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November 30, 2007

Ms. Sheri L. Bianchin
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77 West Jackson Boulevard, SR-6J
Chicago, IL 60604-3590

Re: Draft Revised Expanded Groundwater Monitoring Report
Muskego Sanitary Landfill
Muskego, Wisconsin

Dear Ms. Bianchin:

Attached for your review and consideration please find two (2) copies the document entitled " Revision 1 - Expanded Groundwater Monitoring Report, Muskego Sanitary Landfill" (EGM Report). Copies of the EGM Report have also been sent directly to those parties listed below for their review.

The Muskego Site Groundwater Remediation Group (MSGRG) would like to schedule a meeting in early January 2008 to present the content of the EGM Report to you and the other reviewing parties. Please contact me at your earliest opportunity to discuss scheduling this meeting for a time that is convenient for you. The MSGRG will make itself available as needed to accommodate your schedule.

In the interim, should you have any questions or be in need of any additional information during your review, please do not hesitate to contact me at (262) 532-4025.

Sincerely,
Muskego Site Groundwater Remediation Group

Lawrence Buechel (KJQ)

Lawrence J. Buechel, P.E.
Project Coordinator

Attachment

cc: Jim Delwiche, WDNR (2 copies)
Bob Kay, USGS/USEPA (1 copy)
Paul Rohde, CH2M Hill (1 copy)
Henry Nehls-Lowe, WDHFS (1 copy)
Scott Kloskowski, City of Muskego (1 copy)
Lisa Zebovitz, NG&E/MSGRG (1 copy)
Ken Quinn, RMT (1 copy)

RMT

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Revision 1
Expanded Groundwater Monitoring Report

Muskego Sanitary Landfill

November 2007

Prepared For
Muskego Site Groundwater Remediation Group

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Section 1
Introduction

1.1 Background

This Expanded Groundwater Monitoring (EGM) Report, Revision 1 (Report), presents the results of implementing the Expanded Groundwater Monitoring Work Plan, Revision 3, September 2005 (EGMWP) and subsequent modifications to the EGMWP, as described in Subsection 1.4 of this Report. The EGMWP was submitted initially to the U.S. Environmental Protection Agency (USEPA) and Wisconsin Department of Natural Resources (WDNR) in March 2001. Reviews and responses are summarized in the EGMWP. The EGMWP was approved by USEPA and WDNR in a letter dated September 25, 2005 (included in Appendix A). The EGMWP states that the primary objective of the work is "to confirm groundwater flow direction in the area of the site and to collect additional information on groundwater quality in the area." The site and study area are defined in Subsection 1.2, Site Description.

The scope of work in the September 2005 EGMWP is as follows:

- Install groundwater monitoring wells (MW01, MW01A, MW01B, MW02, MW03, MW04, MW04A, MW05, MW06, and MW07)
- Test the hydraulic conductivity of the new wells
- Survey the new wells
- Collect two rounds of groundwater level measurements, including a response test to pumping City of Muskego Well 7 (CW07)
- Collect and analyze two rounds of groundwater quality samples
- Survey water supply in the area
- Prepare a report (referred to as the December 2006 EGM Report)

The MSGRG conducted additional work as recommended in the December 2006 EGM Report and detailed in the Expanded Groundwater Monitoring Phase 2 Work Plan (RMT, 2007). This work plan was approved via an e-mail from USEPA and discussion between RMT, the MSGRG, and USEPA on April 11, 2007.

The scope of work in the EGM Phase 2 Work Plan is as follows:

- Install groundwater monitoring wells (MW07S, MW08A, MW09, MW10, MW10A, MW11A, MW12A, MW13S, MW13A, MW14A, MW15A, MW16A, MW17, and MW17S)

- Test the hydraulic conductivity of the new wells
- Survey the new wells
- Collect two rounds of groundwater level measurements, including a response test to pumping City of Muskego Well 7 (CW07)
- Collect and analyze two rounds of groundwater quality samples
- Survey water supply in the area
- Incorporate the results of these investigations into the December 2006 EGM Report to produce this Report

The MSGRG collected additional groundwater quality data between preparation of the December 2006 EGM Report and September 2007 in addition to those identified in the scope of the two phases of the EGMWP described above. These data were collected and analyzed using the protocol in the EGMWP and its subsequent revisions, and for purposes of completeness, these data are also included in this Report. These data are as follows:

- Monthly sampling results of CW07 and MW03A for volatile organic compounds (VOCs) in August, September, October, November, and December 2006, and February and March 2007 (January 2007 and April 2007 samples were included in the quarterly program described below, and June and July 2007 samples were included in the Phase 2 sampling).
- Quarterly sampling results of EGMWP wells (MW01, MW01A, MW01B, MW02, MW03, MW04, MW04A, MW05, MW06, and MW07) performed in January and April, 2007, as was recommended in the December 2006 EGM Report (the July round was incorporated in the second round of the Phase 2 sampling).
- Semiannual sampling of private wells (Pries, Davis, Seybold, Henneberry, and Schmidt) in December 2006 (with a re-sample of two wells in February 2007).
- Sampling of selected monitoring wells and private wells on June 8, June 15, and June 18.

Additional data collected by the USEPA during this same period included sampling of select private wells and monitoring wells in the vicinity of the site in June 2006 and June/July 2007. A compilation of those data are included in Appendix B with their data validation. The results of USEPA 2006 data validation showed that much of the data was qualified or rejected.

1.2 Description of Study Area

The study area of the Expanded Groundwater Monitoring Work Plan (EGMWP) field investigation includes the Muskego Sanitary Landfill (MSL), as well as areas that extend from the MSL east to Woods Road (approximately 4,200 feet), south to Henneberry Road (approximately 5,500 feet), and west to MW13A (approximately 1,300 feet) (see Figure 1). The

MSL is composed of several different areas, as described in the Consent Decree (USEPA, 1987), the Remedial Investigation/Feasibility Study (RI/FS) (Warzyn, 1992), the 1992 Source Control Operable Unit Record of Decision (SCOU ROD), and the 1995 Groundwater Operable Unit ROD (GWOU ROD). These MSL areas, covering approximately 60 acres, are shown on Figure 1 and include the Old Fill Area (OFA), the Southeast Fill Area (SEFA), the Noncontiguous Fill Area (NCFA), and the former rendering plant seepage lagoons. The August 1992 RI/FS (Warzyn, 1992) provides a more detailed description of each area.

The property on which the MSL is located is bounded on the south by Janesville Road. Janesville Road is also referred to as County Highway L and formerly referred to as State Trunk Highway 24 and, prior to that, as County Highway A. The MSL is bordered on the west by Crowbar Drive (Figure 1) and to the north by Stone Ridge Landfill. Private property (residential and agricultural) exists to the north of Stone Ridge Landfill, and south and east of the landfill property. Land to the west of Crowbar Drive is used primarily for sand and gravel excavation, processing of the sand and gravel, and a portable asphalt plant.

The survey of the source and use of groundwater and/or surface water was conducted within an area south and east of the MSL measured radially from the waste limits for a distance of approximately 5,500 feet. This is equal to the approximate distance between the MSL and Henneberry Road to the south.

The area east of the site is in the east half of Section 18, and the west half of Section 17, Township 5 North, Range 20 East, in Waukesha County. The area south of the site is primarily in the south half of Section 19, Township 5 North, Range 20 East, in Waukesha County. The area west of the site is located in the northeast corner of Section 24, and the southeast corner of Section 13, Township 5 North Range 19 East in Waukesha County.

1.3 Objectives and Scope

The MSL is on the National Priorities List (NPL), and source control and groundwater remedial actions have been completed in accordance with the above-mentioned RODs. The groundwater extraction system was designed and installed according to the GWOU ROD, which stated that it would be installed in the vicinity of the Non-Contiguous Fill Area and the design modified based on the pilot test. The primary change made based on the pilot test to the ROD contemplated system was that discharge of the extracted water is to the POTW vs. on-site treatment. The ISVE system is still in review[1]. A monitoring program is in place to monitor the effectiveness of the remedial action systems implemented at the MSL.

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[1] A pilot study for the ISVE system was completed by MSGRG, and the pilot study report was reviewed by USEPA. The MSGRG provided responses to the USEPA on their review comments from that report. Implementation of a full-scale ISVE is under discussion between USEPA and MSGRG.

USEPA requested that the Muskego Site Groundwater Remediation Group (MSGRG) submit a workplan for the purpose of satisfying an "observed need for additional information both south and east of the site." A draft Expanded Groundwater Monitoring Work Plan (EGMWP) was submitted to USEPA and WDNR in February 2001, and was subsequently revised based on a series of USEPA comments and MSGRG responses. The EGMWP and Quality Assurance Project Plan (QAPP) was approved by USEPA and WDNR in September 2005, and states that the objectives for monitoring groundwater outside of the MSL are to confirm the groundwater flow direction in the area of the MSL and to collect information on groundwater quality in the area. Additional work was proposed by the MSGRG in the recommendations of the December 2006 EGM Report. Plans for performing this work were submitted to the USEPA for review as the Expanded Groundwater Monitoring Phase 2 Work Plan (RMT, 2007). This document was approved on April 11, 2007 (see e-mail approving this work in Appendix A).

The scopes of work for both phases of the EGMWP are described in Subsection 1.1 of this Report.

This Report summarizes the findings from implementing the 2005/2006 and the 2007 EGMWP activities, as well as additional data collected by the MSGRG and USEPA (as described in Subsection 1.1). This Report also makes recommendations for potential future actions to be taken in the vicinity of the MSL.

1.4 Conformance to EGMWP and QAPP

The Phase 1 work was completed in accordance with the EGMWP and QAPP, dated September 2005 and subsequent revisions in 2005 and 2006. The Phase 2 work was also completed in accordance with the EGM Phase 2 Work Plan and QAPP Addendum, dated April 2007. Minor variances from these work plans are noted below.

As previously communicated to USEPA and WDNR, some adjustments to the EGMWP and QAPP were made in the field based on conditions encountered. These adjustments were discussed with USEPA's on-site representative and, if required, by USEPA's on-site representative, a written modification was submitted to USEPA and WDNR for review and approval prior to implementing the specified modification.

Drilling plans at MW02 were modified from those planned in the EGMWP. This modification was approved by USEPA in an e-mail dated March 8, 2006 (Appendix A). The well at MW02 encountered Oak Creek Till from the surface to a depth of 73 feet below ground surface (bgs), and was installed in 20 feet of sand and gravel overlying the New Berlin Till. Meetings on November 28, 2005, and on March 1, 2006, with USEPA were held to discuss whether an additional well was needed at the MW02 location. USEPA determined that the additional well

was not required at that time because the location "is upgradient to side-gradient and, therefore, will not provide information regarding the pathway of concern. In addition, the deeper well is not necessary in terms of monitoring the aquifer zone of concern where contaminants may potentially migrate to downgradient wells." (See March 8, 2006, USEPA e-mail attached as Appendix A.)

In the second round of groundwater quality sampling, two activities were completed differently than planned in the EGMWP. It was specified that unfiltered samples be collected for metals analysis as outlined in the EGMWP and QAPP. Because of the inability in the first round of sampling to obtain sediment-free samples in wells that were installed in fine-grained soil, samples were also collected at two wells (MW01 and MW03A) using field in-line filtering to evaluate the possible effects of suspended sediment on the analytical results. USEPA consented to and acknowledged the change in a June 29, 2006, e-mail (see Appendix A). Therefore, one sample with high solids and one with low solids were filtered to illustrate the differences in character, and evaluate the effects of the sediment.

In the second round of groundwater sampling in 2006 (June 29, 2006), the VOC sample from CW07 was not analyzed because the laboratory exceeded the allowable hold time. However, monthly sampling and analysis of wells CW07 and MW03A has been conducted according to the methods specified in the EGMWP and analyzed using Method 8260B for VOCs. Therefore, the results of monthly sampling (collected June 14, 2006) were used in place of the second EGMWP sample.

Two response tests to pumping CW07 were conducted. These tests consisted of pumping well CW07 while monitoring selected wells with pressure transducers and data loggers. During the response test conducted in 2006, there was a break in the monitoring record of these pressure transducers, as is described in Subsection 3.4.5 of this report. The break in the record was due to an unexpected delay in the schedule of the response test without a corresponding change in the programmed startup and shutdown of the data loggers associated with the initial schedule. The situation was identified and remedied. As shown in the response test analysis (Subsection 3.4.6), the response test was not compromised.

The only substantive changes from the Phase 2 EGM Work Plan implemented during the course of the fieldwork in 2007 were as follows:

- Borings and monitoring wells at MW12A and MW16A were not installed due to property owner refusals for access to these properties (owned by the Dyers and Moellers). USEPA was notified of these access limitations.
- A soil sample for TOC was not collected at boring MW14A.

- The July 2007 round of sampling planned to replace the TAL analysis with the major cations (Ca, Mg, Na, and K) and iron and manganese. However, one group of wells (MW09, MW10, MW10A, MW11A, P64C, and E141A) was analyzed for the TAL.
- Some additional sampling and analyses have been performed in addition to that outlined in the EGMWP, including the quarterly and monthly groundwater sampling programs. The field and analytical methods for these activities followed the methods described in the Work Plan and QAPP, where applicable. This additional data are included in this Report.

In addition to the above, USEPA has questioned the field interpretation made on the volume of water to be purged during vertical profiling. Specifically, EPA questioned whether the volume of water purged from the borehole before collection of the first water sample associated with vertical profiling activities was in conformance with the EGMWP. USEPA raised this question in a phone conference call after USEPA received the vertical profiling results for MW11A. The QAPP (page B-5) defines the volume to be purged as follows: "If water is used in the drilling process, the volume of water injected into the aquifer between each sampling event must be recorded and at least three times that volume of water must be purged prior to sampling." RMT has implemented this portion of the QAPP by purging three times the volume of water used while drilling through the interval to be sampled (i.e., between sampling events). USEPA interpreted the meaning of this QAPP text to be that, for the first sample collected, three times the volume of all water lost between the surface and the first sample would be removed. However, the intent of the purging is to allow for collection of a sample representative of the groundwater in the sampled interval, rather than the water used while drilling through this interval. The following discussion presents information relative to select tracer VOCs present in the raw drilling water versus investigative samples to demonstrate that samples collected during drilling are representative of the groundwater within the target zone.

Since the water lost during drilling is from the municipal supply, it contains trihalomethanes due to chlorination of the water. These trihalomethanes were detected and reported in both the tank water (upon filling and in a sample from a day after filling) and in samples collected during drilling. However, as shown in Appendix C Field Procedures, the trihalomethanes observed after purging were significantly lower than the drilling water, indicating that the water was representative of the interval being sampled. Therefore, the intent of the Work Plan and QAPP was met.

Section 2
Regional Geologic and Hydrogeologic Information

2.1 Regional Geology

2.1.1 Topography

The study area is located within the Fox River watershed just south of a topographic high formed by an east-west–trending glacial end moraine. The maximum elevation in the study area, approximately 940 feet above mean sea level (A.M.S.L.), occurs on this east-west–trending end moraine about 2,500 feet north of Janesville Road. The land surface generally slopes downward from this end moraine to the south-southeast. The base of the slope, which occurs about 1,000 feet south of Janesville Road, is at an elevation of approximately 600 feet A.M.S.L. From this location, toward the southwestern corner of the study area, the topography begins to rise again.

2.1.2 Surface Water

Surface water runoff from the MSL discharges either to a ditch south of the MSL along a utility corridor south of the site, or to the southeast through a swale along the east side of the MSL. Both the features eventually discharge to a small wetland north of Janesville Road. This small wetland discharges to a larger wetland south of Janesville Road and continues southeast. Ultimately, drainage discharges to Big Muskego Lake. The closest intermittent stream is located approximately 3/4 mile to the southeast, near Hillendale Drive.

Surface water in areas south/southeast of the MSL is directed to swales and ditches that carry water away from the area. A review of the WDNR's WebView Web site (http://dnr.wi.gov/maps/gis/appwebview.html) revealed three types of wetlands within 1 mile of the MSL. These wetlands occur primarily to the south-southeast near Hillendale Drive and consist of Emergent-Wet Meadow, Lowland Shrub, and Forested Wetlands.

Storm sewers control surface water drainage in the recently developed subdivisions covering much of the area between the MSL and CW07.

The RI report (Warzyn, 1992) as reflected in the USEPA SCOU ROD (USEPA, 1992) did not identify surface water as a media of concern; therefore, no routine sampling of surface water was conducted. However, some surface water samples have been collected and analyzed as described in Subsection 3.8.

2.1.3 Bedrock

The bedrock directly underlying the glacial sediment in the southeastern portion of Waukesha County consists of Silurian Dolomite (Gonthier, 1975). The rock is generally massive, but can contain fractures and solution openings. This unit is generally around 100 feet thick. The Troy Valley (pre-glacial bedrock valley) is located within the study area. This valley is clearly mapped in the Wisconsin Geological and Natural History Survey (WGNHS) report. Figure 2 shows a portion of the WGNHS map in the study area. The data used to produce this WGNHS publication map are not shown in the publication, so the source of particular contour line shapes is not known. Figure 2 shows part of the southern limb of the bedrock valley as being present south of Janesville Road (review of the complete map in the 1975 report clearly indicates that the slope between elevation 600 and 700 ft A.M.S.L. shown on Figure 2 is the southern limb of the Troy Bedrock Valley). Although the southern limb of the bedrock valley will be shown to be slightly different using locally collected data, the WGNHS bedrock map is reasonably accurate, given that it is a regional map. For example, it shows that the bottom of the bedrock valley is below elevation 600 ft A.M.S.L. and above elevation 500 ft A.M.S.L. Locally collected information shows it to be approximately elevation 550 ft A.M.S.L.

2.1.4 Glacial Geology

The glacial sediment in Waukesha County ranges from 0-460 feet thick, the thickest sediment being located in the southern portion of the county (Clayton, 2001). The glacial geology in the southeastern corner of Waukesha County can be separated into three main periods of deposition. The first period began approximately 20,000 years ago during a glacial period with the advance of the Lake Michigan Lobe from the northeast. The advance of this glacier deposited the New Berlin Member of the Holy Hill Formation. The New Berlin Member consists of both a yellowish-brown to a gray sandy till, and associated lake and stream deposits. The New Berlin Till contains 35-75% sand, 20-55% silt, 5-25% clay, and several percent gravel (Clayton, 2001).

Around 15,000 years ago, the glacier began to retreat, leaving behind sandy gravel outwash, forming deposits that are now quarried in parts of the county. This is known as the Milwaukee Phase of the Lake Michigan Lobe. The glacier is thought to have completely retreated from the county approximately 500 years after it began its retreat.

The final period of glacial activity consists of the return of the Lake Michigan Lobe about 14,200 years ago from the east, and the deposition of the Oak Creek Till. The Oak Creek Till is generally finer grained than the New Berlin Till. It consists of less than 20% sand, 45-70% silt, 20-45% clay, and a few percent gravel, and is generally gray to dark gray. The terminal moraine (*i.e.*, the furthest extent of till deposits) of the Oak Creek Till is shown on Figure B-20 of the RI Report to trend from northeast to southwest generally through the MSL (Warzyn, 1992). This is consistent with the findings in this report (see Figure 14).

2.2 Regional Hydrogeology Information

Three main groundwater systems are in use in the southeastern portion of Waukesha County: the surficial sand and gravel deposits filling bedrock valleys; the Niagara Dolomite, which forms the bulk of the Silurian Dolomite Aquifer; and the underlying sandstone aquifer. Both the Silurian Dolomite and the sand and gravel aquifers commonly produce in excess of 50 gallons per minute, and the sandstone aquifer can produce greater than 1,000 gallons per minute (Gonthier, 1975).

A regional groundwater contour map (Figure 3) displays a southwest-northeast–oriented groundwater divide (i.e., a high in the groundwater elevation, with groundwater flow not crossing that line) located approximately 9,000 feet northwest of the MSL in the general vicinity of I43. Groundwater flow directions are perpendicular to the contours on Figure 3. In general, groundwater from the divide flows toward the southeast and then divides between southwesterly flow toward the Fox River and, easterly-southeasterly toward Big Muskego Lake.

The regional groundwater contour map (Figure 3) shows that groundwater flow in the study area is generally toward the east. Regional groundwater flow is shown to converge toward a narrow zone in the vicinity of, and southeast of, the intersection between Janesville Road and Hillendale Drive. This zone is also observed to be just north of the southern limb of the bedrock valley shown on Figure 2. Therefore, it appears that the convergence of groundwater flow in this area may be related to the presence of the southern limb of the bedrock valley in this area.

The regional groundwater contour map indicates that groundwater elevations in some areas south of the MSL are above ground surface. The presence of the thick, very low–hydraulic conductivity Oak Creek Till in this area provides a thick confining layer over the shallow aquifer being mapped by Figure 3. While this is considered an "artesian" aquifer,[2] the presence of the very low–hydraulic conductivity Oak Creek Till prevents significant upward flow. As such, natural manifestations of this aquifer at the ground surface are very unlikely.

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[2] The popular definition of artesian aquifer is an aquifer with its groundwater head above ground surface. The technical definition is an aquifer that has its groundwater head above the top of the aquifer.

Section 3
Study Area Geology and Hydrogeology

3.1 Introduction

The primary objectives for monitoring groundwater in this study area are to confirm groundwater flow direction in the study area and to collect additional information on groundwater quality in the area.

The Phase 1 field investigation began on October 25, 2005, with 11 monitoring wells being installed at seven locations: MW01, MW01A, MW01B, MW02, MW03, MW03A, MW04, MW04A, MW05, MW06, and MW07. USEPA oversight was provided by CH2MHill (USEPA's oversight contractor) throughout the entire installation process. Well installation was completed on March 28, 2006. Following installation, wells were developed, tested for hydraulic conductivities, and sampled for the following parameters: volatile organic compounds (VOCs); the Target Analyte List (TAL) compounds, nitrate-nitrogen, ammonia-nitrogen, and total Kjeldahl nitrogen (TKN); indicator parameters, alkalinity, chloride, and sulfate; total organic carbon (TOC); and field parameters, pH, conductivity, dissolved oxygen, and redox. Field methods for borings, well installation, well development, soil sampling, water sampling, and hydraulic conductivity testing were included in the EGMWP and associated QAPP (RMT, 2005) and are described in Appendix C.

The Phase 2 field investigation began on April 16, 2007. Twelve (12) monitoring wells were installed at nine locations: MW07S (clustered with MW07), MW08A, MW09, MW10, MW10A, MW11A, MW13S, MW13A, MW14A, MW15A, MW17, and MW17A. USEPA's oversight was provided by CH2MHILL for the entire installation and sampling program. Well installation was completed on May 16, 2007. Wells were developed and tested for hydraulic conductivities prior to being outfitted with dedicated bladder pumps. These monitoring wells were sampled during two events. The samples from the first event (June 2007) were analyzed for the following parameters: volatile organic compounds (VOCs); the Target Analyte List (TAL) compounds, nitrate-nitrogen, ammonia-nitrogen, and total Kjeldahl nitrogen (TKN); indicator parameters, alkalinity, chloride, and sulfate; total organic carbon (TOC); and field parameters pH, conductivity, dissolved oxygen, and redox. The parameters for the second event (July 2007) included all of the above, with the TAL replaced by the following metals: calcium, iron, magnesium, manganese, potassium, and sodium. However, samples from one group of wells (MW09, MW10, MW10A, MW11A, P64C, and E141A) submitted on July 12, 2007, were analyzed for the full TAL due to a field labeling error. Field methods for borings, well installations, well developments, soil sampling, water level measurements, water sampling, and hydraulic

conductivity testing were included in the EGM Phase 2 WP and associated QAPP Addendum (RMT, 2007). Sampling methods implemented are described in Appendix C.

3.2 Study Area Geology

Geology on and adjacent to the MSL is described in detail in the RI Report (Warzyn, 1992). The discussion in this section provides a summary of the geology in the study area, extending the geologic interpretations further east and south from those in the RI based on the results of these investigations. Each of the borings in which the wells were installed was logged according to the Unified Soil Classification System (USCS). The boring logs for the 23 wells listed above are included in Appendix D.

The study area geology is described in cross sections through the area as shown on Figure 4, with Cross Sections A-A' through G-G' shown on Figures 5 through 11. Figure 12 presents a conceptual site model (CSM) or 3-dimensional illustration of the geology in the area. Figure 13 is a bedrock elevation contour map.

3.2.1 Bedrock

The study area is located in an area of thick glacial drift overlying the Niagara dolomite bedrock. The study area is located in the vicinity of a deep bedrock valley that is part of the Troy Valley (USGS Water Supply Paper 1229; SEWRPC, 2002), a portion of which is reproduced in Figure 3. The data used to produce this published map are not shown in the publication, so the source of particular contour line shapes is not known.

The bedrock valley contains some sand and gravel, and is capped by glacial till. This drift-filled valley trends to the east, with a relatively steep bedrock slope rising to the south in the study area.

Bedrock was encountered while drilling at MW03A, MW04A, MW05, MW06, MW11A, MW13A, and MW17A. The surface of the bedrock at each of these locations was observed to be weathered and fractured.

Figure 13 illustrates the bedrock topography within the Study Area, based on data from monitoring wells, and supplemented with local private or municipal well logs. The elevations where bedrock was encountered in borings or reported on available private well logs are shown on Figure 13. The bottom elevations of deep borings or private wells, although not deep enough to encounter bedrock, are posted on Figure 13 (*e.g.*, <547 at MW07) to indicate a maximum possible elevation for bedrock.

Figure 13 illustrates a relatively flat-bottom bedrock valley, consistent with the regional map (Figure 2), which is locally referred to as the Troy Bedrock Valley, trending northwest to southeast, with a steep valley wall to the south. This steep valley wall is shown on Figure 13, for example, between wells MW07 and MW05. This steep valley wall rises from an elevation of less than 547 feet A.M.S.L. at well MW07, and 540.5 feet A.M.S.L. at MW11A, to an elevation of 632.1 feet A.M.S.L. at well MW17A and continues to rise to an elevation of 686 feet at MW05.

The bedrock surface is illustrated in the CSM on Figure 12. The bedrock valley wall described above is shown on Figure 12-9, the block view, between borings MW05 and MW07. Its 3-dimensional view is illustrated on Figure 12-1.

3.2.2 Glacial Deposits

The sequence of glacial deposits is consistent throughout the area, although not all units are present in all areas. From the ground surface to the bedrock, the glacial deposits consist of the following units:

- Oak Creek Till, upper zone.
- Upper Sand Unit. This unit is named so, because it is shown as a potential migration pathway in certain identified portions of the study area described in this Report and is above the Lower Sand Unit.
- Oak Creek Till, lower zone.
- Lower Sand Unit. This unit is named so, because it is shown as a potential migration pathway in identified portions of the study area described in this Report. This unit is below the Upper Sand Unit.
- Crowbar Oak Creek. This unit is a thin silty clay and silt unit, less than 15 ft thick, located only in the southwest side of the study area that separates the Crowbar Sand from the Upper Sand Unit in a small part of the Study area.
- Crowbar Sand. This sand unit is separated from the Lower Sand Unit by the Crowbar Oak Creek only in the southwest part of the study area.
- New Berlin Till.
- Bedrock.

The oldest glacial deposit in the area is shown to be the New Berlin Till. The New Berlin Till consists of a very dense, gray, silty sand till, with little (15-25 percent) gravel (Warzyn, 1992). The New Berlin Till is present at the bottom of the bedrock valley at borings MW07, MW01B, MW10A, MW11A and the Seybold well. The top of the New Berlin Till is shown to be at the lowest elevations at MW11A and MW07 and rises

steeply to the north. This is shown at boring BH12 on the MSL (see Cross Section B-B' on Figure 6 and Cross Section G-G on Figure 11) and borings MW02 and MW08A located east of the MSL (see both wells on Cross Section D-D' on Figure 8 and well MW02 on Figure 12-8 of the CSM).

Cross Section A-A' (Figure 5) shows the North Valley Wall between borings MW01B and MW03A. The top of the New Berlin Till is shown as a dashed line west of boring MW01B because that surface is extrapolated for a short distance to the west of this boring. Data at P64C and other borings to the west indicate that the top of the New Berlin Till does not rise significantly, west of MW01B. Therefore, the top of the New Berlin Till is shown as a dashed line.

South of MW07, the New Berlin Till does not appear to be present on the steep bedrock slope near MW17A and up to MW05, although it is present again south of there at MW06 and to the southwest at MW14A.

The thick sequence of New Berlin Till north of the MSL forms an east-west–trending end moraine. This is illustrated on Cross Section B-B' (Figure 6) and the CSM (see Figure 12-8). At the base of boring E102A, there is shown to be sand and gravel (see Cross Section B-B' on Figure 6). However, due to the continuity of the New Berlin till in the vicinity of the MSL, the continuity of this sand unit has no impact on this study. The bedrock is understood to be present at a few feet below the bottom of borings MW01B and MW07 based on nearby bedrock elevations and the flat bottom of the bedrock valley at approximately elevation 550 ft A.M.S.L. Therefore, a significant glacial deposit is not considered to be present beneath the New Berlin Till at these locations.

The topography of the study area after deposition of the New Berlin Till and prior to deposition of the Lower Sand Unit consists of a steep-sided valley, centered approximately at MW07. The valley extends between the steep bedrock slope (*i.e.*, the south wall of the Troy Bedrock Valley) south of boring MW07 and the rise in the New Berlin Till north of boring MW07 (see Cross Sections B-B' and C-C'). This valley is oriented along the toe of the steep bedrock slope to the south of boring MW07. This valley could be depositional or erosional.

Overlying the New Berlin Till is the Lower Sand Unit. This unit was deposited by outwash from the New Berlin ice and by erosion of the New Berlin Till, and during the advance of the ice that subsequently deposited the Oak Creek Till. Therefore, the first advance of the Oak Creek ice into this area occurred into the valley formed by the slope on top of the New Berlin Till, outwash, or colluvium on the north and the steep bedrock slope on the south. As the ice advanced, more outwash was probably added to the

Lower Sand Unit, between the New Berlin Till and the subsequently deposited Oak Creek Till.

As mentioned above, following deposition of the New Berlin Till and associated outwash (*i.e.*, the lowest portion of the Lower Sand Unit), a glacial advance occurred out of the Lake Michigan basin depositing a till consisting primarily of silty clay. This silty clay glacial till is the Oak Creek Till (See Figures 5-11 and Figure 12). The terminal moraine for the Oak Creek Till extends through the MSL and is defined by the approximate extent of the Oak Creek Till located below the Old Fill Area (OFA) of the Muskego Sanitary Landfill (shown on Figure 14). The Oak Creek Till overlies the outwash from the earlier glacial advances, but also directly overlies the New Berlin Till in places.

The Oak Creek Till is a gray silty clay, with little (generally less than 22%) sand, and is classified as a lean clay (CL) under the Unified Soil Classification System. This unit is present at the surface south and east of the MSL. The Oak Creek Till increases in thickness from its western edge under the OFA, up to 86 feet thick at the eastern edge of the MSL (see Figure 5) to approximately 270 feet thick at the location of MW03A, and approximately 240 feet thick to the southeast at MW11A. The Oak Creek Till also increases to an approximate thickness of 220 feet to the south of the MSL (see well MW07 boring on Figure 6) and then thins again further south (see MW06 well boring on Figure 6).

At times during deposition of the Oak Creek Till, some sand units, contiguous with the Lower Sand Unit, would interfinger into the edge of the Oak Creek Till. Interfingering of sand units into the edge of a till is due to small variations through time in the extent of ice on the margins of the glacier. For example, at boring MW01B (see Cross Section C-C' on Figure 7), the first sand unit above the New Berlin Till (from elevation 660 to 670 feet A.M.S.L.) is considered part of the Lower Sand Unit, and likely would be contiguous with the Lower Sand Unit at MW07. However, the two sand units near elevation 700 feet A.M.S.L. are considered to be contiguous with the Lower Sand Unit to the north, toward MW02, but are considered to terminate a short distance to the south of the MW01 location. These two sand units near elevation 700 feet A.M.S.L. represent interfingering into the Oak Creek Till from the north and do not extend a significant distance into the Oak Creek Till toward the south.

Similar to the interfingered sand at boring MW01B, the thin sand unit within the Oak Creek Till at the screen elevation of well MW03A (see Cross Section A-A' on Figure 5) may be contiguous with the Lower Sand Unit that is deposited directly below the bottom of the Oak Creek Till. Although no New Berlin Till or thick sequence of the

Lower Sand Unit is present at boring MW03A, it is interpreted that the New Berlin Till and Lower Sand Unit are present a short distance to the north of this location, and the New Berlin Till would rise steeply to the north, similar to the depiction shown in Cross Section D-D′ on Figure 8, although the Lower Sand Unit would not likely be present there on this steep slope. The interfingered sands into the Oak Creek Till are important to keep in mind with respect to groundwater levels and water quality at well MW03A, as described in subsequent sections of this Report.

The second advance of the glacial ice formation of Lake Michigan filled the valley with the silty clay till of the Oak Creek Till, beginning deposition directly on top of bedrock in the vicinity of boring MW03A and MW17A, where no Lower Sand or New Berlin Till are present, or on top of the New Berlin Till or Lower Sand Unit, where those units were present (*e.g.*, on top of the Lower Sand Unit at well CW07).

When the Oak Creek Till filled the valley to the current elevation of the bottom of the Upper Sand Unit, an apparent opening formed in the ice on the northern side of the valley. This could be the result of a small retreat of the ice or erosion of the ice by meltwater runoff from the glacier toward the ice margin to the west, which allowed deposition of the Upper Sand Unit over a limited area on the northern side of the valley. The east-west extent of the Upper Sand Unit is shown on Cross Section A-A′. The Upper Sand Unit is continuous from west to east along Cross Section A-A', and at a nearly horizontal position between borings County Park 1 and MW09 in the east and P64C in the west. Where Cross Section A-A′ bends to the north, the Upper Sand Unit is shown to parallel the slope of the valley wall formed by the underlying New Berlin Till, and rises to the north.

Cross Sections B-B′ and C-C′ (Figures 6 and 7) show the north-south extent of the Upper Sand Unit. These sections show that the Upper Sand Unit does not extend south from borings MW01B or E134B to borings MW07 and MW07S. Since the Upper Sand Unit was probably deposited during a small retreat in the ice margin or after erosion of the ice by meltwater, ice was likely present on the southern side of the valley, preventing deposition of the Upper Sand Unit to the south. Therefore, the Upper Sand Unit is not present as even discontinuous sand units very far south of where it was shown to be present at borings MW01B and E134B.

The CSM illustrates the 3-dimensional view of the Upper Sand Unit on Figures 12-2 and 12-6. Figure 12-6, the view from the southwest to northeast, shows how the Upper Sand Unit is separated from the Lower Sand Unit where the Upper Oak Creek is present. Figures 12-8 and 12-9 show that the Upper Sand is present from MW01B to the east but shows that it is limited to the south.

Following deposition of the Upper Sand Unit, the Oak Creek ice appears to have advanced to the terminal moraine (as shown on Figure 14), depositing the upper layer of the Oak Creek Till in the process (i.e., the Upper Oak Creek shown on Figure 12). After deposition of the Upper Oak Creek, the ice then receded completely from the area. The geologic conditions remaining from this relatively complex set of conditions are as follows:

- A relatively continuous Lower Sand Unit was deposited in the base and along the walls of the valley after deposition of the New Berlin Till, and prior to, or during deposition of the Oak Creek Till.
- Deposition of the Upper Sand Unit occurred during a partial retreat or erosion of the ice from the northern portion of the valley, with ice occupying the area south of the extent of the Upper Sand shown as a dotted line on Figure 14, preventing deposition of the Upper Sand Unit further to the south. This extent of the Upper Sand Unit is also shown on the potentiometric and water quality maps for the Upper Sand Unit (Figures 15, 16, and 25).
- Deposition of the Upper Sand Unit occurred directly on top of the Oak Creek Till in places and on top of the Lower Sand Unit along the valley walls where no Oak Creek Till was present between the two sand units.

The result of this deposition is shown as an Oak Creek Formation Geologic Map (see Figure 14). This map illustrates several zones, as follows:

- The area in the west, beyond the Oak Creek terminal moraine, where no Oak Creek Till was deposited and only outwash from the New Berlin ice or Oak Creek ice is present (olive green color on Figure 14)
- The area where there is no Upper Sand or no distinction between the Upper and Lower Sand Units (colored light brown on Figure 14)
- The area where the Upper Sand is present and there is a distinct separation of the Upper Sand Unit and the Lower Sand Unit (colored light green on Figure 14)

Grain-size analyses were completed on several samples as summarized in Table 1, to examine compositional differences of the various till units. The laboratory reports for these analyses are included in Appendix E. A comparison was made of the till units above and below the Upper Sand Unit at the MW03 location, and above and below the Lower Sand Unit at MW07. Laboratory analyses show that the Oak Creek Till above the Upper Sand Unit is 99.1% silt and clay. Below the Upper Sand Unit at boring MW03, the silt and clay content is reduced to 42.9%. Results above and below the Lower Sand Unit in MW07 show that the silt and clay content above the sand unit is 99.2%, and below is 51.8%.

The Crowbar Oak Creek and Crowbar Sand are of limited horizontal extent as shown on the CSM (Figure 12). The Crowbar Sand at MW04A is very fine and silty, and does not appear to be similar to any other unit observed in the study area.

Sand seams were encountered beneath the Oak Creek Till in MW04A, and in the New Berlin Till (MW01B) and Oak Creek Till (MW07S, MW11A, and MW17). At MW01B, the sand within the New Berlin Till is thin and appears to be isolated from the other sand units in the study area. In general, no distinction in the percent silt and clay is observed between the Upper and Lower Sand Units. However, the isolated sand seams (e.g., at MW07S, MW11A, and MW17) contain significantly higher percentages of silt and clay (16% to 49%) than either the Upper Sand Unit (4.6% to 15%) or the Lower Sand Unit (2.3% to 15%). These very different grain sizes indicate that the isolated sand seams were deposited by different geologic processes than the Upper and Lower Sand Units, so they are likely not connected.

3.3 Soil Total Organic Carbon Results

At each of the 15 boring locations advanced between 2005 and 2007, soil samples were planned to be collected for total organic carbon (TOC) analysis. These soil samples were collected from the screened intervals of each well, except MW03A, MW04A, and MW14A. Soil samples were not collected at MW03A and MW04A because no target units (defined as 3 feet thick in the EGMWP) were encountered below the Upper Sand Unit. Once the end of the borehole was reached at each of these two locations (encountered bedrock), a well was set in the most permeable soil available. Although a sample was not collected at MW14A, it is not expected to significantly increase the average TOC.

The results of the TOC analysis are included in Table 2, and laboratory sheets are provided in Appendix F. The concentrations of TOC ranged from no detect (<54 mg/kg to <63 mg/kg) in several wells to 4,580 mg/kg in MW03. This information indicates that from <0.005 percent to 0.5 percent of the soil is organic carbon. This is relatively low TOC.

3.4 Study Area Hydrogeology

In order to assess local groundwater flow directions and to collect additional information on the concentrations and distribution of potential constituents of concern, a total of 23 monitoring wells were installed at 15 locations in the study area during the two phases of work. Based upon previous investigations, wells were planned to monitor flow directions and water quality in the Upper and the Lower Sand units. Wells MW02 , MW04, MW13S, MW13A, MW14A, and MW15A were installed in the sand and gravel, where no separation between the Upper and the Lower Sand Units is present. Wells MW01, MW03, MW09 and MW10 were screened in the

Upper Sand Unit east of the MSL. Wells MW01A, MW05, MW06, MW07, MW08A, and MW10A were screened in the Lower Sand Unit. MW17A was screened at the base of the Oak Creek Till and in the top of the bedrock, in the stratigraphic position of the Lower Sand Unit. Wells MW01B , MW04A, MW07S, MW11A, and MW17 were screened in sand seams that are believed to be isolated from the two sand units. Well MW03A is shown by the response test to be poorly connected to the Lower Sand Unit. A list of the wells installed and sampled for both phases of the EGMWP is provided in Table 3, along with their respective screened interval elevations and corresponding interpreted geologic units.

Pursuant to the EGMWP, groundwater elevation measurements were taken on May 26, and June 26, 2006, prior to sampling the monitoring wells and independently on May 5, 2006 (see data in Table 4), from all of the Phase 1 monitoring wells. Groundwater elevation measurements in 2007 were taken on May 15, June 4, June 8, June 15, and July 6, 2007. Records of the pumping schedule for CW07 prior to the water level measurements are included in Appendix G. Access to County Park Well 2 was approved by Waukesha County after completion of the first round of measurements, but prior to the second round of water level measurements in late June 2006. Therefore, this point was included in only the second round of measurements in 2006.

Potentiometric surface maps were prepared for two units, the Upper Sand Unit and the Lower Sand Unit, for four sampling rounds. Based on the geologic unit in which each well is screened, their respective water elevation was used to map either the Upper or Lower Sand Unit potentiometric surfaces. For wells located in the sand where no separation of the Upper and Lower Sand Units exists, the elevations were used for both maps.

Potentiometric surface maps were prepared for the Upper Sand Unit and the Lower Sand Unit, using the measurements taken on May 26, 2006; June 26, 2006; June 15, 2007; and July 6, 2007. Maps for the 2007 dates are included on Figures 15 through 18. Maps for the 2006 data, although very similar to the 2007 maps, do not contain data from wells installed in 2007, so they are included in Appendix G as supplemental information.

The GWOU ROD described the groundwater flow within the area studied by the Remedial Investigation. The groundwater flow conditions described in the following subsections of this Report are consistent with that described in the area of the GWOU ROD The following discussion focuses on the rest of the study area, as described in Subsection 1.2 of this report.

3.4.1 Upper Sand Unit Potentiometric Maps

Figures 15 and 16 illustrate the potentiometric surface of the Upper Sand Unit. The groundwater upgradient of the MSL (*i.e.*, north of the NCFA and OFA) has a radial flow

to the south from the high point at well E98. The flow is somewhat complex, so groundwater flow lines have been added to Figures 15 and 16 to describe the flow directions.

Groundwater in the Upper Sand Unit cannot migrate south of the extent of the Upper Sand Unit, as shown on Figure 14, because the Upper Sand Unit terminates and this flow does not occur through the very low-permeability silty clay till of the Oak Creek Till. Therefore, as shown by the groundwater flow lines on Figures 15 and 16, there is a divide in groundwater flow between the western flow line, which goes to the southwest, and the eastern flow lines. Flow to the west is into the thicker sand unit in that area (*e.g.*, see MW13A on Cross Section A-A′ on Figure 5). Flow to the east appears to parallel the southern edge of the Upper Sand Unit, with flow taking the path of least resistance, in the Upper Sand Unit.

Horizontal gradients in the upper sand unit were calculated between E104 and MW01, and E48 and E141A for the June 15, 2007, measurements. The horizontal gradient between E104 and MW01 was 0.0007 for both the June 15 and July 6, 2007, rounds. The gradient between E48 and E141A was 0.001 for both the June 15, and the July 6, 2007, rounds.

3.4.2 Lower Sand Unit Hydrostratigraphic and Potentiometric Maps

Figures 17 and 18 illustrate both the hydrostratigraphic map for the Lower Sand Unit and the potentiometric map for the Lower Sand Unit. The colored zones on these maps illustrate the different geologic zones of the Lower Sand Unit, in combination with the groundwater gradients in the Lower Sand Unit, to present a hydrostratigraphic map. The value of the hydrostratigraphic map is to describe the various conditions at the site.

The central feature of the Lower Sand Unit hydrostratigraphic map (Figures 17 and 18) is the Valley Bottom. The Valley Bottom is the lowest position of the Lower Sand Unit in the Study Area. Its boundary is illustrated on Cross Section C-C′ (Figure 7). The south boundary is formed by the bedrock slope to the south (*i.e.*, between wells MW07 and MW17A). A delineation for the Valley Bottom at Cross Section C-C′ is where the top of the sand in the bottom of the valley at well MW07 (approximately elevation 580 feet A.M.S.L.) intersects the top of bedrock to the south and the top of the New Berlin Till to the north. This was modified from the December 2006 EGM Report based on the soil encountered at MW17A.

Extending the Valley Bottom shown on Cross Section C-C′ to the east (*i.e.*, east of Hillendale Drive on Figures 17 and 18), the valley would extend to where the elevation

of the top of the sand at MW07 (approximately elevation 580 feet M.S.L.) intersects the bedrock elevation on the south. Therefore, the southern boundary of the Valley Bottom on Figures 17 and 18, east of Hillendale Drive, follows the 580 feet M.S.L. bedrock contour line (see Figure 13 for reference). Please note, the 580-foot A.M.S.L. contour line is not shown on Figure 13 because the 570-foot and 590-foot contour lines are so close together. If shown, the 580-foot contour line would generally be parallel to and halfway between the 590-foot and 570-foot contour lines.

The northern boundary of the Valley Bottom east of Hillendale Drive would extend where the elevation of the top of the sand at MW07 (approximately elevation 580 feet M.S.L.) contacts the New Berlin Till. The northern boundary of the Valley Bottom is illustrated on Figures 17 and 18 and is based on the top of New Berlin Till shown on Cross Sections A-A′ (Figure 5) and D-D′ (Figure 8).

Figures 17 and 18 illustrate that the Valley Bottom widens out east of Hillendale Drive. However, the Lower Sand Unit is not present everywhere within this area. In particular, the Lower Sand Unit (*i.e.*, the sand unit present below the Oak Creek Till) is shown to be absent at borings MW11A, and MW17A, and very thin at MW03A. The water levels for MW03A are shown on the Lower Sand Unit potentiometric maps because, even though the sand unit is very thin, and poorly connected to the rest of the Lower Sand Unit, the head provides additional data in that area.

The water levels for MW17A are shown on the Lower Sand Unit potentiometric maps because the well is screened in the stratigraphic position of the Lower Sand Unit (*i.e.*, below the Oak Creek Till) and the upper bedrock appears to provide hydraulic continuity in the area of MW17A where the Lower Sand Unit is not present along the steep bedrock slope.

The Lower Sand Unit in the Valley Bottom along Cross Section B-B′ is relatively thin and even absent in places. Its thickness is limited by the very thick overlying Oak Creek Till. The base of the Oak Creek Till rises sharply to the west (see Cross Section A-A′, Figure 5 and the CSM on Figure 12). Therefore, the thin Lower Sand Unit at Hillendale Drive (see Cross Section B-B′) becomes much thicker west of Hillendale Drive. Although the Valley Bottom is less well defined, it is mapped as the bottom 20 feet (similar to the thickness at boring MW07) of the Lower Sand. The northern and southern boundaries of the Valley Bottom are again based on the mapped bedrock elevation (see Figure 13) and the top of the New Berlin Till projected from its slope from borings north of this area.

The position where the thickness of the Lower Sand Unit transitions from thin (*i.e.*, 20 feet at boring MW07) to the much thicker sand west of MW07 is shown on the hydrostratigraphic map as the "East Valley Bottom" transitioning to the "West Valley Bottom." The position of this line is supported by the boring logs for PZ-Stagecoach and PZ-Moeller (see boring logs in Appendix N). The key difference in these zones is that the Lower Sand Unit in the East Valley Bottom is thin (*e.g.*, 20 feet at MW07) and is overlain by silty clay of the Oak Creek Till. In the area of the West Valley Bottom, the Lower Sand Unit within the bottom 20 feet of the Valley Bottom is overlain by more Lower Sand Unit. So, while there is still a valley formed by the bedrock slope to the south and the New Berlin Till to the north, the Valley Bottom is mapped using the thickness of sand at MW07 (20 feet).

The southern boundary of the Valley Bottom is formed by the bedrock slope, up to the south. Therefore, the hydrostratigraphic unit to the south is referred to as the South Valley Wall. Similarly, the northern boundary of the Valley Bottom is formed by the slope in the New Berlin Till to the north, so the hydrostratigraphic unit to the north is referred to as the North Valley Wall. The Lower Sand Unit was interpreted as being present along the South Valley Wall in the December 2006 EGM Report. However, boring MW17A illustrates that the Lower Sand Unit is not present at that location on the South Valley Wall where the bedrock slope is relatively steep. The top of the bedrock surface appears to be in hydraulic connection with the Lower Sand Unit, where present, in the vicinity of well MW17A (the contours of the Lower Sand Unit on Figures 17 and 18 are terminated in the area where the Lower Sand Unit is interpreted as not being present). For example, as shown on Cross Section B-B (see Figure 6), just south of well MW07, where the bedrock slopes up toward MW17A, the bedrock and Lower Sand Unit appear to be hydraulically connected. In addition, at MW05, the Lower Sand Unit and the bedrock are in direct connection. Therefore, there appears to be hydraulic continuity in the Lower Sand Unit/upper bedrock zone through the MW17A area.

The hydrostratigraphic unit south of the South Valley Wall is defined as the Southern Plateau on top of the bedrock high shown on the bedrock topographic map (Figure 13). This area is defined south of the top of the steep bedrock slope near boring MW05 (*i.e.*, the 680 feet M.S.L. contour).

The principal feature of the Lower Sand Unit potentiometric surface map is the presence of a groundwater low that extends through the Valley Bottom in a west to east direction through MW07. The "V" in the groundwater contours indicates that flow occurs from both the north and the south into this low in the groundwater elevation. The coincidence of this groundwater low and the Valley Bottom hydrostratigraphic unit is a

textbook example of a migration route for groundwater. The additional flux through this area compared to other areas is exhibited by the increased gradient (*i.e.*, the potentiometric contours are closer together than in other areas).

This groundwater low in the Valley Bottom hydrostratigraphic unit is supported by the regional information (see Figure 3).

The gradient from the majority of the study area, including most of the MSL, is toward the groundwater low in the Valley Bottom.

The gradient on the eastern portion of the MSL is toward the east between wells E104 and MW01A, but is relatively flat. Therefore, it is difficult to determine where flow in this area enters the groundwater low in the Valley Bottom. It may enter the Valley Bottom near MW07 or further east of MW07.

The gradient east of the MSL ranges from 0.0006 ft/ft along the easternmost flow line on Figure 17 to 0.0036 ft/ft along the flow line from E94P to MW07.

On the western portion of the MSL, there is a gradient toward the southwest shown as a flow line to the southwest on the Lower Sand Unit Potentiometric Maps on Figures 17 and 18.

Between the flow lines into the Valley Bottom and the flow line to the southwest is an area referred to as a stagnation ridge. This area is best illustrated on Figure 17 as the area between the 811 contour line south of Janesville Road. The groundwater gradient in this area is very flat as evidenced by the groundwater elevations at each monitoring well within this area being within 0.5 foot of each other. Flow from within this area tends to be toward the groundwater low within the Valley Bottom (shown on Figures 17 and 18 by a flow line to the northwest from within the stagnation ridge) or toward the southwest. The groundwater gradient at the southern tip of the stagnation ridge increases to the south.

3.4.3 Hydraulic Conductivity

At each well installed during these investigations, a single hydraulic conductivity test was run to determine the hydraulic conductivity at the screened interval. Tests were analyzed with AQTESOLV software using the Bouwer-Rice Method (1976), for straight line responses, and the Butler (1998) or Butler-Zhan (2004) method, for wells with inertial responses. Results of the hydraulic conductivity tests are included in Appendix H and summarized in Table 5. The results of the tests display similar hydraulic conductivities to those previously reported in the RI Report (Warzyn, 1992).

In the Upper Sand Unit and in areas where there is no separation between the Upper and Lower Sand Units, the hydraulic conductivities ranged from 0.025 to 0.031 cm/s. The highest hydraulic conductivity occurred in the Upper Sand Unit at MW01 (0.087 cm/s). In the Lower Sand Unit, hydraulic conductivities ranged from 0.0058 cm/s to 0.031 cm/s, exclusive of the lowest conductivity occurring at MW03A (2×10^{-6} cm/s), and the highest at MW05. In general, conductivities in the Upper Sand Unit are higher than in the Lower Sand Unit due to the larger gravel present in the Upper Sand Unit.

Isolated sand seams have lower hydraulic conductivities (ranging from 1.3×10^{-3} cm/s to 1.6×10^{-5} cm/s) than either the Upper or Lower Sand Units. These lower hydraulic conductivities are consistent with the finer grained sand and the higher silt and clay content of these isolated sand seams.

Estimated groundwater velocities are shown in Table 5 for groundwater gradients in selected areas of the study area. The range in groundwater velocity in the Upper Sand Unit is 0.03 ft/day to 0.5 ft/day using the average hydraulic conductivity for the Upper Sand Unit. The range for the Lower Sand Unit is 0.16 ft/day to 0.66 ft/day.

Vertical gradients in the study area are controlled by the presence of the low hydraulic conductivity tills limiting vertical flow, and as a result vertical gradient values are of limited value. Where a well nest is installed within a sand and gravel unit, there is a small head difference (e.g., well nest P67A/B or E141A/B have less than or equal to 0.1 ft) and therefore a small vertical gradient (less than 0.002 ft/ft). At well nests installed in sand units separated by a significant thickness of Oak Creek Till, the head difference can be significant due to the very low hydraulic conductivity preventing significant vertical flow. For example the 8 ft head difference at well nest MW17 results in a vertical gradient of approximately 0.1 ft/ft.

3.4.4 Source and Use of Groundwater and Surface Water

A survey was conducted of the source and use of groundwater and/or surface water within a radius from the MSL equal to the distance between the MSL and Henneberry Road south (approximately 5,500 feet) and east (approximately 5,000 feet) of the MSL. The results of the private well survey are shown in Table 6. Residences in recent subdivisions originally developed with a municipal water supply (*i.e.*, the subdivision around Pasadena Drive and the subdivision north and east of Woods Road) were not specifically surveyed because only one residence was present in these areas prior to construction of the City supply in these subdivisions. That residence (PW16) is connected to City water and is shown in Table 6 with address S84 W2048164 Pasadena Drive and on Figure 1.

The City of Muskego municipal water mains in the study area are shown on Figure 1. The water main extension completed in 2000 extends from just south of PWG to just south of A. Vitrano as shown on Figure 1.

Table 6 lists all locations in the study area that are known to have had private water supply wells; the status of the well, if known; and the available information on when the home, business, or organization building was connected to the City supply. Information as to when a home was connected to the City supply is based on the City's records, primarily their meter installation dates. However, if the meter was replaced subsequent to the initial water connection, then only the most recent meter installation date is available. Therefore, the actual date of connection to the City supply may pre-date the meter installation date. Additional data on initial connection dates available from the City are reported in Table 6, in the column titled "Date Connected based on communication with City of Muskego Water Dept." Those locations noted as "connected when built" indicates that there was never another source of drinking water at the property, so the actual date of connection was not obtained. The 1995 Well Permit and the 2000 Well Permit columns indicate those residents that were issued a City permit for their water supply well. No permits were issued for 2005.

Well PW20, located on the former rendering plant property, is cased and sealed below the Maquoketa Shale so it has not been included for groundwater assessment at the MSL and it has not been sampled. PW20 and CW07 (see description in Subsection 3.4.5) are the only high capacity wells currently known to exist within the study area.

Water from the Payne and Dolan pit is reportedly used for irrigation purposes on the agricultural field southwest of the intersection of Janesville Road and Hillendale Drive. A surface water sample was collected near the extraction point during the July 2007 sampling round and is reported in Subsection 3.8.

Vacant land within the survey area is shown on the 2000 aerial photo used as a base for Figure 3. Development plans for this area are available on the Waukesha County GIS Web site (http://maps.waukeshacounty.gov/imf/sites/waukesha/jsp/launch.jsp). In general, much of the study area is available for rural density development.

Private well logs have been obtained from the WGNHS and correlated to local residences. A limited number of logs could be accurately correlated to a given residence because of the vague nature of information provided on some of the well logs. In general, the private wells in the eastern portion of the study area PW9, PW10, PWM, PWTHIELE, and Pet Supply were open to the Upper Sand Unit within the Oak Creek Till. Private wells in the southern portion of the study area are generally within the

Lower Sand Unit, because the Upper Sand Unit is shown to exist only a short distance south of Janesville Road (see Figure 14). Private wells within this unit include those referred to as Dyer Residence, Dyer Barn, Loppnow, PW22, and PWG. Although the well at the A. Vitrano residence is cased into the upper 5 feet of the bedrock, it is expected that most of the flow comes from the Lower Sand Unit because the sand and fractured bedrock surface are shown to be in direct hydraulic connection.

3.4.5 Municipal Water Supply Well

CW07, owned by the City of Muskego, is in the eastern portion of the study area (see Figure 1) and is approximately 4,000 feet east of the northern tip of the MSL. CW07 was installed in 1997 within the Muskego County Park by Layne Northwest (Layne) on behalf of the City. This well commonly pumps at 700 gpm when in operation (personal communication with Scott Kloskowski).

The well construction report for this well shows that the well was drilled to a total depth of 263 feet below ground surface (bgs). A 16-inch–diameter black carbon steel (BCS) pipe was extended to 225 feet bgs and sealed with grout to a depth of 102 feet bgs. The well has a 35-foot–long screen in a sand and gravel unit, which is shown to be the Lower Sand Unit. Test borings drilled in the area prior to CW07 show that the sand unit in which CW07 is screened is in direct contact with the bedrock.

In 1997, Layne completed a multiple well pumping test, a capture zone analysis, and an aquifer vulnerability assessment of CW07 (see information contained in Appendix D of the EGMWP). The pumping test consisted of pumping CW07 at a rate of approximately 810 gpm for a period of 2,540 minutes, with approximately a 1-day recovery monitoring period (based on discussion with Dan Peplinski of Layne Christensen). Two monitoring wells were used for monitoring drawdown in the aquifer during this test, one at 170 feet and one at 190 feet from the CW07. Layne estimated aquifer properties using the Cooper-Jacob method for a confined aquifer for the pumping and recovery periods. The transmissivity results ranged from 1.268 ft^2/min. to 3.025 ft^2/min., with an average of approximately 2.27 ft^2/min. (3,270 ft^2/day). Using an aquifer thickness of 25 feet estimated by Layne, the calculated hydraulic conductivity ranges from 2.6×10^{-2} cm/s to 6.1×10^{-2} cm/s. This range is generally consistent to somewhat higher than the upper end of the estimates obtained during the baildown tests in the Muskego Sanitary Landfill monitoring wells conducted during the RI (3.9×10^{-2} cm/s) and both phases of the EGMWP.

Layne used the USEPA Well Head Protection Analysis (WHPA) groundwater flow model with a solution that simulates two-dimensional flow within a uniform confined

aquifer. The capture zone analysis indicates that the capture zone is expected to extend to the northwest of CW07, and after 1 year to reach just beyond the northwestern corner of the county park; after 5 years, the capture zone is expected to extend almost to Interstate Highway 43 (shown on Layne's maps as State Highway 15). The northwestern extent of the capture zone is stated to be most likely the groundwater divide near Hwy ES (*i.e.*, National Ave. located north of I43). According to the Layne analysis, the flow paths do not extend far enough west to capture flow from beneath the MSL.

Layne's report assesses the potential effect on the capture zone of CW07 due to two potential variations in the hydrogeology, the presence of a bedrock mound northwest of the well, and the lower transmissivity than estimated from the pumping test. Layne doubles the pumping rate of the extraction well to account for the bedrock mound occupying approximately 50 percent of the flow lines (*i.e.*, 50 percent of the flow) under the base analysis. This analysis, shown on Layne's Figure 9, shows that the predicted steady-state capture zone does not extend to the landfill. Layne also ran a sensitivity analysis using one-half the transmissivity of the pumping test results. This capture zone was almost identical to doubling the pumping rate. Based on Layne's analyses, CW07 does not capture groundwater from beneath the Muskego Sanitary Landfill.

3.4.6 CW07 Response Tests

As part of the EGMWP activities, two response tests were run to determine the influence of pumping CW07 on the Upper and Lower Sand Units. These tests were run in 2006 and 2007. Groundwater elevations were monitored at selected wells during a period when CW07 was turned off, on, and then off again.

The 2006 test was begun initially with CW07 turned off prior to the start of the test and remained off for approximately 14 days. During this time, pressure transducers and data loggers were installed in monitoring wells MW01, MW01A, MW01B, MW02, MW03, MW03A, and MW07. CW07 was then turned on and pumped at approximately 700 gallons per minute continuously for approximately 5 days to measure potential drawdown in the monitoring wells. CW07 was then turned off and water levels were monitored for approximately 3 days to measure recovery in the monitoring wells. Figure 19 shows a plot of water level versus time in the monitoring wells. During the period when the pump was off, prior to the test, two rainfall events occurred, the first resulting in 1.5 inches of precipitation, and the second resulting in 1 inch of precipitation. These two events are visible as rises in the water levels shown on Figure 19.

A review of the data from Figure 19 shows that the only well to show an apparent response to the pumping of CW07 is MW03A. It appears to respond (~0.1 foot drawdown) within 4 hours of the well being turned on, but does not rebound in the monitored recovery period. This well is screened at an elevation similar to that of the Lower Sand Unit, but encountered only a 1.5-foot–thick sand unit. The hydraulic conductivity testing at MW03A shows a low hydraulic conductivity (2×10^{-6} cm/s). Therefore, the sand seam monitored by well MW03A appears to be connected to the Lower Sand Unit, based on its response to pumping in CW07, but the connection is poor, based on the weak response to the pumping stress. The sand seam could respond to the drawdown during pumping, but there was such a poor connection to the Lower Sand Unit that recovery did not occur within the time frame of the test period.

A second response test was conducted upon completion of the Phase 2 well installation. Monitoring wells MW03A, MW08A, MW09, MW10, MW10A, and MW11A and Muskego County Park 2 were instrumented with pressure transducers. The results of this test are displayed on Figure 20. The transducers were installed on June 26, 2007, and the pump was shut off for three days beginning on June 29, 2007. The pump was turned on and pumped for 4 days at a high rate, and for the remainder of the test, CW07 pumped intermittently. Results of the response test are as follows:

- The water level at County Park 2 was clearly related to, and strongly affected by (with approximately 16 ft of drawdown), the pumping at CW07 and is clearly in the same aquifer.
- The water level at wells MW03A and MW08A may have shown small effects from pumping at CW07. The evidence for this is that the water level started to decline shortly after pumping started (by up to 1.19 feet at MW03A and 0.67 feet at MW08A), and recovered slightly (0.03 feet at MW03A and 0.06 feet at MW08A) after turning CW07 off. They then declined slightly again when CW07 was turned back on. These declines when pumping are much smaller than at County Park 2, so the hydraulic continuity between the sand at MW03A and MW08A and CW07 is substantially less than between CW07 and County Park 2.
- The rest of the wells did not show an influence from CW07.

3.5 Water Quality Data Validation, Verification, and Qualification Results

Laboratory data validation and verification were completed as specified in the EGMWP. Data validation was completed on 10 percent of the data collected in May and June 2006 and June and July 2007 by Laboratory Data Consultants, Inc. Their reports are included in Appendix I. Data verification on these samples was completed on 100% of the data by Laboratory Data Consultants, Inc. The data verification report is also included in Appendix I.

Results of the data validation and data verification demonstrate that the data met analytical requirements with minimal qualifications. The only qualifications on the data are as follows:

- Methylene chloride was qualified in one batch of samples because of the method blank.
- The TKN result for MW04 (June 1, 2006) was qualified as estimated, because of poor matrix spike recovery .
- Acetone was qualified as not detected in several samples because of its presence in one trip blank.
- The hold time for PW_Davis in the December 22, 2006, sample was exceeded. A follow-up sample was then collected in February.
- The temperature for several samples on June 15, 2007, was not within the acceptable range so these samples have a "T" qualifier. However, these results were duplicated on June 8, with similar results.

These qualifications are noted on the appropriate samples and tables.

Chloromethane was not qualified during the validation or verification process. However, chloromethane was discovered in almost all of the samples collected during the four rounds of samples collected as part of the EGMWP. Results of a USGS study (Connor, et al., 1998) indicated that the probable explanation for the detection of chloromethane in their study was due to the hydrochloric acid used to preserve the samples. They did not know whether it was from the preservative or from a reaction of the chloride with organics in the sample to form chloromethane. The lack of chloromethane in trip blanks, made with deionized, filtered water, is probably because there is no organic matter to form chloromethane. Therefore, chloromethane concentrations are not considered to be representative of groundwater quality within the study area. A scope of work to further assess this was proposed to USEPA in a memorandum dated October 1, 2007. USEPA indicated additional information is necessary to evaluate the proposed scope of work. Consistent with USEPA's request, MSGRG will prepare the required documents to proceed with this work.

3.6 Inorganic Water Quality Results

3.6.1 Inorganics - General Information

Sampling events were conducted as shown in the following table. The results of these analyses are included as Table 7. Records of the pumping schedule for CW07 prior to water sampling (except for the EPA rounds) are included in Appendix G. Water samples from CW07 were collected while the well was in operation to collect representative samples.

SAMPLING TIMEFRAMES	INORGANIC PARAMETERS ANALYZED
May 2006 (May 26-June 2, 2006)	Indicators, TAL
June 2006 (June 26-30, 2006)	Indicators and TAL
USEPA 2006 sampling	TAL
1st Quarter 2007 (January 2-5, 2007)	Indicators and select metals
2nd Quarter 2007 (April 9-12, 2007)	Indicators and select metals
June 2007 (June 4-8, 2007)	Indicators and TAL
June 15-18, 2007	Isotopes and indicators
July 2007 (July 9-12, 2007) and 3rd Quarter 2007	Indicators, select metals, and a few samples for TAL
USEPA 2007 sampling	TAL

During the June 2006 sampling, an additional sample bottle was collected at two wells (MW01 and MW03A) for metals analysis, as discussed previously in Subsection 1.4. The water in the additional sample bottle was filtered during collection in order to remove suspended solids and determine the concentration of dissolved metals versus total metals in area groundwater. Two wells were chosen in the field to represent the range of turbidity values experienced in the field during the first sampling round. Wells MW01 (low turbidity) and MW03A (high turbidity) were sampled for both unfiltered and filtered metals. The results of the filtered and unfiltered sampling were included in Table L-1 of Appendix L. In general, filtering of the samples reduced metals concentrations more significantly in the high-turbidity sample (MW03A). Overall, however, most detected concentrations were reduced to some degree by filtering in both MW01 and MW03A. Based on these results, it appears that the samples with low turbidity are generally representative of metals concentrations in groundwater, while the samples with high turbidity are not representative of metals concentrations in groundwater. Samples with high turbidity in the May and June 2006 samples were E137A, MW01, MW03A, and MW04A. Due to the bias of high turbidity, and in accordance with the Phase 2 Work Plan and QAPP, the 2007 samples collected by the MSGRG for metals used in-line field filtering to provide dissolved metals results.

3.6.2 General Water Chemistry - Trilinear Diagrams

The average results of inorganic analyses (sulfate, nitrate, chloride, carbonate, bicarbonate, sodium, potassium, magnesium, and calcium) for the May and June 2006 and June and July 2007 sampling rounds are plotted on a trilinear diagram on Figure 21 using the USGS software titled GW-CHART (May 2006). Alkalinity was used for values of bicarbonate because, for water with a pH of less than 9, the alkalinity is almost

entirely bicarbonate (Benjamin, 2002). Samples with ion balances greater than 11 percent ion balance error (see Table L-2) were eliminated from this assessment. The following wells and dates were excluded:

- May 2006 - wells CW07, MW01B, MW03A, and MW04A. The source of the ion balance error at wells MW01B, MW03A, and MW04A is probably the high sediment content in these samples. The source of the ion balance error at well CW07 is unknown.
- June 2006 - wells MW01B, MW03A, MW04A, Seybold, and CW07. The source of the ion balance error at wells MW01B, MW03A, and MW04A is probably the high sediment content in these samples. The source of the ion balance error at wells CW07 and Seybold is unknown.
- June 2007 - well E135B. Calcium is low by a factor of 10.
- July 2007 - E135A, E135B, MW06, MW07S, MW11A, and MW15A. The source of the ion balance at these wells is unknown.

The trilinear diagram (see Figure 21) shows that the samples separate into four main groupings in the diagram, including:

- Background water quality, including MW02, MW06, and CW07. This group plots on the left-middle part of the diamond.
- Upper portion of the diamond includes Upper Sand Unit wells MW01, MW03, MW09, PW-M, and MW10 and Lower Sand Unit wells MW07, MW17A, PW-22.
- Central group or transitional wells include the majority of wells that plot between the background water quality and the Upper Central group of wells.
- Lower third of the diamond, including wells MW01B, MW03A, MW11A, and MW17, which have very distinctly different water quality than any of the other wells.

Background wells (MW02, MW06, and CW07) are grouped together on the left side of the diamond. This group illustrates natural groundwater quality in sand units in the study area.

The grouping in the upper portion of the diamond on the trilinear diagram represents wells sampled to the east of the MSL in the Upper Sand Unit (including wells MW01, MW03, MW09, PW-M, MW10, and PW-Thiele) and the Lower Sand Unit wells. Wells located in the Valley Bottom hydrostratigraphic unit of the Lower Sand Unit also plot in the same area of the trilinear diagram, including wells MW07, MW17A, and PW-22.

The central group of wells forms a transitional trend from the background group to the group nearer the top of the diamond. It is significant to note that the wells closest to the background group are wells E135A, E135B, and E137A, all of which are on the MSL property.

The wells in the lower third of the diamond (i.e., wells MW01B, MW03A, MW11A, and MW17 on the trilinear diagram) are shown to have distinctly different water quality than the rest of the wells. These wells are screened in low hydraulic conductivity sands that, based on the data, are isolated sand pockets in the even lower hydraulic conductivity till units. Their position on the trilinear diagram supports this conclusion, because their water quality is shown to be "disconnected" from the water quality in the Upper and Lower Sand units. Although MW07S plots on the diamond with many of the other wells, it has very different water quality, in that it has much higher sulfate concentrations and lower chloride concentrations than most other wells. This is an indication that this well is "disconnected" from the water quality in the Upper and the Lower Sand units.

Time concentration graphs for chloride are plotted for wells in different hydrostratigraphic zones in the study area (see Figures 22 through 24). These hydrostratigraphic zones include the Upper Sand Unit, which is located east of the MSL (TW-62, and E93P MW01, MW03, MW09, MW10, PW-Thiele, and PW-Mageske), the North Valley Wall of the Lower Sand Unit (E93D, P64C, E135A, E137A, and MW01A), and the South Valley Wall and Southern Plateau (A. Vitrano, MW17A, and MW05). Chloride in the study area is somewhat complex and is not a reliable indicator of landfill leachate, because of other potential sources of chloride. Other sources include primarily the rendering plant lagoons, but also include road salt and other sources. Chloride is used as a factor in evaluation of groundwater quality.

3.6.3 Inorganic Results – NR-140 Comparisons

Table L-6 in Appendix L presents a comparison of samples to NR 140 standards for samples collected from May 2006 to the present. Analytical results for private wells and monitoring wells indicate that there are PAL or ES exceedences for the parameters and locations described in this section. Parameters not described (the rest of the TAL list, such as mercury, selenium, silver, etc.) did not exceed a PAL, ES, or MCL in any of the wells sampled.

Nitrate-nitrogen – MW13S (2.4 µg/L to 3.4 mg/L) exceeded the PAL (2 mg/L) in 2007. The source of this exceedence is not known, does not appear to be related to the MSL, and is probably from agricultural activities throughout the area.

Arsenic – Arsenic is a naturally occurring constituent in the soils and groundwater in glacial deposits throughout the Midwest, including Wisconsin, as clearly demonstrated by a 2003 USGS report (Thomas, 2003). It should be pointed out that the area of the USGS study was primarily in the Wisconsinan glacial advance, as in the study area. The USGS report describes the occurrence of arsenic as a complex geochemical relationship between the redox conditions in groundwater and the mineralogy of arsenic in the soils. This USGS report categorized groundwater samples from 342 private wells and monitoring wells. Conclusions from this report are that up to 8% of the samples exceeded the arsenic MCL (10 µg/L, which is equal to the ES) and more specifically, 4% to 7% of samples in the Upper Illinois River Basin (which includes the study area) exceeded the MCL. The Upper Illinois River Basin results are essentially identical to the 5% of samples in excess of 10 µg/L, shown in the following table of arsenic data for study area data from 2006 to 2007. Furthermore, the USGS found that confined valley fills (similar to much of the study area) had the highest arsenic concentrations (Thomas, 2003 page 23), with 47% of the samples exceeding the MCL (which is equal to the Wisconsin ES).

Arsenic Summary Statistics
2006-2007 Study Area Data

ARSENIC CONCENTRATION[1] (µg/L)	FREQUENCY	PERCENT (%)
0 to 1	16	20%
1 to 5	49	60%
5 to 10	12	15%
10 to 20	2	2.5%
More	2	2.5%

Note:
1. Summary used one half the detection limit for nondetects and did not include the USEPA 2006 nondetects due to the 10 µg/L detection limit in those analyses.

In summary, the distribution of arsenic in the study area is consistent with regional trends for the Upper Illinois River Basin and has fewer locations with concentrations in excess of the MCL (and ES) than the USGS study for confined valley fill wells. Therefore, arsenic in the study area is consistent with the regional study's conditions.

Antimony – Well MW_Dyer exceeded the PAL in USEPA's 2006 sample, but not the ES or MCL. No other locations detected significant antimony concentrations, so at this location, it is probably related to the silty clay soil in which the well is installed.

Beryllium – MW03A (0.79 µg/L-June 2007) and MW_Dyer (0.4 µg/L-USEPA 2007) equaled or exceeded the PAL (0.4 µg/L). Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL, ES, or MCL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Cadmium – MW03A (1.5 µg/L) and MW04A (0.8 µg/L) exceeded the PAL (0.5 µg/L) in one of the May and June 2006 sampling rounds. Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL, ES, or MCL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Chromium – Five wells (MW01, MW03A, MW04A, MW_Dyer, and PZ_Dyer) exceeded the PAL (10 µg/L) and MW_Dyer (337 µg/L USEPA's June 2006 sample) and MW03A (115 µg/L – May 2006) exceeded the ES (100µg/L). The filtered sample at MW_Dyer (June 8, 2007) was nondetect (<5 µg/L) for chromium, indicating that the chromium detected at this well, screened within silty clay, is probably due to sediment from the silty clay that contains sufficient chromium to exceed the standard. However, this chromium is not mobile through silty clay soil. Likewise, the MW03A sample in June 2007 was filtered and was nondetect (<5 µg/L) for chromium. Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL, ES, or MCL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Cobalt – MW03A and MW_Dyer Dup exceeded the PAL in samples that were not filtered, including samples collected in May and June 2006 and by the USEPA in June 2006 and July 2007. Samples from these two wells in fine-grained soil can produce a significant amount of sediment while sampling that may contain some cobalt. Filtered samples at these locations and other locations in the study area did not exceed the PAL. Therefore, these are not considered significant exceedences.

Iron – Iron is a naturally occurring metal in the soil since it is the second most abundant metallic element in the earth (Hem, 1989). Iron will typically be at relatively low concentrations under aerobic conditions, because it forms iron hydroxides or iron oxides in the presence of oxygen or even weakly reducing conditions. Iron is leached from the soil solids under anaerobic conditions (Hem, 1989). Therefore, the presence of iron in both private wells and monitoring wells is dependent on the redox of the groundwater and the content of iron in the soil around the well as opposed to the MSL being a source of iron.

Lead – One private well sampled by EPA in July 2006 and June 2007, PW50, located on Henneberry Drive, had a lead concentration of 70 µg/L in the June 2007 sample. However, EPA's July 19, 2006, and July 20, 2006, samples were both below detection limits (<10 µg/L) at less than the ES (15 µg/L). The 2007 sample exceeds the ES of 15 µg/L. No other wells approach this 2007 value, in either private wells or monitoring wells, so it is possible that there was an error in the analysis or the lead is associated with the plumbing. This lead concentration is not related to the MSL. The PW_Thiele lead concentration has fluctuated between the PAL (1.5 µg/L) and the ES (15 µg/L), and County Park 2 had one result between the PAL and the ES. These detections are also assumed to be associated with the plumbing and unrelated to the MSL. Only one monitoring well sample that was filtered (i.e., providing dissolved results) had a lead value above the PAL. That was for the isolated sand at well MW11A on one of its two sample dates (0.17 µg/L in June 2007 and 1.54 µg/L in July 2007). All of the rest of the monitoring well samples that exceeded a PAL or ES were from unfiltered samples. The comparison of filtered versus unfiltered samples indicates that the majority of the lead in the unfiltered samples is the naturally occurring lead in the soils where it is immobile and unrelated to the MSL.

Manganese – Like iron, manganese is a naturally occurring metal in the soil since it is one of the more abundant metallic elements in the earth (Hem, 1989). Manganese will typically be at relatively low concentrations under aerobic conditions (e.g., below the ES of 50 µg/L) but can be leached from the soil solids under anaerobic conditions. Therefore, the presence of manganese in both private wells and monitoring wells is dependent on the redox of the groundwater and the content of manganese in the soil around the well as opposed to the MSL being a source of manganese.

Nickel – Nickel is detected over the PAL or ES only in wells MW03A and MW_Dyer in unfiltered samples, but when filtered, MW03A results show the concentration is less than the PAL. Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Thallium – Thallium is detected over the PAL or ES only in wells MW03A and MW_Dyer in unfiltered samples, but when filtered, MW03A results show that the concentration is less than the PAL. Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Vanadium – Vanadium is detected over the PAL (6 µg/L) or ES (30 µg/L) in wells MW03A and MW_Dyer, like several other constituents, but also in unfiltered samples from MW01 and MW04A. However, MW11A also slightly exceeded the PAL in one of the two 2007 samples that were filtered (1.2 µg/L in June 2007 and 9.8 µg/L in July 2007). Samples at private wells and monitoring wells throughout the rest of the study area, including those on the MSL property, did not exceed the PAL. Therefore, these are not considered significant exceedences or as being associated with the MSL.

Zinc – There are no zinc ES or PAL exceedences in either the EPA data or any other data collected in 2006 through 2007.

In summary, the comparison of TAL constituents to NR 140 standards demonstrates the following:

- All of the PAL or ES exceedences for the TAL inorganic constituents, except for arsenic, iron, and manganese, were primarily associated with two wells, MW03A and MW_Dyer, both of which are screened in low-permeability soil materials and which, when sampled for the MSGRG, contained significant sediment. The sediment probably accounted for the detection of these naturally occurring metallic constituents. In general, filtered samples had significantly lower metal concentrations, indicating that the constituents were contained in the sediment and not mobile in groundwater. In addition, samples for all of these constituents at other private wells and monitoring wells throughout the rest of the study area, including those monitoring wells on the MSL property, generally did not exceed the PAL. Therefore, these constituents are not considered significant exceedences or as being associated with the MSL.
- Arsenic concentrations throughout the study area are shown to be consistent with, or possibly even lower than, the concentrations (for confined valley fills) contained in a USGS study (Thomas, 2003) of groundwater in Midwest glacial deposits. Therefore, the complex relationship of arsenic with redox conditions and soils mineralogy appears to be typical for the region.
- Iron and manganese are abundant in soils and their solubilities are sensitive to redox conditions. Therefore, the presence of iron and manganese in both private wells and monitoring wells is dependent on the redox of the groundwater and the content of iron and manganese in the soils around the well as opposed to the MSL being a source of either the iron or manganese.
- Nitrate exceeded its PAL (2 mg/L) at one location (MW13S – 3 mg/L to 3.4 mg/L). The source of this nitrate is unknown, but it does not appear to be related to the MSL.

3.7 Organic Water Quality Results

3.7.1 Vertical Groundwater Screening Results

As required by the EGMWP, permeable units where a monitoring well was not planned to be installed in a thin (<10 feet) sand seam were to be sampled for VOCs during drilling. Based on results collected during drilling, the monitoring well screen was to be set at the location in the permeable unit where the highest concentration was detected. Procedures for this sampling while drilling are outlined in Appendix C.

During the 2005/2006 field investigation, sampling while drilling was completed at the following wells: MW01, MW01A, MW01B, MW02, MW04, MW05, and MW07. A total of 20 groundwater samples, 10 trip blanks, two duplicates, two field/equipment blanks, and two drilling water samples were analyzed for VOCs during drilling using the same methods used for the well sampling. Results for these samples are presented in Table 8A.

During the 2007 field investigation, sampling while drilling was completed at MW08A, MW09, MW10A, MW11A, MW13A, MW14A, and MW15A. A total of 50 groundwater samples, 15 trip blanks, four duplicates, five equipment blanks, and three drill water samples were collected and analyzed for VOCs, with the groundwater samples being subjected to field parameter measurements (pH, DO, redox, specific conductance, turbidity, and temperature). Table 8B summarizes the constituents detected in samples collected during this phase.

Constituents detected in the raw drilling water or contributed from the pump and hoses used for sampling are highlighted in Tables 8A and 8B. A discussion of these constituents is included in Appendix C. It is concluded that, while there were several constituents contributed from the drilling water, conveyance hoses or drill water tanks, the vertical groundwater screening results for vinyl chloride are representative of groundwater conditions in the area.

Vinyl chloride results from the vertical groundwater screening are shown on the cross sections, Figures 5 through 11, to illustrate its vertical distribution. These results indicate that the monitoring wells were installed in conformance with the specification that the well screens be installed at the depths with the highest vinyl chloride concentration.

Comparison of the vertical screening results and monitoring well sample results shows a good correlation. Therefore, it is concluded that the vertical screening data were effective in locating the monitoring wells in the zones of highest concentration.

3.7.2 Organics - General Information

Sampling events were conducted as shown in the following table. Analytical laboratory reports for sample dates by the MSGRG are in Appendix L.

SAMPLING TIME FRAMES	WELLS SAMPLED	TERM OF SAMPLING ROUND	ORGANIC PARAMETERS ANALYZED
May 2006 (May 26-June 2, 2006)	EGM and selected MSL monitoring wells, CW07, and two private wells	May 2006	VOCs
June 2006 (June 26-30, 2006)	EGM and selected MSL monitoring wells, CW07, and two private wells	June 2006	VOCs
USEPA 2006 Sampling	Selected monitoring and private wells	EPA 2006	VOCs, SVOCs, pesticides, and PCBs
1st Quarter 2007 (January 2-5, 2007)	EGM and MSL monitoring wells	1st Quarter 2007	VOCs
2nd Quarter 2007 (April 9-12, 2007)	EGM and MSL monitoring wells	2nd Quarter 2007	VOCs
June 2007 (June 4-8, 2007)	EGM and selected MSL monitoring wells, CW07.	June 2007	VOCs
June 15-18, 2007	Selected monitoring and private wells.	June 2007 special analytes	VOCs
July 2007 (July 9-12, 2007)	EGM and selected MSL monitoring wells, CW07	July 2007	VOCs
USEPA 2007 Sampling	Selected monitoring and private wells	EPA 2007	VOCs, SVOCs, pesticides, and PCBs
August 2006 to present (January, April, June, and July 2007 sampling done with other programs).	EGM and selected MSL monitoring wells, CW07	Sentry Well and CW07 Monthly	VOCs
Private well sampling May 2006, December 2006 (and a re-sample in February 2007)	Private wells	Private well semiannual	VOCs

Sampling completed under the EGMWP includes the May and June 2006 and the June and July 2007 rounds. Data validation reports for these rounds are included in Appendix I. The remaining MSGRG sampling rounds (1st and 2nd quarter 2007 and the June 15-18, 2007) have been reviewed using Level 3 validation methods. Results of these data validation reports are incorporated into the data tables as qualifiers.

The USEPA data validation for the USEPA 2006 round is included in Appendix B. The results of the USEPA 2006 data validation showed that much of the data was qualified and some rejected. The data validation results are included as qualifiers in the data tables included in this report. USEPA acknowledges that, in the 2006 round, six samples out of 31 had labeling problems resulting in uncertain sample locations. Data validation of the 2006 USEPA data showed that the calibration data and the MS/MSD data were not able to be reviewed with confidence due to the limited information provided, resulting in several qualifications added to the data (UJ and J flags in the data tables). Although USEPA concludes that their 2006 data can be used for project decisions taking into consideration the validation flags applied to the data, they also state that the data should be used with caution.

The USEPA case narrative for the USEPA 2007 round is also included in Appendix B. Results of this data validation added several qualifiers to the data, but did not make a statement regarding the usability of the data for decision making.

3.7.3 SVOCS, Pesticides, and PCBs

USEPA sampling included analysis of SVOCs, pesticides and PCBs at monitoring wells and private wells selected by USEPA in June 2006 and July 2007.

The PCB analyses did not detect any of the PCB congeners at any of the wells sampled in either 2006 or 2007.

The SVOC analyses detected bis-2-ethylhexlphthalate over the NR-140 PAL or ES at several of the monitoring wells and private wells in both the 2006 and 2007 samples. This is a common plasticizer and is a ubiquitous compound found whenever there are plastics nearby. The highest concentrations of bis-2-ethylhexlphthalate were detected as follows:

- Well P64A (55 µg/L in 2006 and 92 µg/L in 2007), a monitoring well installed in silty clay that has no detectable vinyl chloride. Given that the screen interval of this well is screened in silty clay, it is not likely affected by the landfill. Therefore, the bis-2-ethylhexlphthalate appears likely to be related to the older plastic sampling pump installed in this well.
- Well P64C (54 µg/L in 2006 and nondetect at <2.5 µg/L in 2007).
- Well PW22 (52 µg/L in 2006 and nondetect at <2.3 µg/L in 2007).
- Well PW29 (43 µg/L in 2006 and nondetect at <2.3 µg/L in 2007).
- Private well PW49 at S93W19809 Henneberry (55 µg/L and nondetect at <2.4 in a duplicate in 2006 and nondetect at <2.5 µg/L in 2007).

The heterogeneity of the detection of bis-2-ethylhexlphthalate indicates that it is not related to a constant source of this constituent (*e.g.*, the groundwater) and is most likely related to the plastics used in the construction of the well pumps.

The pesticide analyses detected only one constituent in 2006 that has an NR 140 standard, gamma-chlordane, substantially below its PAL (*i.e.*, detected at 0.041 and 0.043 µg/L vs. a PAL of 0.2 µg/L). This compound was not detected in 2007 (with detection limits of 0.037 to 0.051 µg/L).

In summary, the pesticides, PCBs, and SVOC analyses did not detect any constituents that exceed an NR 140 PAL or ES that are attributable to being present in the groundwater. As demonstrated in the RI Report, these analyses confirm that pesticides, PCBs, and SVOCs are not constituents of concern at the MSL.

3.7.4 VOCS

Detected VOCs for monitoring wells and private well samples analyzed since January 2006 analyses are presented in Tables 9 and 10. Complete analyses are included in Appendix L. NR 140 standard exceedences are presented in Appendix L. VOC constituents that exceed an NR 140 standard from groundwater samples collected from monitoring wells on the MSL include 1,2-dichloroethane; benzene; PCE; TCE; and vinyl chloride. The chlorinated ethenes (*i.e.*, PCE; TCE; cis-1,2-DCE; and vinyl chloride) is the only group of compounds for which there are exceedences of PAL or ES values in groundwater samples from monitoring points off the MSL property. These include PCE and TCE, with PAL exceedences only, and vinyl chloride. The only VOC constituent exceeding an MCL is vinyl chloride. 1,2-dichloroethane and benzene do not exceed a PAL, ES, or MCL off the MSL property; therefore, these VOCs are not considered further in this evaluation.

The distribution of chlorinated VOCs, vinyl chloride, and chloride are posted on Figures 25 and 26 for the Upper Sand Unit and the Lower Sand Unit, respectively, for the most recent samples collected in 2007. Decisions on which map to post the data are based on the geologic descriptions presented in Subsection 3.4, Study Area Hydrogeology, and are shown on Cross Sections A-A′ through G-G′. Specific decisions on which map to post the data are as follows:

- Where the Upper and Lower Sand Units are not separated by the Oak Creek Till, results are posted on both the Upper and the Lower Sand Unit maps.
- Well MW17A, which is screened across the interface of the Lower Oak Creek Till and the underlying bedrock is shown to be in hydraulic connection with the Lower Sand Unit. Therefore, these data are plotted on the Lower Sand Unit Map.

- Some data not attributed to the Upper or Lower Sand Units (i.e., wells in isolated sand seams or private wells with no known well log) are presented in gray text, for general information purposes.

3.7.5 Upper Sand Unit VOC Distribution

The distribution of the chlorinated VOCs[3] vinyl chloride and chloride in the Upper Sand Unit are shown on Figure 25. Vinyl chloride within the Upper Sand Unit is shown to the east, south, and immediately southwest of the MSL, with the extent of any detections limited to the south of the MSL by the limited extent of the Upper Sand Unit in this direction.

East of the MSL, in the Upper Sand Unit, as shown on Figure 25, vinyl chloride is present at approximately 0.9 µg/L at MW01, 0.6 µg/L at MW03, and 0.5 µg/L at MW09 (July 2007 only). Well MW10 did not detect any chlorinated ethenes (the PCE detected during drilling is attributed to pump contamination) during the June or July 2007 sampling events. As shown on Figure 25, the chloride concentration measured at MW10 was 215 mg/L and 167 mg/L in June and July 2007, respectively.

3.7.6 Lower Sand Unit VOC Distribution

The distribution of chlorinated VOCs in the Lower Sand Unit is shown on Figure 26. This map, in conjunction with Table 9, illustrates that VOCs on the western side of the MSL (*i.e.*, E141A) are low concentrations of vinyl chloride's parent compounds (*i.e.*, Table 9 shows TCE at 1.8 to 2.0µg/L and cis-1,2-DCE at 2.2 to 5.1 µg/L). Groundwater flow from this location is shown to be to the southwest, toward MW13S/MW13A. At boring MW13, the TCE concentration is distributed throughout the sand and gravel (see TCE concentrations on Cross Section A-A' on Figure 5 from the vertical profiling). However, vinyl chloride is not present at or above the limits of detection at wells MW13S, MW13A, or in the vertical profiling.

One private well, PW-52, sampled by USEPA in 2006 and 2007, is shown on Figure 26 west of well nest MW13 to have TCE at 0.9 µg/L and 0.9 µg/L, respectively. This value is below the MCL and the ES of 5 µg/L, but slightly above the PAL of 0.5 µg/L.

Directly south of the OFA, monitoring well nests E95, E138, E137, E96, and E135 have low concentrations of the parent compound chlorinated ethenes (TCE and cis-1,2-DCE are all below the PALs). Vinyl chloride results at these wells range from ND to 0.59 µg/L.

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[3] Chlorinated VOCs are the sum of chlorinated VOCs, except methylene chloride (lab contaminant) and chloromethane (from preservative). Nondetect values were set at 0.0.

Monitoring wells PZ_Moose, MW15A, MW04, and MW14A are present south of Janesville Road and along Crowbar Drive. PZ_Moose, sampled in June 2007, detected low concentrations of PCE; TCE; and cis-1,2-DCE below their respective ES and MCL values. No vinyl chloride was detected at PZ_Moose. Vinyl chloride was detected at wells MW04 and MW14A at concentrations above the ES. No PCE; TCE; or cis-1,2-DCE was detected at these wells. South of MW14A, no detectable vinyl chloride is shown at private well PW29 in the USEPA's 2007 sampling (<0.07 µg/L). Private well PW42 on Henneberry Road had vinyl chloride in the USEPA 2007 sampling and analysis by SIM (0.13 µg/L). This is below the ES (0.2 µg/L) and has not been reproduced.

Southeast of the MSL, groundwater flows into the East Valley Bottom. In the flow path from the MSL to the East Valley Bottom, chlorinated VOCs were present at wells E137B, PZ_Stagecoach, PW_Moeller and MW07, as shown in the following summary table:

PARAMETER	E137B JUNE 2007	PZ STAGECOACH JUNE 2007	PW22 JUNE 2007	MW07 JUNE 2007
Tetrachloroethene	< 0.05	<0.05	<0.05	< 0.05
Trichloroethene	0.094 J	<0.05	<0.05	< 0.05
cis-1,2-Dichloroethene	0.75	3.5 Q	<0.05	< 0.05
Vinyl chloride	0.48	3.0	1.7	0.75

Q = Laboratory control sample outside acceptance limits.

This table indicates that the highest concentration of chlorinated VOCs, including vinyl chloride, is not located adjacent to the MSL (*e.g.*, at E137B); rather, it is located further into the valley bottom. The concentrations further east into the valley bottom are also lower (*e.g.*, at PW22 and MW07).

East of MW07, well MW10A is screened within the Lower Sand Unit and has no detectable vinyl chloride (<0.013 µg/L). In addition, the chloride concentration at this well is approximately 10 mg/L.

Well MW-11A, located south of MW10A, is screened in an 8-foot–thick sand seem that, based on the geological interpretation (see Cross Section G-G' on Figure 11) and the general water chemistry (see trilinear diagram on Figure 21) is shown to be an isolated sand seam. Vertical profiling through this interval did not detect vinyl chloride; however, the water samples collected at well MW11A in June and July 2007 indicate it being present at 0.41 to 0.22 µg/L, respectively. This dichotomy may indicate that the vertical profiling did not detect the vinyl chloride or may indicate that vinyl chloride is potentially leaching from the PVC well materials. This could be a similar explanation

for initial detections of vinyl chloride after installation of wells MW03A, MW04A, that in several subsequent samples was nondetect (see Table 9).

A time concentration graph for vinyl chloride in wells adjacent to the MSL (Figure 27) indicates the further decline of vinyl chloride concentrations near the MSL (*e.g.*, see well E137A and E137B). The progressively lower concentrations of parent compounds along this flow line from the MSL into the east valley bottom indicates that the Source Control Operable Unit is acting to reduce the VOCs and that biodegradation of the parent compounds is occurring, as expected by the GWOU ROD.

As described in Subsection 3.4.2, a groundwater stagnation ridge exists south of Janesville Road within the 811 contour line shown on the June 15, 2007, Lower Sand Unit Potentiometric Map (see Figure 17). Vinyl chloride is present at some wells within this area (e.g., MW17A, MW05) and not at others (e.g., PZ_Dyer, or historically at PW_Loppnow).

3.7.7 Municipal Well

Samples from CW07 were analyzed routinely for the EGM investigation, including May 2006, then monthly from June 2006 through current. The May 2006 sample was analyzed according to EPA Method 524.2. Since then, it has been analyzed using EPA Method 8260B, with low-level detection limit methods per the EGMWP methods for the monitoring wells. Chloromethane was the only compound detected in samples from CW07 that was not flagged as also being detected in an associated blank sample. As described in Subsection 3.5, the chloromethane is expected to be present due to a reaction with a sample preservative. No VOCs were detected in the groundwater from CW07.

3.7.8 Discussion of VOC Results

Analysis of the results from the two phases of field investigation in the study area confirms previous findings from the RI report that only very low concentrations of VOCs are present in the groundwater within the study area. The only VOC observed to exceed an ES or MCL in groundwater anywhere in the study area in 2006 and 2007 is vinyl chloride (methylene chloride is a laboratory contaminant and not representative of groundwater). The only other VOCs present in groundwater within the study area that exceeded their respective PAL were PCE; TCE; 1,2-DCE; 1,2-dichloroethane; and benzene. None of these constituents were found to be present in groundwater samples at concentrations that exceed their respective ES. TCE and PCE are the only other VOCs detected above the PAL within the study area and off the MSL property. Therefore,

vinyl chloride, TCE, and PCE are the only VOCs addressed further in the discussions that follow.

PCE was detected barely in excess of its PAL (0.5 μg/L) at well PW-2 in 2006 and 2007 (0.5 μg/L to 0.6 μg/L) and at E123B (0.53 μg/L and 0.52 μg/L) in April 2006 and April 2007). TCE was detected above its PAL (0.5 μg/L) at concentrations up to 2.4 μg/L on the MSL (at well E141A) and up to 1.7 μg/L off the MSL (at well MW13A). The history of PCE and TCE on the MSL property (i.e., PCE at well E123B and TCE at well E141A) indicates that they are stable or declining. Therefore, PCE and TCE at locations further to the southwest (*e.g.*, MW13A) are also expected to be stable or declining.

The highest vinyl chloride concentration within the study area occurs east of the MSL in the North Valley Wall of the Lower Sand Unit at well MW01A (8.4 μg/L in June 2007). The concentrations of vinyl chloride are shown to decline to the east of MW01A into the Valley Bottom of the Lower Sand Unit, toward MW03A (<0.018 μg/L in June 2007) and southeast at MW07 (0.75 μg/L in June 2007). Vinyl chloride concentration at E93D, west of MW01A, during this evaluation was 3.5 μg/L.

This distribution indicates that the concentration of vinyl chloride is declining in the immediate vicinity of the MSL due to the remedies that have been implemented there. This is consistent with the vinyl chloride concentrations declining through time at well P64C (see Figure 23) since about January 1997 and at well E93D (see Figure 23) since about January 2002. It is very likely that similar declines at points further downgradient from these locations will follow in the future.

Similar spatial and time concentration trends in vinyl chloride are shown in the Upper Sand Unit and the Lower Sand Unit near the OFA of the MSL. Vinyl chloride concentrations in wells E135A (0.51 μg/L), E135B (0.17 μg/L), and E137B (0.44 μg/L) are currently slightly below to just above the ES of 0.2 μg/L. Further into the Valley Bottom of the Lower Sand (MW07), the vinyl chloride is 0.75 μg/L. This distribution again indicates that the concentration is declining due to the remedies that have been implemented at the MSL.

This distribution is consistent with the time concentration trend in vinyl chloride shown on Figure 22 for these wells. At well E137B, the vinyl chloride concentration has declined from 2 μg/L in 1994 to the 0.44 μg/L in July 2007. The time concentration trend in vinyl chloride at wells E135A and E135B appears to be declining, as well.

As described in Subsection 3.4.2, groundwater flow between the flow to the East Valley Bottom and the flow to the southwest is a stagnation ridge (described on Figure 17 as the

area within the 811 contour line south of Janesville Road). This area is characterized by very flat groundwater gradients, with flow tending to be toward the Valley Bottom or the southwest. The groundwater gradient at the southern tip of the stagnation ridge increases to the south.

The groundwater at well nest E135 appears to migrate to the southwest, likely south of well PZ_Moose. The VOCs present in well PZ_Moose (PCE; TCE; and cis-1,2-DCE, but no vinyl chloride) indicate that the VOCs are more characteristic of parent compounds, with little degradation. VOCs at well nest E135 are more representative of degraded compounds (containing primarily cis-1,2-DCE and vinyl chloride). These constituents (i.e., those at E135) are similar to the VOCs present at well MW15A.

The recent detection of vinyl chloride at PW-42 (Mitsch) by the EPA in July 2007 (0.13 µg/L) has not been confirmed and is also below the ES. The historical sampling at PW-42 (Mitsch) had shown no prior detections of vinyl chloride, although these prior analyses had higher detection limits (0.3 µg/L in 1999 and 0.4 µg/L by the EPA in 2006). Therefore, the new detection is not an indication of increasing concentrations.

Vinyl chloride is present at some wells within the groundwater stagnation ridge (shown on Figure 17 as the area within the 811 contour south of Janesville Road) and not others. For example, MW05 had vinyl chloride present in 2006 and 2007 sampling, whereas PZ_Dyer, also screened in the Lower Sand Unit, has not detected vinyl chloride. Historically, certain private wells have detected vinyl chloride (e.g., PW_AVitrano), whereas others (e.g., PW_Loppnow) have not.

The presence of vinyl chloride at MW17A indicates that some groundwater and vinyl chloride migration is moving from this stagnation ridge to the north through the Lower Sand Unit or upper bedrock into the East Valley Bottom. No VOCs have been detected at well MW06.

In summary, the data indicate that vinyl chloride in the Upper Sand Unit

- is limited to the extent of the Upper Sand Unit to the south (see the line showing the extent of Upper Sand Unit on Figures 14, 15, 16, or 24), and
- has been detected at well MW09, but not at well MW10, the two easternmost wells in the Upper Sand Unit. The vinyl chloride concentration in the Upper Sand Unit east of the MSL in the Upper Sand ranges from 0.8 µg/L at MW01 to 0.52 µg/L at MW09, and nondetect (<0.013 µg/L) at MW10.

In summary, the data indicate that vinyl chloride concentrations in the Lower Sand Unit

- Are declining throughout the entire North Valley Wall by both time concentration graphs and areal distributions due to remedies implemented at the MSL,
- Appear to be migrating into the East Valley Bottom from the vicinity of well E137B and to the southwest from the vicinity of wells E135A and E135B,
- Extend to the South Valley Wall area, migrating to well MW15A along Crowbar Drive,
- Are present within the groundwater stagnation ridge in the South Valley Wall and Southern Plateau areas at some wells and not others, and
- Are not present to the southwest (at well nest MW13), where TCE concentrations at MW13A (1.7 µg/L in July 2007) are less than the ES and MCL.

3.8 Surface Water Analyses

Surface water sampling has been conducted at ponds located on the former Dyer, Loppnow, Fisher, and the Payne and Dolan properties. These analytical data were collected outside the scope of the EGMWP, although analytical results for pond samples collected in 2007 were analyzed using the analytical methods described in the EGMWP and QAPP. These results are summarized in Table 11.

3.8.1 Payne and Dolan Pond Sampling

As part of the 2007 summer fieldwork, three surface water ponds were surveyed at the Payne and Dolan sand and gravel pit northwest of the intersection of Crowbar Drive and Janesville Road. Surface water elevations were measured by a surveyor to understand the relative elevations between the ponds. A monument and stage gauge were installed in the southernmost pond. Water levels in this pond were then measured through time using a recording pressure transducer while recording pressure transducers were monitoring the water level in well nest MW13. Results of the surface water survey are included in Table 4.

Observations indicate that the ponds are not interconnected through surface water connections (*i.e.*, culverts under roads, etc.), but they are separated by relatively short distances of native sand and gravel material. Therefore, they are interconnected only through the subsurface. As shown in Table 4, the differences in surface water elevation are relatively small, indicating that they are reasonably well connected through the subsurface.

The results of the surface water and groundwater monitoring indicate that the ponds are at a slightly higher elevation than groundwater at MW13S and MW13A, but at a lower elevation than well E-141A. This indicates that the ponds act as groundwater flow-through ponds. During periods of rainfall, they may act as very localized recharge zones. However, the ponds receive runoff from only a small area which may also have well-drained surface soil, so runoff to the ponds is probably minimal.

The changes in pond elevation versus changes in groundwater at wells MW13S and MW13A are shown on Figure 28. This graph indicates that the pond elevation dropped at about the same rate as the two downgradient monitoring wells. The source of short time interval fluctuations in MW13A, the deep well, is not known. The depth of the well (208.5 feet) may separate it from atmospheric pressure changes, so it may be responding to barometric pressure changes.

A water sample of the southernmost pond was collected for VOC analysis. The sample was collected from a depth of approximately 12 feet below the water surface in this 25 foot deep pond. The sample showed no detectable VOCs, except for chloromethane (which is suspected to be due to the preservative and not considered to be in the pond water) and a small detect of chloroform (0.19 μg/L).

3.8.2 Dyer, Loppnow, and Fisher Ponds

Private surface water ponds south of the MSL (*i.e.*, three ponds at the former Dyer property, one at the Fisher property, and one at the Loppnow property) were sampled in August 1999, and a report on this effort was included in the EGMWP. The surface water at the Moeller property was inspected at that time, but deemed to be too shallow to sample. The sampling included single samples at the Fisher, Loppnow, and Dyer Ponds 1 and 2 due to their shallow depths. Dyer Pond 3 was sampled at multiple depths, including at the bottom of the pond. None of the analyzed VOCs were detected in the samples collected.

Four additional surface water samples from Dyer Pond 3 were collected by K. Singh and Associates in January and February 2001. Singh's samples showed no detectable concentrations of VOCs in the January samples while one of the samples from February detected cis-1,2-DCE and vinyl chloride. Based on the above, the Singh results are considered inconclusive.

3.9 Other Analytical Parameters

On June 15, 2007, groundwater samples collected at selected locations within the study area were analyzed for parameters that Panno (2006) reported had the ability to determine the

source of the water, differentiating between sources such as landfills, road salt, agricultural uses, etc. The analyses conducted included deuterium and oxygen 18 (^{18}O), which are isotopes of the hydrogen and oxygen in water, bromide, iodide, and the routine EGM sampling list of parameters. The results for the isotopes, bromide, and iodide are summarized in Table 12. The results of the isotopes were plotted on the local meteoric water line for Madison, Wisconsin, which is the closest available data (data are also included in Table 12) in order to determine whether a significant component of the water had been subjected to differentiation to be able to determine whether the water had the characteristics of a landfill (that would plot above the meteoric water line) or of surface water (that would plot below the meteoric water line). The results plot essentially on the local meteoric water line. This indicates that the water has no special signature, indicating that the majority of the water moved into the subsurface without going through a landfill or through a surface water body. The results indicate that too small a percentage of groundwater recharged through either surface water or a landfill to have a detectable effect.

The purpose for the low-level bromide and iodide analyses was also to help evaluate potential water sources. As shown in Panno (2006), a graph of the ratio of bromide/chloride versus chloride is effective in distinguishing the potential source of the chloride. The results are shown on Figure 29, indicating that all the wells fall into the range of "road salt and septic effluent" and "basin brines and animal waste" and "treated wastewater." The results plot significantly outside the "landfill leachate" range. This indicates that the majority of the observed chloride may be from sources other than the landfill, such as road salt and the rendering plant lagoons.

3.10 Vapor Intrusion

An analysis of the potential for vapor intrusion of VOCs from the groundwater was presented in the EGMWP, following the USEPA's Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (USEPA, 2002). Although USEPA stated that there is "new guidance," we understand this is still in internal USEPA review and not available. Therefore, the most recent available guidance was used. This analysis demonstrated that there was no reasonable probability that VOCs had migrated to the water table in the silty clay soil 70 feet above the Lower Sand or Upper Sand Units where VOCs may be present. Therefore, the answer to the initial question of whether VOCs were present at the water table was "no," and no further consideration was necessary.

The EGMWP stated that the possibility of soil vapor intrusion would be re-evaluated after gathering the information presented in this Report. Results of the re-analysis, combined with data collected and reported in this Report, show that there are two environments to be considered. The one area has the silty clay soil of the Oak Creek Till at the surface(i.e., east of the Oak Creek terminal moraine shown on Figure 14). The answer for this area to the initial

question of whether VOCs are present at the water table is still "no," and no further consideration is necessary. This is based on the following:

- The EGMWP analysis calculated the potential travel time as hundreds of years from the Upper or Lower Sand Unit to the water table in the silty clay soil based on a minimum thickness of silty clay soil of 70 feet and a maximum head of 3 feet above ground surface. Based on this analysis, there remains no realistic potential for migration of VOCs to the water table surface.
- This Report illustrates that the thickness of silty clay soil where the head in the Upper or the Lower Sand Units is near ground surface (i.e., in the area along Hillendale Drive) is at least 70 feet thick. The minimum thickness of silty clay soil overlying areas of the Upper or the Lower Sand Units where the potentiometric surface is within a few feet of ground surface occurs at well P64C, where 84 feet of silty clay soil overlie the Upper Sand Unit.

Because VOCs are not present at the water table in this area, the vapor intrusion pathway in this area is incomplete, and no further consideration of this potential exposure pathway in this area is warranted.

The other area to be considered is the area with sand and gravel at the surface (i.e., west of the Oak Creek terminal moraine shown on Figure 14). Reanalysis of this area, considering the data in this report, indicates the following:

- Well MW13S is at the water table and off the MSL property in an area with sand and gravel at the surface.
- The only VOC detected at well MW13S is PCE at 0.077 μg/L to 0.09 μg/L.
- The PCE at well MW13S is almost two orders of magnitude less than the USEPA's (2002) Target Groundwater Concentration in Tables 2a (5.3 μg/L), 2b (5.0 μg/L), and 2c (5.0 μg/L).

Therefore, since the PCE concentration does not appear to pose a risk through vapor intrusion, this pathway is incomplete, and no further consideration of this potential exposure pathway in this area is warranted.

Section 4
Conclusions

The following is a summary of the conclusions developed following completion of the activities outlined in the EGMWP dated September 2005 and updated in April 2007, with subsequent field modifications and approvals described in Subsection 1.4 of this report.

4.1 Geology and Hydrogeology

The EGMWP activities included the advancement of soil borings at several locations within the study area. The information collected during these efforts, combined with the information available from the MSL RI Report, has established a comprehensive understanding of the area stratigraphy. The following is a summary of significant points regarding the geology and hydrogeology of the study area.

- The complete geologic sequence in the study area, from top to bottom, consists primarily of the following, although each unit may not be present in all locations:
  - Oak Creek Till, upper zone
  - Upper Sand Unit
  - Oak Creek Till, lower zone
  - Lower Sand Unit
  - New Berlin Till
  - Bedrock
- Two minor and fairly localized units, the Crowbar Sand and the Crowbar Oak Creek, are present between the Lower Sand Unit and the New Berlin Till in the vicinity of wells MW15A to MW14A. These are of limited horizontal extent and do not appear to be migration pathways.
- The glacial deposits are present within a deep bedrock valley that rises steeply on its southern limb between wells MW07 and MW05.
- The New Berlin Till slopes steeply upward to the north of well MW07 and forms the north valley wall.
- A portion of the valley formed by the steeply sloping New Berlin Till to the north and the bedrock to the south was initially filled with the Lower Sand Unit, and subsequently filled with deposits from the ice advance that deposited primarily the silty clay forming the Oak Creek Till.

- The Lower Sand Unit is continuous beneath most of the study area, except at locations MW03A and MW17A, where the Oak Creek Till extends to bedrock.
- The Lower Sand Unit hydrogeology is characterized by several hydrostratigraphic units (see Figure 17), the North Valley Wall, the Valley Bottom, the South Valley Wall, and the Southern Plateau.
- The lower zone of the Oak Creek Till separating the Upper Sand Unit from the Lower Sand Unit pinches out along a line on or near the western and northwestern limits of the MSL and just west of Crowbar Drive (see Figure 14). Beyond this line, the sand units become indistinguishable.
- Interfingering of sand seams into the lower portions of the Oak Creek Till, just above the Lower Sand, occurs along the North Valley Wall. This interfingering results in thin sand seams extending a short distance into the Oak Creek Till, for example, the sand unit screened by well MW03A (see Figure 5).
- The Upper Sand Unit is a sand seam that extends into the Oak Creek Till, extending from the North Valley Wall on the north to a short distance south of the MSL (as shown on Figure 14) terminating generally along a line from E135 to E134 to MW11A.
- Groundwater flow in the Lower Sand Unit is dominated by the groundwater low in the Valley Bottom of the Lower Sand Unit. Groundwater flow converges into the Valley Bottom from both the North Valley Wall and the South Valley Wall.
- A groundwater stagnation ridge is present south of the MSL. This is illustrated on the June 15, 2007, Lower Sand Potentiometric Map (see Figure 17) as the area south of Janesville Road between the 811 contour line.
- Groundwater gradients on this stagnation ridge are very flat. Flow from this area tends to be toward the groundwater low within the Valley Bottom or toward the southwest. The groundwater gradient at the southern tip of the stagnation ridge increases to the south.
- Groundwater flow from a majority of the MSL migrates into the Valley Bottom and then flows to the east. The remaining flow from the western portion of the MSL has a component of flow that is interpreted to move toward the southwest. Between the groundwater flowing to the east and the groundwater flowing to the southwest, there appears to be a small area that flows to the south toward MW04.
- The 2006 and 2007 Lower Sand Potentiometric Surface Maps, the CW07 response test, and available geologic data indicate that the CW07 capture zone extends principally to the north, based on the presence of the thick sand unit and drawdown at well County Park 2. Data collected to the south and west of CW07 indicate no to very limited contribution from these areas. No data exist to the east to determine the extent of any capture zone in that direction from well CW07. No data exist to determine possible groundwater contribution from the bedrock to CW07.

4.2 Water Quality

The geochemical trilinear diagram developed from the inorganic data collected as part of this investigation (Figure 21) suggests that water collected from monitoring wells within the study area comes from a minimum of three sources. One source is surficial recharge from the area of the seepage lagoons associated with the former rendering plant operations, near the northern portion of the MSL, with contributions from the landfill. Another source of water is recharge from the bedrock, or from other recharge areas not associated with or uninfluenced by the MSL. The third source of groundwater is shown to be from low-hydraulic conductivity sand seams isolated within the very low hydraulic conductivity till units.

The comparison of TAL constituents in samples collected as part of this investigation to NR 140 standards demonstrate the following:

- All of the PAL or ES exceedences for the TAL inorganic constituents, except for arsenic, iron, and manganese, are associated with high sediment content samples collected primarily from two wells. Therefore, these are not considered to be significant exceedences or as being associated with the MSL.
- Arsenic concentrations throughout the study area are shown to be consistent with, or possibly even lower than, the concentrations (for confined valley fills) contained in a USGS study (Thomas, 2003) of groundwater in Midwest glacial deposits. Therefore, the complex relationship of arsenic with redox conditions and soil mineralogy appears to be typical for the region.
- Iron and manganese are abundant in soil, and their solubilities are sensitive to redox conditions. Therefore, the presence of iron and manganese in both private wells and monitoring wells is dependent on the redox of the groundwater and the content of iron and manganese in the soil around the well as opposed to the MSL being a source of either the iron or manganese.
- Nitrate exceeded its PAL (2 mg/L) at one location (MW13S – 3 mg/L to 3.4 mg/L). The source of this nitrate is unknown, but it does not appear to be related to the MSL.

Chloride concentrations in the study area indicate the following:

- Concentrations of chloride in the Upper Sand Unit increase east of the MSL, with the peak concentration measured at well MW03.
- The chloride concentrations in the area of the Lower Sand Unit's North Valley Wall and Valley Bottom are decreasing (Figure 23).
- Using an evaluation based on the Panno (2006) study, in conjunction with the bromide data gathered within the study area, the source of chloride may not be attributable to a landfill.

The results of VOC analyses show that vinyl chloride was the only VOC to exceed an ES or MCL in the study area (including the wells located at the MSL). PCE; TCE; and cis-1,2-DCE exceed their PAL, but not their ES or MCL, in very limited portions of the study area. All other VOCs, not associated with laboratory or preservatives, are below PALs.

Data collected from monitoring wells indicate that vinyl chloride concentrations are declining at or immediately adjacent to the MSL. This is attributed to the effects of remedies implemented at the MSL, and is supported by the observed areal distribution of vinyl chloride and time-concentration graphs of this constituent.

The presence and distribution of vinyl chloride in the Upper Sand Unit is limited to the boundaries of the Upper Sand Unit to the south (see the line showing the extent of Upper Sand Unit on Figures 14, 15, 16, or 24) and has been detected at well MW09, but not at well MW10, the two easternmost wells in the Upper Sand Unit.

Vinyl chloride in the Lower Sand Unit is shown to

- be present at MW07 in the Valley Bottom, but not present further to the east at well MW10A,
- be present at MW05 in the Southern Plateau, but not present at wells PZ_Dyer or MW06,
- be present at wells MW04 and MW14A in the Southern Plateau,
- not be present to the southwest at wells MW13/13A, and
- not be present in CW07.

In the stagnation ridge area, low levels of vinyl chloride are present; however, the presence and distribution of vinyl chloride is variable.

Near the MSL (well E141A), concentrations of PCE and TCE are below the ES and MCL and are stable or decreasing. As such, these constituent concentrations cannot increase above their ES or MCL further southwest. Since PCE and TCE have not exceeded their ES close to the MSL, the PAL exceedence has served its purpose per NR 140.02(3) to "inform the department" of this condition, and monitoring should continue in this area to demonstrate continued decline in concentrations due to implementation of the SCOU.

Based on the results of the response tests on CW07, water quality at CW07 is not affected by water quality to the west or south of the well. The response tests showed little influence from CW07 on wells to the west (at well MW08A) or south (at well MW03A), compared to the north (at well County Park 2). Furthermore, water quality monitoring at well County Park 2 has shown no detectable VOCs. This is consistent with monitoring at well CW07 that has shown no

detectable VOCs of concern (detecting only chloromethane and methylene chloride which are considered lab or preservative contaminants).

At some locations (i.e., MW03A, MW04A, MW11A, and potentially MW08A), there is evidence to suggest that vinyl chloride at low concentrations may originate from the PVC well materials. MSGRG has proposed a program to the USEPA to assess this possibility.

4.3 Vapor Intrusion

The conclusion reached in the EGMWP that no further consideration was necessary regarding the potential for vapor intrusion of VOCs within the study area was confirmed by data collected and presented in this Report.

Section 5
Recommendations

Based on the information gathered to date under the EGMWP and the conclusions drawn from that information, the following recommendations are made.

5.1 Private Wells

Based on the results of this EGM Report, the monitoring of private wells in the vicinity of Woods Road and the intersection of Henneberry Drive and Crowbar Drive is recommended. In the event that VOCs attributable to the MSL are detected in a residential drinking water supply well at concentrations exceeding appropriate standards, provisions should be made to install a point of entry treatment system at that location. Subsection 5.2 contains the private well locations recommended for continued monitoring.

5.2 VOCs in Groundwater

TCE exists on the western boundary of the study area (i.e., at well MW13S/MW13A) at concentrations less than the ES and MCL with no upgradient TCE in excess of the ES. Therefore, assessment of TCE to the west is complete and monitoring should continue in this area.

VOCs in the Upper Sand Unit have not been detected at MW10. Based on the presence of vinyl chloride at MW09, a survey of potential receptors east of MW09 should be conducted.

Characterization of VOCs in the Lower Sand Unit east of well MW07 is complete through the installation and monitoring of well MW10A, which identified the presence of the Lower Sand Unit with no detectable vinyl chloride, and well MW11A, which showed no Lower Sand Unit present in that area.

The potential for VOCs in the Lower Sand Unit south of well MW14A should be assessed and characterized through sampling private wells in the vicinity of the intersection of Crowbar Drive and Henneberry Road (i.e., PW30–PW34, PW41, PW42, and PW43 shown on Figure 30).

The plan for assessment of whether some vinyl chloride may originate from some of the PVC well materials should be implemented. This plan was described in the October 1, 2007, memorandum from RMT to USEPA.

5.3 Monitoring Program

The monitoring program for the MSL should be modified to include semiannual sampling of the following wells:

- MW07 to monitor VOCs in the Lower Sand Unit in the center of the Valley Bottom.
- MW10 and MW10A to monitor groundwater for VOCs to the east in both the Upper Sand Unit and the Lower Sand Unit in the Valley Bottom.
- MW05 and MW06 to monitor for VOCs in the Southern Plateau.
- E141A to assess VOCs southwest of the MSL.
- MW09 at the furthest east of known VOCs in the Upper Sand Unit.
- Monitoring of MW02 and MW08A as sentry wells for CW07 in Muskego Park.
- A private well monitoring program should be formalized after follow-up on these recommendations is completed. In the meantime, it is recommended that the following private wells be monitored:
  - PW29 through PW33, and PW42 (7 wells), although the owner of the well at PW33 has declined to allow access for sampling
  - Pries, Davis, Seybold, Henneberry, PW36 through PW39, although owners of wells PW38 and PW39 have repeatedly declined to allow access for sampling (8 wells)

Private wells within the study area that are not utilized for potable use (*i.e.*, Thiele, Mageske, A. Vitrano, T. Vitrano, Moeller, Sackmann, Fischer, Acker, Moose, Krabbenhoft, Gross, Ross, Halbrucker, Radtke, Aiuppa, Lago, and Makarski) should be considered for abandonment, provided well owners grant consent.

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TABLES

Table 1
Grain Size Analyses

SAMPLE ID	DEPTH (ft)	% GRAVEL	% SAND	% SILT	% CLAY	GEOLOGIC UNIT
MW01	94-99	56.3	38.5	3.3	1.9	Upper Sand
MW01A	136-141 (sand only)	55.8	41.9	1.6	0.7	Lower Sand
MW03	64	0.1	0.8	15.5	83.6	Oak Creek Till
MW03A	128-138	24.2	32.9	24.2	18.7	Oak Creek Till
MW03A	258-268	9	24.8	29.5	36.7	Oak Creek Till
MW07	158-168	0.3	0.5	24.8	74.4	Oak Creek Till
MW07	238-248	15.2	33	28.2	23.6	New Berlin Till
MW07	219-221	88.2	8.6	2.4	0.8	Lower Sand
MW09	65-74	55.9	39.5	3.6	1	Upper Sand
MW09	80-83	0	82.7	13.8	3.5	Isolated Sand
MW10	131-137	46.2	52.7	0.5	0.6	Upper Sand
MW10A	226-231	58.5	37.2	2.9	1.4	Lower Sand
MW11A	185-195 (sand only)	0.1	84.3	11.1	4.5	Isolated Sand
MW15A	83-88	0	84.8	11.4	3.8	Upper and Lower Sand
MW15A	135-145	0	30.8	41.4	27.8	Probably Oak Creek Till
MW17	85-86	2.4	73.9	16.3	7.4	Isolated Sand
MW17	87-91	0.2	50.6	39.2	10	Isolated Sand

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Table 2
Soil Total Organic Carbon

SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	RESULT (mg/kg)
SBMW01	11/1/2005	93-94	ND
SBMW01B	1/24/2006	131-138	ND
SBMW01B	1/25/2006	152-153	ND
SBMW01B	1/31/2006	260-262	ND
SBMW02	11/7/2005	85-90	ND
SBMW03	10/27/2005	73-83	4,580
SBMW04	2/23/2006	52-58	858
SBMW04	2/24/2006	59	480
DUP of SBMW04	2/24/2006	59	401
SBMW05	1/10/2006	108-118	ND
SBMW05	1/11/2006	121	1,480
SBMW05	1/11/2006	125	ND
SBMW06	1/17/2006	86-88	1,580
SBMW06	1/17/2006	88-90	ND
SBMW07S	4/17/2007	~59	56.9
SBMW07	12/9/2005	221	210
SBMW07	12/13/2005	233	1,680
SBMW08A	5/14/2007	75-80	ND
SBMW08A	4/30/2007	75-85	841
SBMW09	5/14/2007	63-68	ND
SBMW10	4/30/2007	131-136	ND
SBMW10A	4/30/2007	226-231	2,480
SBMW11A	4/17/2007	185-190	62.3
SBMW13	4/23/2007	190-192	52.7
SBMW13	4/19/2007	21-30	ND
SBMW15A	4/30/2007	83-88	372
SBMW17	4/30/2007	87-92	3,250

Note:
ND = no detect.

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Table 3
Well Details

WELL ID	NORTHING[2]	EASTING[2]	GROUND[3]	TOP OF PVC[3]	TOP OF SCREEN	BOTTOM OF SCREEN	SCREENED GEOLOGIC UNIT
MW01	330900.9	2489238.3	827.71	830.66	733.7	728.7	Upper Sand
MW01A	330877.9	2489240.4	826.69	829.52	690.7	685.7	Lower Sand
MW01B	330887.2	2489239.5	827.21	830.53	570.2	565.2	Isolated Sand
MW02	331907.1	2488978.6	853.91	856.94	768.9	763.9	Both[1]
MW03	331389.7	2490873.40	819.27	821.64	746.3	736.3	Upper Sand
MW03A	331380.7	2490867.1	818.79	821.69	585.8	580.8	Lower Sand
MW04	327371.4	2486463.7	826.17	829.39	768.2	763.2	Both[1]
MW04A	327366.0	2486464.4	826.12	829.10	679.1	674.1	Isolated Sand
MW05	327995.3	2489298.6	811.68	814.84	689.7	684.7	Lower Sand
MW06	326094.2	2489349.0	798.97	802.10	714.0	709	Lower Sand
MW07	329528.9	2489265.1	795.80	799.21	577.8	572.8	Lower Sand
MW07S	329539.6	2489265.0	796.1	798.72	747.1	742.1	Isolated Sand
MW08A	332071.2	2490625.0	835.9	838.75	760.9	755.9	Lower Sand
MW09	331364.7	2491968.3	810.7	813.39	747.7	742.7	Upper Sand
MW10	329953.5	2491917.9	812.5	815.00	681.5	676.5	Upper Sand
MW10A	329944.3	2491919.5	812.2	814.66	586.2	581.2	Lower Sand
MW11A	328999.3	2491990.7	796.5	798.99	610.5	605.5	Isolated Sand
MW13S	328729.7	2485099.2	830.1	829.54	812.1	802.1	Both[1]
MW13A	328731.5	2485105.7	830.0	829.48	642.0	637.0	Both[1]
MW14A	326156.0	2486453.9	810.7	813.48	756.7	751.7	Both[1]
MW15A	328169.3	2486375.1	834.4	836.77	751.4	746.4	Both[1]
MW17	328834.3	2489225.3	799.7	802.63	712.7	707.7	Isolated Sand
MW17A	328844.1	2489224.9	799.1	802.04	636.1	631.1	Lower Sand/Bedrock

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Table 3 (continued)
Well Details

WELL ID	NORTHING[2]	EASTING[2]	GROUND[3]	TOP OF PVC[3]	TOP OF SCREEN	BOTTOM OF SCREEN	SCREENED GEOLOGIC UNIT
County Park 2	332714.8	2491182.6	NM	859.04	677.0	670.04	Lower Sand
CW07	332048.0	249163.8	NM	NM	600.0	570	Lower Sand
E93D	330765.0	2488010.0	830.60	833.28	745.0	739.6	Lower Sand
E135A	329246.4	2486881.3	848.10	850.54	808.5	797.7	Both[1]
E135B	329246.0	2486867.0	848.10	850.78	777.0	765.6	Both[1]
E137A	329751.7	2487312.7	850.20	834.79	802.5	791.7	Both[1]
E137B	329878.0	2487158.0	850.00	834.79	744.2	738.8	Both[1]
P64C	330571.0	2488394.0	817.20	820.37	703.4	698.1	Lower Sand
Thiele	33111.4	249076.9	NM	NM	738	737	Upper Sand
Seybold	33003.7	249175.1	NM	NM	550	525	Bedrock

Note:

[1] Screened in zone where Upper and Lower Sand Units are not separated by silty clay of the Oak Creek Till.

[2] Coordinates are Wisconsin State Plane South Zone.

[3] Elevation is NAD27.

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Table 4
Water Elevation Measurements

NAME	NORTHING	EASTING	TOP OF CASING	DEPTH TO WATER (feet) (5/5/06)	WATER ELEVATION (feet M.S.L.) (5/5/06)	DEPTH TO WATER (feet) (5/26/06)	WATER ELEVATION (feet M.S.L.) (5/26/06)	DEPTH TO WATER (feet) (6/26/06)	WATER ELEVATION (feet M.S.L.) (6/26/06)	DEPTH TO WATER (feet) (5/15/07)	WATER ELEVATION (feet M.S.L.) (5/15/07)	DEPTH TO WATER (feet) (6/4/07)	WATER ELEVATION (feet M.S.L.) (6/4/07)	DEPTH TO WATER (feet) (6/8/07)	WATER ELEVATION (feet M.S.L.) (6/8/07)	DEPTH TO WATER (feet) (6/15/07)	WATER ELEVATION (feet M.S.L.) (6/15/07)	DEPTH TO WATER (feet) (7/6/07)	WATER ELEVATION (feet M.S.L.) (7/6/07)
E048	331430	2486512	856.48	NM	NM	NM	NM	45.59	810.89	42.42	814.06	NM	NM	43.07	813.41	43.23	813.25	44.13	812.35
E052P	331430	2486512	857.22	NM	NM	46.41	810.81	46.50	810.72	41.86	815.36	NM	NM	42.02	815.20	42.31	814.91	42.71	814.51
E055	332200	2486499	862.58	NM	NM	47.78	814.80	48.39	814.19	43.57	819.01	NM	NM	45.74	816.84	45.89	816.69	47.62	814.96
E087	332283	2487368	861.25	NM	NM	27.49	833.76	28.38	832.87	27.85	833.40	NM	NM	28.86	832.39	28.86	832.39	29.22	832.03
E090	331779	2486821	858.13	NM	NM	44.03	814.10	44.51	813.62	39.9	818.23	NM	NM	42.19	815.94	42.35	815.78	43.89	814.24
E091A	331221	2486219	854.55	NM	NM	43.86	810.69	43.86	810.69	41.16	813.39	NM	NM	41.48	813.07	41.64	812.91	42.47	812.08
E092	331035	2487686	839.18	29.84	809.34	29.37	809.81	29.31	809.87	27.02	812.16	NM	NM	27.18	812.00	27.22	811.96	28.08	811.10
E092A	331035	2487686	839.03	29.89	809.14	29.20	809.83	29.37	809.66	27.05	811.98	NM	NM	27.24	811.79	27.37	811.66	28.12	810.91
E092P	331035	2487686	839.35	29.96	809.39	29.47	809.88	29.45	809.90	27.14	812.21	NM	NM	27.32	812.03	27.43	811.92	28.19	811.16
E093	330765	2488010	833.62	6.45	827.17	6.65	826.97	6.68	826.94	6.6	827.02	NM	NM	8.34	825.28	9.13	824.49	10.27	823.35
E093D	330765	2488010	833.28	24.01	809.27	23.53	809.75	23.50	809.78	21.19	812.09	NM	NM	21.34	811.94	21.52	811.76	22.28	811.00
E093P	330765	2488010	833.97	24.59	809.38	24.11	809.86	24.07	809.90	21.78	812.19	NM	NM	21.93	812.04	22.07	811.90	22.83	811.14
E094	330263	2488015	822.93	11.58	811.35	11.16	811.77	11.98	810.95	12.08	810.85	NM	NM	11.84	811.09	12.64	810.29	12.93	810.00
E094P	330263	2488015	822.28	13.10	809.18	12.63	809.65	12.58	809.70	10.32	811.96	NM	NM	10.85	811.43	10.60	811.68	11.37	810.91
E095	329934	2486822	833.54	24.30	809.24	23.82	809.72	23.60	809.94	21.61	811.93	NM	NM	21.67	811.87	21.85	811.69	22.56	810.98
E095P	329934	2486822	833.85	24.67	809.18	24.17	809.68	24.13		21.92	811.93	NM	NM	22.02	811.83	22.20	811.65	22.93	810.92
E096	329559	2486878	842.43	33.64	808.79	33.20	809.23	32.96	809.47	31.09	811.34	NM	NM	31.09	811.34	31.18	811.25	31.95	810.48
E096P	329559	2486878	844.87	35.72	809.15	35.26	809.61	35.23	809.64	33.03	811.84	NM	NM	33.13	811.74	33.34	811.53	34.04	810.83
E098	332340	2487989	889.07	NM	NM	16.84	872.23	18.17	870.90	17.36	871.71	NM	NM	18.53	870.54	18.67	870.40	19.78	869.29
E099A	332015	2487994	871.84	NM	NM	38.01	833.83	38.83	833.01	38.44	833.40	NM	NM	39.02	832.82	39.13	832.71	39.65	832.19
E100	331734	2487965	870.88	6.66	864.22	6.48	864.40	9.93	860.95	8.11	862.77	NM	NM	8.85	862.03	9.58	861.30	11.69	859.19
E100A	331734	2487965	872.60	63.19	809.41	62.83	809.77	62.78	809.82	50.07	822.53	NM	NM	60.47	812.13	60.53	812.07	61.26	811.34
E101A	331719	2487794	856.45	NM	NM	45.83	810.62	44.70	811.75	41.13	815.32	NM	NM	42.13	814.32	42.51	813.94	43.42	813.03
E101R	331719	2487794	856.44	NM	NM	10.79	845.65	10.33	846.11	9.39	847.05	NM	NM	8.21	848.23	7.73	848.71	6.81	849.63
E102	331842	2487630	855.49	NM	NM	3.03	852.46	6.76	848.73	5.3	850.19	NM	NM	6.58	848.91	7.23	848.26	8.66	846.83
E102A	331842	2487630	855.69	NM	NM	43.07	812.62	43.20	812.49	39.21	816.48	NM	NM	40.61	815.08	40.87	814.82	42.05	813.64
E104	331520	2487957	855.02	NM	NM	45.53	809.49	45.07	809.95	42.63	812.39	NM	NM	42.88	812.14	43.01	812.01	43.77	811.25
E135A	329246	2486867	850.54	41.52	809.02	40.99	809.55	41.00	809.54	38.93	811.61	38.98	811.56	38.91	811.63	39.14	811.40	39.84	810.70
E135B	329246	2486867	850.78	41.59	809.19	41.11	809.67	41.07	809.71	38.99	811.79	NM	NM	38.98	811.80	39.22	811.56	39.91	810.87
E137A	329878	2487158	834.79	25.57	809.22	25.10	809.69	25.08	809.71	22.89	811.90	NM	NM	22.96	811.83	23.16	811.63	23.87	810.92
E137B	329878	2487158	834.79	25.59	809.20	25.17	809.62	25.14	809.65	22.99	811.80	NM	NM	23.05	811.74	23.24	811.55	23.89	810.90
E138A	329816	2486473	838.20	28.71	809.49	NM	NM	NM	NM	NM	NM	NM	NM	26.16	812.04	NM	NM	NM	NM
E138B	329816	2486473	838.22	28.90	809.32	NM	NM	NM	NM	NM	NM	NM	NM	26.24	811.98	NM	NM	NM	NM
E140	331866	2487469	856.34	NM	NM	43.13	813.21	43.23	813.11	38.83	817.51	NM	NM	40.48	815.86	40.85	815.49	42.1	814.24
E141A	330502	2486150	842.43	NM	NM	33.02	809.41	32.97	809.46	30.74	811.69	30.88	811.55	30.84	811.59	30.90	811.53	31.73	810.70
E141B	330502	2486150	842.40	NM	NM	32.98	809.42	32.94	809.46	30.79	811.61	NM	NM	30.78	811.62	30.97	811.43	31.7	810.70
MW01	330901	2489238	830.66	21.96	808.70	21.59	809.07	21.59	809.07	19.52	811.14	NM	NM	19.52	811.14	19.74	810.92	20.41	810.25
MW01A	330878	2489240	829.52	20.94	808.58	20.49	809.03	20.49	809.03	18.32	811.20	NM	NM	18.38	811.14	18.57	810.95	19.29	810.23
MW01B	330887	2489240	830.53	21.97	808.56	22.47	808.06	21.46	809.07	19.17	811.36	NM	NM	19.23	811.30	19.42	811.11	20.15	810.38
MW02	331907	2488979	856.94	48.23	808.71	47.80	809.14	47.74	809.20	45.37	811.57	NM	NM	45.57	811.37	45.70	811.24	46.44	810.50
MW03	331390	2490873	821.64	13.23	808.41	12.79	808.85	12.80	808.84	10.51	811.13	NM	NM	10.61	811.03	11.75	809.89	11.54	810.10

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Table 4 (continued)
Water Elevation Measurements

NAME	NORTHING	EASTING	TOP OF CASING	DEPTH TO WATER (feet) (5/5/06)	WATER ELEVATION (feet M.S.L.) (5/5/06)	DEPTH TO WATER (feet) (5/26/06)	WATER ELEVATION (feet M.S.L.) (5/26/06)	DEPTH TO WATER (feet) (6/26/06)	WATER ELEVATION (feet M.S.L.) (6/26/06)	DEPTH TO WATER (feet) (5/15/07)	WATER ELEVATION (feet M.S.L.) (5/15/07)	DEPTH TO WATER (feet) (6/4/07)	WATER ELEVATION (feet M.S.L.) (6/4/07)	DEPTH TO WATER (feet) (6/8/07)	WATER ELEVATION (feet M.S.L.) (6/8/07)	DEPTH TO WATER (feet) (6/15/07)	WATER ELEVATION (feet M.S.L.) (6/15/07)	DEPTH TO WATER (feet) (7/6/07)	WATER ELEVATION (feet M.S.L.) (7/6/07)
MW03A	331381	2490867	821.69	18.29	803.40	19.51	802.18	20.66	801.03	14.38	807.31	NM	NM	13.23	808.46	12.76	808.93	14.94	806.75
MW04	327371	2486464	829.39	20.84	808.55	20.31	809.08	20.39	809.00	18.44	810.95	NM	NM	18.35	811.04	18.58	810.81	19.3	810.09
MW04A	327366	2486464	829.10	26.39	802.71	23.54	805.56	23.49	805.61	21.05	808.05	NM	NM	23.63	805.47	22.80	806.30	21.77	807.33
MW05	327998	2489299	814.84	6.17	808.67	5.68	809.16	5.66	809.18	3.46	811.38	NM	NM	NM	NM	3.60	811.24	4.46	810.38
MW06	326094	2489349	802.10	-3.27	805.37	-3.78	805.88	-3.45	805.55	-5.74	807.84	NM	NM	-8.24	810.34	-5.52	807.62	-4.86	806.96
MW07	329529	2489265	799.21	-5.62	804.83	-5.97	805.18	-5.59	804.80	-7.64	806.85	NM	NM	-9.58	808.79	-6.92	806.13	-6.23	805.44
P064C	330571	2488394	820.37	12.33	808.04	11.85	808.52	11.84	808.53	9.65	810.72	NM	NM	9.67	810.70	9.91	810.46	10.66	809.71
P067A	330079	2486177	838.60	29.40	809.20	28.89	809.71	28.87	809.73	26.68	811.92	NM	NM	NM	NM	26.86	811.74	27.63	810.97
P067B	330079	2486177	842.02	32.78	809.24	32.28	809.74	32.24	809.78	30.12	811.90	NM	NM	NM	NM	30.33	811.69	30.97	811.05
TW62	331079	2487935	840.16	NM	NM	30.46	809.70	30.42	809.74	28.01	812.15	NM	NM	28.24	811.92	28.52	811.64	29.28	810.88
TW70	331515	2487609	849.42	39.95	809.47	39.50	809.92	39.43	809.99	36.96	812.46	NM	NM	37.24	812.18	37.37	812.05	38.14	811.28
TW74R	332332	2487665	864.38	NM	NM	17.10	847.28	17.18	847.20	16.98	847.40	NM	NM	16.97	847.41	17.06	847.32	17.17	847.21
MW07S	329540	2489265	798.72	NM	NM	NM	NM	NM	NM	-0.05	798.77	NM	NM	-1.78	800.50	-3.93	802.65	-3.44	802.16
MW08A	332071	2490625	838.75	NM	NM	NM	NM	NM	NM	27.28	811.47	NM	NM	27.37	811.38	27.58	811.17	28.3	810.45
MW09	331365	2491968	813.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.12	811.27	2.33	811.06	3.05	810.34
MW10	329954	2491918	815.00	NM	NM	NM	NM	NM	NM	14.46	800.54	NM	NM	14.33	800.67	14.69	800.31	15.69	799.31
MW10A	329944	2491920	814.66	NM	NM	NM	NM	NM	NM	16.14	798.52	NM	NM	16.08	798.58	16.41	798.25	17.28	797.38
MW11A	328999	2491991	798.99	NM	NM	NM	NM	NM	NM	11.23	787.76	NM	NM	9.61	789.38	9.46	789.53	9.30	789.69
MW13A	328732	2485106	829.48	NM	NM	NM	NM	NM	NM	18.84	810.64	18.77	810.71	(1)	(1)	19.02	810.46	19.75	809.73
MW13S	328730	2485099	829.54	NM	NM	NM	NM	NM	NM	18.96	810.58	18.85	810.69	18.85	810.69	19.08	810.46	19.83	809.71
MW14A	326156	2486454	813.48	NM	NM	NM	NM	NM	NM	2.57	810.91	NM	NM	NM	NM	6.38	807.10	3.30	810.18
MW15A	328169	2486375	836.77	NM	NM	NM	NM	NM	NM	25.68	811.09	NM	NM	25.63	811.14	25.85	810.92	26.54	810.23
MW17	328834	2489225	802.63	NM	NM	NM	NM	NM	NM	0.12	802.51	NM	NM	NM	NM	0.07	802.56	0.12(2)	802.51(2)
MW17A	328844	2489225	802.04	NM	NM	NM	NM	NM	NM	-8.88	810.92	NM	NM	-11.21	813.25	-8.95	810.99	-8.29	810.33
PZMoose	329023	2486497.9	846.29	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	35.01	811.28	35.23	811.06	NM	NM
MWDyer	328494.2	2488948.90	812.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.05	807.77	6.78	806.04	NM	NM
PZDyer	328494.1	2488944.20	812.78	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.55	811.23	1.61	811.17	NM	NM
PZMoeller	329573.2	2488177.8	803.06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	(3)	(3)	-4.2(3)(4)	(3)(4)	NM	NM
PZStagecoach	329622.8	2488099.6	823.14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.79	811.35	12.03	811.11	NM	NM
County Park 2	332714.80	2491182.60	859.04	NM	NM	NM	NM	53.18	805.86	NM	NM	NM	NM	NM	NM	49.72	809.32	51.22	807.82
SG01(5)	329066.30	2484685.9	812.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1.42	810.30
Payne and Dolan East Pond	329069	2484689.4		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM		809.99(6)
Payne and Dolan Middle Pond	329128	2484631.5		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM		808.56(6)
Payne and Dolan West Pond	329307.1	2483714.2		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM		809.93(6)

Notes:

(1) The depth to water was recorded erroneously. Therefore, no water elevation is presented for this well.

(2) The elevation of water was estimated at 0.12 ft above the top of casing.

(3) The PZ_Moeller water level measured on June 8, 2007, is not reliable due to a break in the casing.

(4) The PZ_Moeller June 15, 2007, water level is above ground surface, but the well has not been resurveyed since it was repaired.

(5) SG01 is in East pond in Payne and Dolan sand gravel pit. Nearby benchmark (3/4" rebar with yellow cap) 329089 N and 2484686E, Elevation = 812.78

(6) The Payne and Dolan pond survey and water levels completed on July 13, 2007.

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Table 5
Summary of Hydraulic Conductivity Tests and Estimated Groundwater Velocities

WELL ID	HYDRAULIC CONDUCTIVITY (cm/sec)	ANALYSIS METHOD	SCREENED GEOLOGIC UNIT
MW01	8.7×10^{-2}	Butler-Zhan (2004)	Upper Sand
MW01A	4.3×10^{-2}	Butler (1998)	Lower Sand
MW01B	1.3×10^{-3}	Bouwer-Rice (1976)	Isolated Sand
MW02	7.2×10^{-3}	Bouwer-Rice (1976)	Both(2)
MW03	5.4×10^{-2}	Butler (1998)	Upper Sand
MW03A	2×10^{-6}	Bouwer-Rice (1976)	Lower Sand
MW04	2.5×10^{-3}	Bouwer-Rice (1976)	Both(2)
MW04A	1.11×10^{-5}	Bouwer-Rice (1976)	Isolated Sand
MW05	4.2×10^{-2}	Butler (1998)	Lower Sand
MW06	5.8×10^{-3}	Bouwer-Rice (1976)	Lower Sand
MW07	1.4×10^{-2}	Bouwer-Rice (1976)	Lower Sand
MW07S	1.6×10^{-5}	Bouwer-Rice (1976)	Isolated Sand
MW08A	2.4×10^{-2}	Butler (1998)	Both(2)
MW09	4.5×10^{-2}	Bouwer-Rice (1976)	Upper Sand
MW10	4.4×10^{-2}	Butler (1998)	Upper Sand
MW10A	3.4×10^{-2}	Butler (1998)	Lower Sand
MW11A	5.8×10^{-4}	Bouwer-Rice (1976)	Isolated Sand
MW13S(1)	5.7×10^{-3}	Bouwer-Rice (1976)	Both(2)
MW13A	2.1×10^{-2}	Springer-Gelhar (1991)	Both(2)
MW14A	3.8×10^{-3}	Bouwer-Rice (1976)	Both(2)
MW15A	3.1×10^{-2}	Bouwer-Rice (1976)	Both(2)
MW17	2.1×10^{-4}	Bouwer-Rice (1976)	Isolated Sand

Hydraulic Conductivity Summaries

	Upper Sand Unit		Lower Sand Unit		Isolated Sand Seams
	Upper only	Upper & Both	Lower only	Lower & Both	
Minimum	4.40E-02	2.50E-03	5.80E-03	2.50E-03	1.60E-05
Maximum	8.70E-02	8.70E-02	4.30E-02	4.30E-02	1.30E-03
Average	5.75E-02	2.96E-02	2.78E-02	1.95E-02	5.27E-04

Estimated Groundwater Velocities[6]

	Hydraulic Conductivity (cm/s)	Gradient[3&4]	Porosity[4]	Velocity (cm/s)	Velocity (ft/day)
Upper Sand Unit	5.75E-02	0.00005	0.3	9.58E-06	0.03
Upper Sand Unit	5.75E-02	0.001	0.3	1.92E-04	0.54
Lower Sand Unit Eastern Flow Line	2.78E-02	0.0006	0.3	5.55E-05	0.16
Lower Sand Unit E94P to MW07	2.78E-02	0.0036	0.3	3.33E-04	0.94
Isolated Sand Units	5.27E-04	0.0013	0.3	2.28E-06	0.01

Note:

1. Value for hydraulic conductivity is not reliable because test did not create sufficient drawdown.
2. Both - Upper and Lower Sand are not separated at this location.
3. Gradients are perpendicular to contour lines in areas shown in left column.
4. Gradient in isolated sand units not defined. Used average gradient of continuous sand units as an arbitrary measure.
5. Porosity based on published estimate for sand and gravel.
6. Estimated Groundwater Velocities based on gradient measured perpendicular to contours on the appropriate June 15, 2007 potentiometric map in vicinity of wells noted.

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Table 6
Private Well Survey

LOCATION IDENTIFIER	ADDRESS	CITY SUPPLY CONNECTED FOR POTABLE USE	PRIVATE WELL POTABLE USE	PRIVATE WELL RETAINED BUT NOT CONNECTED FOR POTABLE USE	FORMER PRIVATE WELL ABANDONED	CURRENT OWNER[1]	2004 TAX ID	METER INSTALLATION DATE	DATE CONNECTED BASED ON COMMUNICATION WITH CITY OF MUSKEGO WATER DEPT.[3]	1995 WELL PERMIT	2000 WELL PERMIT	JULY 30, 1986, ASSESSMENT ROLL[2]	DISTANCE FROM EDGE OF NEAREST FILL AREA (ft)
PW-16	W204 S8164 Pasadena Drive	X		X		Katherine Halbrucker	MSKC2229064		Connected in 2000				2600
Thiele	S83 W20342 Janesville Road	X		X		Kenneth Thiele	MSKC2227991	3/18/1992		1995 Permit		Yes	2850
Pet Supply	S83 W20411-83 Janesville Road	X			X	Rozman Investments LLC	MSKC2232998	2/8/2000		1995 Permit		Yes	2250
PW-D	S83 W20605 Janesville Road	NA[4]				John Burg	---	NA[4]	Vacant Lot				
PW-D	S83 W20607 Janesville Road	X				Edgewood Contractors Inc.	MSKC2232980	9/23/2002	Original 1986 a.			Yes	
PW-E	S83 W20618 Janesville Road	X				Genevieve Krabbenhoft	MSKC2232997	2/14/2001	11/3/1987 b.	1995 Permit	2000 Permit	Yes	
PW-M	S83 W20671 Janesville Road	X				Kristopher & Julia Mageske	MSKC2232993	9/9/2002	9/9/2002 b.	1995 Permit	2000 Permit	Yes	1680
PW-M	S83 W20703 Janesville Road	X				Robert and Patricia Sodemann	MSKC2232992	9/23/1992				Yes	
PW-F	S83 W20702 Janesville Road	X		X		Greg Pasky & Alison Wilson	MSKC2232995	2/13/2001	1/27/1988 b.			Yes	
PW-J	S83 W20729 Janesville Road	X		X		John & Debra Jakubiak	MSKC2232991	12/6/2000	Original 1986 a.			Yes	
PW-N	S83 W20765 Janesville Road	X		X		Terrence and Colleen Sullivan	MSKC2232990	1/30/1997	7/10/1990				
PW-I	S83 W20778 Janesville Road	X		X		Muskego Apostolic Tabernacle	MSKC2232978	1/24/2001	10/6/1987			Yes	
PW-10	S84 W20858 Janesville Road	X				Anthony Knapp	MSKC2232989002		6/1/1993			Yes	
	S84 W20884 Janesville Road	X				Timothy & Jean Galten	MSKC2232989001	11/20/1988					
PW-9	S84 W20938 Janesville Road	X		X		Arthur Zangerle (house & shop)	MSKC2232988	2/23/2001	1/13/1988 (shop not connected)	1995 Permit	2000 Permit	Yes	770
PW-8	S85 W21175 Janesville Road	X				Bonnie Acker	MSKC2232984	5/19/1993	5/19/1993 b.	1995 Permit		Yes	
PW-6	S85 W21364 Janesville Road	X			X see RI Table 12	WMWI	MSKC2231997	5/14/1993	Connected to PW27 - WMWI deep well prior to 1986			Yes	
PW-27	S85 W21364 Janesville Road	NA[4]				WMWI Well Replacing PW-4, PW-5, PW-6	MSKC2231997	5/14/1993				Yes	
PW-5	S85 W21412 Janesville Road	X			X see RI Table 12	WMWI	MSKC2231993	5/5/1993	Connected to PW27 - WMWI deep well prior to 1986			Yes	
PW-4	S85 W21531 Janesville Road	X		X		Landvest Development / Camille Realty	MSKC2231998	1/22/1999	Connected to PW27 - WMWI deep well prior to 1986. Probably connected to city water the same time as PW05 & PW06 (May 1993).			Yes	
PW-2	S86 W21693 Janesville Road	X		X		Muskego Moose Lodge 1057	MSKC2231995		10/7/1987 b.			Yes	1100
PW-3	S86 W21695 Janesville Road	NA[4]			X see RI Table 12	Possible well near horseshoe pits - Moose Lodge	---	NA[4]					
PW-20	S84 W21158 Wauer Lane	NA[4]		X		WMWI	MSKC2230998	NA[4]					
	S86 W19598 Woods Road	X				Eva Marie Pierzchalski	MSKC2228996	10/4/1996					
	W199 S8334 Woods Road	X				Barbara Roohr	MSKC2227998	11/11/1996	Connected when built				
	W199 S8340 Woods Road	X			X[5]	Andrew Konkel	MSKC2227997	4/24/1992					
	W199 S8370 Woods Road	X		X		David and Cynthia Lago	MSKC2227996	6/25/1991					
	W199 S8388 Woods Road	X		?		David Hakala	MSKC2227995	11/3/1992					
	W199 S8436 Woods Road	X		X		John and Susan Makarski	MSKC2227992	10/28/1991		1995 Permit			
	W199 S8514 Woods Road	X				Thomas & Sandra Lewis	MSKC2227988006	6/7/1993	Connected when built				
	W199 S8526 Woods Road	X				Richard & Audry Vernier	MSKC2227988007	5/22/1996	Connected when built				
	W199 S8538 Woods Road	X				Thomas & Rhonda Pelk	MSKC2227003	5/8/1996	Connected when built				
	W199 S8538 Woods Road	X				John & Celeste Mauritz	MSKC2227988008	8/5/1999	Connected when built				
		X				James & Leslie Hayes	MSKC2227989005	12/22/1997	Connected when built				
	W199 S8618 Woods Road	X				Edwin & Barbara Domurat	MSKC2227004	12/28/1995	Connected when built				
PW-35	S86 W19792 Woods Road		X			Jeffrey & Rebecca Paape	MSKC2227985						4800

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Table 6 (continued)
Private Well Survey

LOCATION IDENTIFIER	ADDRESS	CITY SUPPLY CONNECTED FOR POTABLE USE	PRIVATE WELL POTABLE USE	PRIVATE WELL RETAINED BUT NOT CONNECTED FOR POTABLE USE	FORMER PRIVATE WELL ABANDONED	CURRENT OWNER[1]	2004 TAX ID	METER INSTALLATION DATE	DATE CONNECTED BASED ON COMMUNICATION WITH CITY OF MUSKEGO WATER DEPT.[3]	1995 WELL PERMIT	2000 WELL PERMIT	JULY 30, 1986, ASSESSMENT ROLL[2]	DISTANCE FROM EDGE OF NEAREST FILL AREA (ft)
	S86W19756 Woods Road	NA[4]				Matthew & Juliane Michala	MSKC2227985001	NA[4]	Vacant Lot				
PW-36	S86W19756 Woods Road		X			Matthew & Juliane Michala	MSKC2227985002						5090
PW-37	W196S8672 Woods Road		X			Josepth and Nancy Bishop Trust	MSKC2227987						5200
	W199 S8624 Woods Road	X				Robert Travers	MSKC2227988003	1/14/2003	Connected when built				
	W200 S8357 Woods Road	X				Robert & Sally Schroeder	MSKC2227988011	5/19/1994	Connected when built				
	W200 S8357 Woods Road	X				Mike and Patti Tenvooren	MSKC2227988	1/30/1995	Connected when built				
	W200 S8403 Woods Road	X				Sharon Schroeder	MSKC2227988012	3/30/1998	Connected when built				
	W200 S8425 Woods Road	X				Kurt & Tanya Schachner	MSKC2227988016	8/22/2000	Connected when built				
	W200 S8443 Woods Road	X				Robert & Wendy Bartz	MSKC2227988014	1/15/1999	Connected when built				
	W200 S8467 Woods Road	X				Micheal Dassow & Judith Peters	MSKC2227988015	2/9/1995	Connected when built				
	W200 S8511 Woods Road	X				Lee and Diance Luedke	MSKC2227989009	1/27/1999	Connected when built				
	W200 S8533 Woods Road	X		X		Robin Radtke	MSKC2227989007	6/25/1992					
	W200 S8559 Woods Road	X				Mike and Kathleen Hanrahan	MSKC2227989003	5/26/1994	Connected when built				
	W200 S8577 Woods Road	X				James & Tracey Povlick	MSKC2227989002	9/5/1995	Connected when built				
	W200 S8593 Woods Road	X				Steve & Anne Kurtz	MSKC2227989001	9/21/1994	Connected when built				
Henneberry	S86 W19872 Woods Road		X			George Henneberry	MSKC2227988001						4550
PW-38	W199 S8404 Woods Road		X			Allen Spitzner	MSKC2227993			1995 Permit	2000 Permit		4000
PW-39	W199 S8466 Woods Road		X			Chester Spitzner	MSKC2227988005						4040
Seybold	W200 S8475 Woods Road		X			Edwin Seybold	MSKC2227988004			1995 Permit			3800
Moody/ Davis	W200 S8609 Woods Road		X			David and Patricia Davis	MSKC2227989006						3400
	W200 S8525 Woods Road	X				Robert & Sandra Janicek	MSKC2227989008		Connected when built a.				3870
	W207 S8208 Hillendale Drive	X			X[5]	Joan Hart	MSKC2229982002	11/13/1998				Yes	
	W207 S8222 Hillendale Drive	X				Joshua Stuhr & Kimberly Peters	MSKC2229981003	7/6/2000	Connected when built				
	W207 S8240 Hillendale Drive	X				Michael & Ava Casey	MSKC2229981004	6/30/2000	Connected when built				
	W207 S8144 Hillendale Drive	X				James and Jill Pokorny	MSKC2229987	1/12/2000	6/8/1992			Yes	
	W207 S8158 Hillendale Drive	X				Christopher and Michelle Hahn	MSKC2229986001	6/8/1992				Yes	
	W207 S8170 Hillendale Drive	X				James and Mary Blessing	MSKC2229986	5/19/1999	11/19/1993			Yes	
	W207 S8188 Hillendale Drive	X				Virginia Halbrucker	MSKC2229984	3/31/1992				Yes	
	W207 S8196 Hillendale Drive	X				Donald and Kae Squires	MSKC2229983	5/20/1992		1995 Permit	2000 Permit	Yes	
	W207 S8230 Hillendale Drive	X				Troy Mendez	MSKC2229981	11/13/1998		1995 Permit		Yes	
PW-24	W207 S8250 Hillendale Drive	X		X		Steven & Anastasia Neitzel	MSKC2229980001	3/6/2001	11/3/1987 b.			Yes	
	W207 S8262 Hillendale Drive	X				Francesco & Rosalie Aiuppa	MSKC2229979001	3/29/1994	Connected when built	1995 Permit			
PW-25	W207 S8286 Hillendale Drive	X		X		Francesco & Rosalie Aiuppa	MSKC2229979002	11/16/1987	11/16/1987 b.	1995 Permit	2000 Permit	Yes	
PW-26	W207 S8312 Hillendale Drive	X		X		Joesph & Christine Gnacinski	MSKC2232996	7/9/2002	11/13/1987 b.			Yes	
PW-G	W207 S8602 Hillendale Drive	X		X		Herbert & Jane Sackmann	MSKC2232981001	2/23/2001	Original 1986 a.			Yes	3400
PWH/Fischer	W207 S8686 Hillendale Drive	X		X		Gloria L. Fischer Trust	MSKC2227990	7/17/2003		1995 Permit			2450
T Vitrano	W207 S8710 Hillendale Drive	X		X		Thomas Vitrano	MSKC2233998	1/14/2000					
	W208 S8097 Hillendale Drive	X				Alan and Jeanette Brockman	MSKC2229994001	3/27/1997	Connected when built				
	W208 S8121 Hillendale Drive	X				Edward Rupp	MSKC2229993	10/6/1992					
	W208 S8151 Hillendale Drive	X				Robert & Nancy Czerwinski	MSKC2229992005	7/10/1992	a.			Yes	
	W208 S8253 Hillendale Drive	X				Edward & Nancy Horwath	MSKC2229990001	6/15/1995	Connected when built				
PW-13	W208 S8307 Hillendale Drive	X		X		Robert Blann & Teresa Tiedeman	MSKC2232985001	11/10/1987	11/10/1987 b.			Yes	1170
PW-12	W208 S8343 Hillendale Drive	X		X		Jay & Linda Gross	MSKC2232986	3/8/2001	11/5/1987 b.	1995 Permit	2000 Permit	Yes	1100
	W208 S8357 Hillendale Drive	X				Jon & Connie Hagen	MSKC2232986001	2/24/1995	Connected when built				
PW-11	W208 S8381 Hillendale Drive	X		X		Gerald & Loretta Schimmel	MSKC2232987	10/13/1987	10/13/1987			Yes	1200
PW-21	W208 S8481 Hillendale Drive	X		X		Thaddeus & Kathleen Bolek	MSKC2232982	2/27/2001	11/17/1987 b.	1995 Permit		Yes	1250

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Table 6 (continued)
Private Well Survey

LOCATION IDENTIFIER	ADDRESS	CITY SUPPLY CONNECTED FOR POTABLE USE	PRIVATE WELL POTABLE USE	PRIVATE WELL RETAINED BUT NOT CONNECTED FOR POTABLE USE	FORMER PRIVATE WELL ABANDONED	CURRENT OWNER[1]	2004 TAX ID	METER INSTALLATION DATE	DATE CONNECTED BASED ON COMMUNICATION WITH CITY OF MUSKEGO WATER DEPT.[3]	1995 WELL PERMIT	2000 WELL PERMIT	JULY 30, 1986, ASSESSMENT ROLL[2]	DISTANCE FROM EDGE OF NEAREST FILL AREA (ft)
PW-22	W208 S8543 Hillendale Drive	X		X		Vern & Russell Moeller	MSKC2232983	3/9/2001	Original 1986 a.	1995 Permit		Yes	1160
	W208 S8651 Hillendale Drive	X				John Sackmann	MSKC2232983001	9/19/1996	Connected when built				
A Vitrano	W208 S8861 Hillendale Drive	X		X		Anthony and Betty Vitrano	MSKC2233996	1/14/2000					
Feinauer	W207 S8916 Hillendale Drive	X		X		M Feinauer B Plaman	MSKC2233999	1/11/2000					2650
Dyer House	W208 S8903 Hillendale Drive	X			X	Robert Anderson	MSKC2233996003	11/20/2002					
Dyer Barn	W208 S8903 Hillendale Drive	X			X	Robert Anderson	MSKC2233996003	11/11/2002					
Loppnow	W208 S8905 Hillendale Drive	X			X	Patricia Davida	MSKC2233996002	12/4/2000					
	W208 S8369 Hillendale Drive	X				Anne Sawyer	MSKC2232986002	11/27/1995					
Pries	W207 S9122 Hillendale Drive		X			Barbara Pries	MSKC2236998		Not Connected				4600
PW-41	W207 S9298 Hillendale Drive		X			Brian & Heidi Martin	MSKC2236999001		Not Connected				5340
PW-15	W208 S8241 Hillendale Drive		X Offered City Water-Refused			Timothy & Roseann Knutson	MSKC2229991		Not Connected a.	1995 Permit		Yes	
PW-14	W208 S8285 Hillendale Drive		X Offered City Water-Refused			Lawerence & Carol Schmidt	MSKC2229990	Into house, capped off.	a.			Yes	1200
PW-28	W216 S8790 Crowbar Drive	X				Donald & Kathy Ross	MSKC2234998001	10/23/1989	Connected when built				
PW-1	W217 S8464 Crowbar Drive	NA[4]			X see RI Table 12	Residence Demolished - WMWI	---	NA[4]					
PW-29	W216 S9202 Crowbar Drive		X			Jack and Bernice King	MSKC2234996						4940
PW-30	W216 S9272 Crowbar Drive		X			Mark & Gina King	MSKC2234996002						5500
PW-33	W216 S9311 Crowbar Drive		Same well as PW-34			Terry Lekfield	MSKC2235998001						5750
PW-34	W216 S9321 Crowbar Drive		X			Timothy Lekfield	MSKC2235998002						5920
PW-A	W217 S8425 Crowbar Drive			X[6]		Payne and Dolan, Inc.	MSKC2230996						470
PW-51	W217 S8425 Crowbar Drive			X[7]		Payne and Dolan, Inc.	MSKC2230996						700
PW-44	S92 W20372 Henneberry Drive		X			Leslie R & Karen J Gumieny	MSKC2239998						6000
PW-43	S92 W20540 Henneberry Drive		X			Michael E & Joan B Beilfuss	MSKC2236994						5900
PW-31	S92 W21702 Henneberry Drive		X			Jack King ETAL	MSKC2235997						5530
PW-32	S92 W21872 Henneberry Drive		Same well as PW-31			Dean King	MSKC2234996001						5650
	S93 W19615 Henneberry Drive		X			Robert Draskovich	MSKC2239994						
PW-50	S93 W19675 Henneberry Drive		X			Timothy Leonard	MSKC2239995						
PW-49	S93 W19809 Henneberry Drive		X			Dale & Jodie Henneberry	MSKC2239996003						
PW-46	S93 W19918 Henneberry Drive		X			Kenneth & Sandra Peterson	MSKC2239999						
PW-48	S93 W19979 Henneberry Drive		X			John & Tricia Henneberry	MSKC2239996002						
PW-47	S93 W19989 Henneberry Drive		X			Brian & Christine Henneberry	MSKC2239996001						
PW-45	S93 W20211 Henneberry Drive		X			June Campbell	MSKC2239997002						6700
	S93 W20379 Henneberry Drive		X			Jeffrey Wieckowski	MSKC2239997001						
PW42	S93 W21183 Henneberry Drive		X			Donald & Diane Mitsch	MSKC2236993						5630
	S81 W20845 Russet Court	X				Daniel & Susan Fifield	MSKC2229992003	8/17/1999	Connected when built				
	S81 W20848 Russet Court	X				Troy & Nicole Lewan	MSKC2229992002	3/10/2000	Connected when built				
	S81 W20871 Russet Court	X				John & Jan Ihde	MSKC2229992006	1/24/2004	Connected when built				

Notes:

(1) Based on Waukesha County Tax Listing Data Warehouse in 2004 (http://www.waukeshacounty.gov/departments/register/DwTaxListing.htm).

(2) Based on September 5, 1985, document recognizing the agreement between WMWI and the City of Muskego covering installation of municipal water to given properties.

(3) Based on information from the Muskego City Water Department: a. personal communication, or b. meter inventory card, or other written information.

(4) NA = not applicable because no building on the property.

(5) Current owner does not think there is a well on the property.

(6) For truck washing only per plant manager.

(7) For sanitary use only per plant manager.

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Table 7A
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD	OXYGEN, DISSOLVED	PH, FIELD	ALKALINITY AS CACO3	CHLORIDE	COD	CYANIDE, TOTAL	FLUORIDE	HARDNESS AS CACO3, TOTAL	NITROGEN, AMMONIA	NITROGEN, NITRATE	NITROGEN, TOTAL KJELDAHL	SOLIDS, TOTAL DISSOLVED	SULFATE	TOC	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM	COBALT	COPPER
				MV	MG/L	SU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	A6049410	E017R	01/12/06			7.13	344	27.1									55											
	A6368809	E017R	04/06/06			7.2	327	25.6	< 1.1 N							475	46.1				2	77.6		< 0.05 N		0.8 J		
	A6834610	E017R	07/20/06			7.19	337	33									42.9											
	A6C57607	E017R	10/25/06			6.95	362	31.9									48.7											
	A7016110	E017R	01/05/07			7.09	351	28									53.7											
	A7385410	E017R	04/16/07			6.93	422	31.7	10.4							460	46.1				2.3	84.9		< 0.035		< 0.84		
	A7786010	E017R	07/13/07			6.84	341	25.5									45.7											
	WMI_X404	E080	01/12/06			6.97	332	8									27.1											
	WMI_X411	E080	04/06/06			8.14	298	8.8	< 1.1							406	29.8				< 0.28	22.5		< 0.05		1.4 J		
	A6834611	E080	07/20/06			7.1	309	9.6									30											
	A6C57608	E080	10/24/06			7.59	352	9.5									29.1											
	A7016111	E080	01/05/07			7.34	346	8.8									29.7											
	A7385411	E080	04/16/07			7.56	333	10.8	7.3 J							359	31.1				< 0.26	23.7		< 0.035		< 0.84		
	A7786011	E080	07/13/07			6.61	389	10.1									27											
	A6049412	E092P	01/12/06			6.75	244	64									35.8											
	A6368811	E092P	04/06/06			7.69	256	75.6	< 1.1 N							451	39.6				2.7	92.3		< 0.05 N		0.5 J		
	A6834612	E092P	07/20/06			7.54	225	71.9									36.8											
	A6C57609	E092P	10/24/06			7.38	277	77.4									36.9											
	A7016112	E092P	01/05/07			7.76	279	76.3									39.4											
	A7385412	E092P	04/16/07			7.66	319	79	7.6 J							438	39.7				2.2	86.5		< 0.035		< 0.84		
	A7786012	E092P	07/13/07			7.77	264	79.4									34											
	A6049413	E093D	01/12/06			6.9	248	194									34.1											
	A6368812	E093D	04/06/06			7.25	458	214	< 1.1 N							799	33.2				1.1	121		< 0.05 N		< 0.44 N		
	A6629205	E093D	06/02/06	-49	1.21	6.99	517	211		0.0076 J			0.013 J	< 0.05	< 1		33	2.3	49.8 J	< 0.5	1.7	123	< 0.2	< 0.2	97800	< 10	0.8 J	< 25
	A6749601	E093D	06/29/06	-69	0.61	6.75	468	218		0.0076 J			< 0.02	< 0.05	< 1		36.6	2.5	67.8 J	< 0.5	1	125	< 0.2	< 0.2	100000	< 10	< 6	< 25
	A6834613	E093D	07/20/06			7.37	443	209									39.3											
	A6B85105	E093D	10/10/06			7.44	582	206									44											
	A7016113	E093D	01/05/07			7.22	474	197									35.7											
	A7385413	E093D	04/16/07			7.08	468	186	16							786	47.7				0.67 J	111		< 0.035		< 0.84		
	A7619304	E093D	06/05/07				588	204					0.025 J	< 0.05	0.35		46	1.9	< 200	< 0.5	1.3	122	< 0.2	< 0.5	95400	< 5	2 J	< 10
	A7637101	E093D	06/07/07				565	188					0.019 J	< 0.05	0.16 J		36.8	2	< 200	< 0.5	< 5	125	< 0.2	< 0.5	98800	< 5	< 8	< 10
	A7771901	E093D	07/11/07	185	0.5	7.12	453	154					0.035	< 0.05	< 1		30.7	2							97400			
	A7786013	E093DX	07/13/07			7.13	522	153									32.3											
	A6049414	E093P	01/12/06			7.8	278	130									100											
	A6368813	E093P	04/06/06			7.49	324	143	< 1.1 N							698	109				0.68 J	92.1		< 0.05 N		< 0.44 N		
	A6834614	E093P	07/20/06			7.51	289	147									104											
	A6B85106	E093P	10/10/06			7.55	386	146									104											
	A7016114	E093P	01/05/07			7.12	315	143									99.3											
	A7385414	E093P	04/16/07			7.5	325	153	7.6 J							698	117				0.42 J	93.3		< 0.035		< 0.84		
	A7786014	E093P	07/13/07			7.08	399	89.9									108											
	A6049415	E094	01/12/06			7.2	478	261									58											
	A6368814	E094	04/06/06			7.25	479	52	< 1.1 N							636	45.6				0.34 J	116		< 0.05 N		< 0.44 N		
	A6834615	E094	07/20/06			6.89	509	357									68.5											
	A6B85107	E094	10/10/06			7.12	653	370									54.8											
	A7016115	E094	01/05/07			6.67	527	93.6									58											
	A7385415	E094	04/16/07			6.73	525	76.6	< 2.5							743	57.6				< 0.26	117		< 0.035		0.9 J		
	A7786015	E094	07/13/07			7.13	603	263									66.5											
	A6049416	E094P	01/12/06			7.9	272	68.7									172											
	A6368815	E094P	04/06/06			7.36	300	72.7	< 1.1 N							663	178				1.2	46.9		< 0.05 N		< 0.44 N		
	A6834616	E094P	07/20/06			7.52	282	76.7									189											
	A6B85108	E094P	10/10/06			7.74	385	74.7									187											
	A7016116	E094P	01/05/07			7.43	353	68.4									198											
	A7385416	E094P	04/16/07			7.22	297	69.6	5.1 J							671	178				0.71 J	47.4		< 0.035		< 0.84		
	A7786016	E094P	07/13/07			7.21	308	63									163											
	WMI_X405	E095	01/12/06			7.81	171	5.2									51											
	WMI_X412	E095	04/06/06			7.68	175	3.8	< 1.1							332	96.8				0.32 J	43.7		< 0.05		< 0.44		
	A6834617	E095	07/20/06			7.23	146	2.7									57											
	A6B85109	E095	10/10/06			7.36	252	4.9									45											
	A7016117	E095	01/05/07			7.47	193	3.3									64.4											
	A7385417	E095	04/16/07			8.32	157	4.6	< 2.5							291	64.1				< 0.26	31.5		< 0.035		< 0.84		

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD	OXYGEN, DISSOLVED	PH, FIELD	ALKALINITY AS CACO3	CHLORIDE	COD	CYANIDE, TOTAL	FLUORIDE	HARDNESS AS CACO3, TOTAL	NITROGEN, AMMONIA	NITROGEN, NITRATE	NITROGEN, TOTAL KJELDAHL	SOLIDS, TOTAL DISSOLVED	SULFATE	TOC	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM	COBALT	COPPER
				MV	MG/L	SU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	A7765502	E095	07/10/07			7.44	192	5.6									42.8											
	WMI_X406	E095P	01/12/06			7.38	311	43.7									34.7											
	WMI_X413	E095P	04/06/06			7.38	294	29.8	< 1.1							412	51.5				0.42 J	74.1		< 0.05		< 0.44		
	A6834618	E095P	07/20/06			7.34	242	23.5									45.8											
	A6B85110	E095P	10/10/06			7.45	333	25.9									46.5											
	A7016118	E095P	01/05/07			7.38	181	19.5									48.6											
	A7385418	E095P	04/16/07			7.23	242	16.4	11							314	52.8				< 0.26	51.1		< 0.035		< 0.84		
	A7765503	E095P	07/10/07			7.36	209	16									45.3											
	A6051602	E098	01/13/06			7.31	630	4.6	< 1.1 N		0.13	654																
	A6359903	E098	04/05/06			6.28	512	5.4	< 1.1 N		0.08 J	477																
	A6813603	E098	07/17/06			7.16	509	3.7	< 1.1		0.06 J	527																
	A6B69804	E098	10/06/06			7.13	547	2.5	8.3		0.04 J	534																
	A7006204	E098	01/03/07			7.02	522	2.3	9		0.06 J	581																
	A7386003	E098	04/16/07			7.22	449	3.1	< 2.5		0.08	432																
	A7785803	E098	07/13/07			7.04	471	2.3	< 2.5 N		0.12	472																
	A6051603	E099A	01/13/06			7.51	267	2.5	< 1.1 N		0.63	448																
	A6359904	E099A	04/05/06			7.15	436	0.41	< 1.1 N		0.15	344																
	A6813604	E099A	07/17/06			7.16	387	3.2	< 1.1		0.4	437																
	A6B69805	E099A	10/06/06			7.17	385	2.8	14.9		0.46	450																
	A7006205	E099A	01/03/07			7.37	297	< 0.1	< 2.5		< 0.031	388																
	A7386004	E099A	04/16/07			7.48	354	3	< 2.5		0.15	373																
	A7785804	E099A	07/13/07			7.15	383	2.7	< 2.5 N		0.39	398																
	A6359901	E100A	04/05/06			6.73	550	4	< 1.1 N		0.08 J	731																
	A6813601	E100A	07/17/06			6.89	493	4.4	< 1.1		0.1 J	675																
	A6B69802	E100A	10/06/06			7.05	667	3.8	7		< 0.031	704																
	A7006202	E100A	01/03/07			7.12	513	4	< 2.5		0.06 J	627																
	A7386001	E100A	04/16/07			7.28	511	3.6	2.9 J		< 0.017	617																
	A7785801	E100A	07/13/07			6.81	511	3.2	< 2.5 N		0.05 J	666																
	A6359902	E101A	04/05/06			7.26	332	9.6	< 1.1 N		0.29	413																
	A6813602	E101A	07/17/06			6.79	656	6.6	23.9		0.16	722																
	A6B69803	E101A	10/06/06			7.45	296	11	35.8		0.42	280																
	A7006203	E101A	01/03/07			7.06	248	7.7	27.3		0.11	290																
	A7386002	E101A	04/16/07			6.92	419	7.7	14.7		0.15	513																
	A7785802	E101A	07/13/07			6.7	403	4.1	13.1		0.15	472																
	A7010901	E102A	01/04/07						10		0.16	558																
	A7011101	E102A	01/04/07			6.85	461	27.5									63.2											
	A7385701	E102A	04/16/07			6.54	504	30.3	14.1							698	98.5				2.8	87		0.042 J		< 0.84		
	A7386101	E102A	04/16/07								0.13	623																
	A7786101	E102A	07/13/07						12.7		0.16	461																
	A7786002	E102AX	07/13/07			6.67	450	12.6									31.5											
	WMI_X399	E123B	01/12/06			7.54	238	65.2									37.3											
	WMI_X407	E123B	04/06/06			7.34	216	65.2	< 1.1							373	37.1				0.34 J	29.1		< 0.05		0.6 J		
	A6834603	E123B	07/20/06			7.23	211	63									35.7											
	A6C57601	E123B	10/24/06			7.63	226	64.7									38.1											
	A7016103	E123B	01/05/07			7.57	221	64.2									36.8											
	A7385403	E123B	04/16/07			7.51	227	60.7	< 2.5							334	35				< 0.26	27.8		< 0.035		< 0.84		
	A7786003	E123B	07/13/07			7.35	236	57.6									31.4											
	WMI_X400	E135A	01/12/06			6.99	302	46.2									39.8											
	WMI_X408	E135A	04/06/06			7.21	267	32.5	< 1.1							395	44.8				8	110		< 0.05		0.9 J		
	A6615104	E135A	05/31/06	-58	2.29	7.04	394	72.2		0.0076 J			1.9	0.037	1.7		51.5	3.7	< 200	< 0.5	16.1	152	< 0.2	< 0.2	103000	< 10	2.6 J	1.6 J
	A6743206	E135A	06/28/06	-106	0.47	6.39	431	88.9		0.0076 J			2.7	< 0.05	3.3		42.1	4	72.3 J	< 0.5	14.6	174	< 0.2	< 0.2	107000	0.5 J	3.1	< 25
	A6834604	E135A	07/20/06			7.07	397	90.3									39.6											
	A6C57602	E135A	10/25/06			7	401	76.2									32.3											
	A7016104	E135A	01/05/07			6.75	355	61.6									37.8											
	A7385404	E135A	04/16/07			6.88	438	82.6	18.8							551	31.2				8.4	152		< 0.035		< 0.84		
	A7626707	E135A	06/06/07				566	135					2.8	< 0.05	3.9		33.8	2.8	< 200	< 0.5	14.2	187	< 0.2	< 0.5	104000	< 5	4.3	< 10
	A7767607	E135A	07/10/07	-40	1.36	7.08	423	99.2					2.8	< 0.05	2.7		22.8	3.5							105000			
	A7786004	E135AX	07/13/07			6.65	508	98.9									24.2											
	WMI_X401	E135B	01/12/06			6.8	251	46.1									33.7											
	WMI_X409	E135B	04/06/06			7.46	266	43.1	< 1.1							367	39.4				1.8	62.1		< 0.05		0.6 J		

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD F04 MV	OXYGEN, DISSOLVED F06 MG/L	PH, FIELD F07 SU	ALKALINITY AS CACO3 I01 MG/L	CHLORIDE I04 MG/L	COD I07 MG/L	CYANIDE, TOTAL I09 MG/L	FLUORIDE I10 MG/L	HARDNESS AS CACO3, TOTAL I22 MG/L	NITROGEN, AMMONIA I23 MG/L	NITROGEN, NITRATE I24 MG/L	NITROGEN, TOTAL KJELDAHL I28 MG/L	SOLIDS, TOTAL DISSOLVED I41 MG/L	SULFATE I43 MG/L	TOC I45 MG/L	ALUMINUM M01 µg/L	ANTIMONY M02 µg/L	ARSENIC M03 µg/L	BARIUM M04 µg/L	BERYLLIUM M05 µg/L	CADMIUM M06 µg/L	CALCIUM M08 µg/L	CHROMIUM M09 µg/L	COBALT M10 µg/L	COPPER M12 µg/L
	A6615103	E135B	05/31/06	-66	2.36	7.17	244	40.9		0.0076 Ju			0.61	< 0.05	< 1		41.8	1.6	< 200	< 0.5	2.8	64.1 j	< 0.2	< 0.2	79400	< 10	1 J	< 25
	A6743205	E135B	06/28/06	-114	0.58	7.11	239	41.6		0.0076 J			0.66	< 0.05	0.63		40.6	1.4	48.6 J	< 0.5	2.6	61.5	< 0.2	< 0.2	74700	< 10	0.9 J	< 25
	A6834605	E135B	07/20/06			7.5	232	42.9									40.3											
	A6C57603	E135B	10/25/06			7.39	280	49.5									36.7											
	A7016105	E135B	01/05/07			7.33	266	48									37.7											
	A7385405	E135B	04/16/07			7.18	297	48.3	7.6 J							359	37.8				1.8	70.4		< 0.035		< 0.84		
	A7626708	E135B	06/06/07				350	62					1.2	< 0.05	1.1		48.2	1.5	< 200	< 0.5	3	77.3	< 0.2	0.12	81000	< 5	1.8 J	< 10
	A7767608	E135B	07/10/07	38		7.37	262	49.9					1.3	< 0.05	1		34.3	1.8							63100			
	A7786005	E135BX	07/13/07			7.18	272	51.3									36											
	WMI_X402	E137A	01/12/06			7.03	465	135									33.8											
	WMI_X410	E137A	04/06/06			6.68	492	130	< 1.1							710	34.4				3.5	135		< 0.05		< 0.44		
	A6615107	E137A	05/31/06	-40	0.83	6.83	560	135		0.0076 J			0.52	< 0.05	< 1		54.5	2.7	4370	< 0.5	7.7	177	0.11 J	0.098 J	134000	5.3	3.8	6.4
	A6749603	E137A	06/29/06	-81	0.4	6.17	483	140		0.0076 J			0.62	< 0.05	0.94		54.4	3.3	1510	< 0.5	8.4	167	< 0.2	< 0.2	117000	1.4 J	2 J	1.1 J
	A6834606	E137A	07/20/06			6.64	433	117									51.2											
	A6C57604	E137A	10/24/06			7.05	506	113									69											
	A7016106	E137A	01/05/07			6.76	466	121									75											
	A7385406	E137A	04/16/07			6.72	463	126	4.2 J							576	66.2				4.9	134		< 0.035		< 0.84		
	A7610305	E137A	06/04/07	-30	0.5	6.97	536	132					0.87	< 0.05	1.2		95.8	2.1	< 200	< 0.5	6.8	150	< 0.2	< 0.5	110000	< 5	1.8 J	< 10
	A7767605	E137A	07/10/07	8	0.6	6.81	491	125					0.85	< 0.05	0.95		92.3	2.6							118000			
	A7786006	E137AX	07/13/07			7.04	588	122									87.8											
	A6615106	E137B	05/31/06	-71	0.59	6.87	570	163		0.0076 Ju			24.3	< 0.05	10		5.4	6.6	157	< 0.5	6.7	287 j	< 0.2	< 0.2	97200	< 10	1.3 J	1.1 J
	A6749602	E137B	06/29/06	-109	0.31	6.44	558	148		0.0076 J			23.8	0.031 J	27.9		6.6	7.1	170	< 0.5	5.5	268	< 0.2	< 0.2	90500	< 10	1.6 J	< 25
	A7610304	E137B	06/04/07	-116	0.5	6.95	580	162					18.8	< 0.05	18.8		30.6	5.2	< 200	< 0.5	6.3	255	< 0.2	< 0.5	96600	< 5	3.9	< 10
	A7767606	E137B	07/10/07	-1	0.51	6.98	490	136					20	0.12	20		6.5	5.8							94900			
	A6368806	E140	04/06/06			6.69	552	59.6	< 1.1 N							724	52.8				4.8	127		< 0.05 N		1.9		
	A6834607	E140	07/20/06			6.43	430	19.2									25.8											
	A6B85104	E140	10/10/06			6.85	528	17.5									22.7											
	A7016107	E140	01/05/07			6.42	458	23.6									24											
	A7385407	E140	04/16/07			6.86	491	16.4	11							552	35.1				4.4	83.9		< 0.035		< 0.84		
	A7786007	E140	07/13/07			6.79	609	69.8									2											
	A7637102	E140A	06/07/07				559	88					0.15	0.97	0.16 J		155	1.5	< 200	< 0.5	< 5	65.6	< 0.2	< 0.5	168000	< 5	< 8	< 10
	A6049408	E141A	01/12/06			6.96	434	85.4									47.4											
	A6368807	E141A	04/06/06			6.84	466	114	< 1.1 N							783	53.8				1.4	93.6		< 0.05 N		0.5 J		
	A6834608	E141A	07/20/06			6.63	450	90.5									64.6											
	A6C57605	E141A	10/25/06			6.73	474	93.3									60.1											
	A7016108	E141A	01/05/07			6.55	490	94.4									56.5											
	A7385408	E141A	04/16/07			6.67	552	91.4	9.5							692	67.6				1.2	68.3		< 0.035		< 0.84		
	A7780606	E141A	07/12/07	3	0.46	6.96	450	105					0.18	0.044	0.17 J		143	1.6	< 200	< 0.5	< 5	57.4	< 0.2	< 0.5	159000	< 5	< 8	< 10
	A7786008	E141AX	07/13/07			6.85	516	89.4									50.5											
	A6049409	E141B	01/12/06			7.55	283	80.1									35											
	A6368808	E141B	04/06/06			7.52	290	93	< 1.1 N							514	37.3				< 0.28 N	49.3		< 0.05 N		0.6 J		
	A6834609	E141B	07/20/06			7.36	296	106									37.4											
	A6C57606	E141B	10/25/06			7.24	344	101									40.9											
	A7016109	E141B	01/05/07			7.18	340	84.4									44.2											
	A7385409	E141B	04/16/07			7.15	390	61	13.2							565	42.3				< 0.26	55.3		< 0.035		< 0.84		
	A7786009	E141B	07/13/07			6.98	411	52									42.7											
	A6778601	EW COMP	07/10/06			6.92				< 0.005										< 0.27	36.8			< 0.05		0.5 J		< 0.83
	A7765401	EW COMP	07/10/07			6.66				< 0.005 N										< 0.15 N	24.1			< 0.035 N				< 1.3 N
	A6049419	EW-01	01/12/06			6.79	381	41									31.8											
	A6359501	EW-01	04/05/06			6.91	408	34.8	< 1.1 N							604	78.3				9.6	93.4		< 0.05 N		< 0.44 N		
	A6813402	EW-01	07/17/06			6.84	400	19.5									52.7											
	A6B68501	EW-01	10/06/06			6.68	473	19.4									49.3											
	A7011102	EW-01	01/04/07			6.87	402	26.1									44.4											
	A7385419	EW-01	04/16/07			6.52	438	44.7	11.6							677	75.8				7	84.2		< 0.035		< 0.84		
	A7765504	EW-01	07/10/07			6.75	362	18.3									40.7											
	A6049420	EW-02	01/12/06			6.38	400	107									26.1											
	A6359502	EW-02	04/05/06			6.6	378	122	12.1							615	27.5				19.2	127		< 0.05 N		< 0.44 N		
	A6813403	EW-02	07/17/06			6.84	493	38.9									31.6											
	A6B68502	EW-02	10/06/06			6.81	564	81.7									30.6											
	A7011103	EW-02	01/04/07			6.96	434	92									30.5											

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD F04 MV	OXYGEN, DISSOLVED F06 MG/L	PH, FIELD F07 SU	ALKALINITY AS CACO3 I01 MG/L	CHLORIDE I04 MG/L	COD I07 MG/L	CYANIDE, TOTAL I09 MG/L	FLUORIDE I10 MG/L	HARDNESS AS CACO3, TOTAL I22 MG/L	NITROGEN, AMMONIA I23 MG/L	NITROGEN, NITRATE I24 MG/L	NITROGEN, TOTAL KJELDAHL I28 MG/L	SOLIDS, TOTAL DISSOLVED I41 MG/L	SULFATE I43 MG/L	TOC I45 MG/L	ALUMINUM M01 µg/L	ANTIMONY M02 µg/L	ARSENIC M03 µg/L	BARIUM M04 µg/L	BERYLLIUM M05 µg/L	CADMIUM M06 µg/L	CALCIUM M08 µg/L	CHROMIUM M09 µg/L	COBALT M10 µg/L	COPPER M12 µg/L
	A7385420	EW-02	04/16/07			6.7	495	83	8.5							684	36.3				13.9	140		< 0.035		< 0.84		
	A7765505	EW-02	07/10/07			6.78	499	62.8									38.5											
	A6049421	EW-03R	01/12/06			6.85	383	115									57.8											
	A6359503	EW-03R	04/05/06			6.51	372	142	< 1.1 N							701	58				23.6	127		< 0.05 N		0.8 J		
	A6813404	EW-03R	07/17/06			6.82	488	48.5									66.8											
	A6868503	EW-03R	10/06/06			6.74	550	51.9									63.7											
	A7011104	EW-03R	01/04/07			6.87	461	66.7									58.2											
	A7385702	EW-03R	04/16/07			6.8	461	52.7	< 2.5							601	65.5				22.1	120		< 0.035		< 0.84		
	A7765506	EW-03R	07/10/07			6.77	450	29									76											
EPA	E607005-01	MW_DYER	07/20/06																									
EPA	ME3K57	MW_DYER	07/20/06							< 0.01 u									24800	6.4 Jj	5.6 Jj	154 Jj	< 5 Ju	< 5 u	105999	327	17.4 Jj	51.3
	A7642805	MW_DYER	06/08/07	154	0.47	7.26	445	2					0.068	< 0.05	0.71		91.6	8.5	< 200	< 0.5	< 5	62.8	< 0.2	< 0.5	49200	< 5	< 8	< 10
	A764-X01	MW_DYER	06/15/07	-8	2.47	7.42																						
	A7676805	MW_DYER	06/15/07				372	2.3					0.081	< 0.05	0.69		89.4	8.3							46600			
EPA	E707001-01	MW_DYER	07/17/07							< 0.002	0.76								9600	< 1	4.9	126 J	0.4 J	0.1 J	75100	22.9	8 J	28
EPA	E707001-01RE	MW_DYER	07/17/07																									
EPA	ME3K58	MW_DYER DUP	07/20/06							< 0.01 u									24400	< 60 u	< 10 u	151 Jj	< 5 Ju	< 5 u	104001	337	17.1 Jj	50.5
	A6629204	MW-01	06/02/06	-87	1.05	7.18	347	376		0.0076 J			0.15	< 0.05	< 1		40.1	1.8	12200	< 0.5	2.4	298	0.21 J	0.087 J	138000	16.7	5.5	12.4
	A6756904	MW-01	06/30/06	-122	0.39	6.53	330	380		0.0076 J			0.18	< 0.05	< 1		39.8	2.5	1340	< 0.5	1.4	247	< 0.2	< 0.2	116000	1.3 J	0.9 J	< 25
	A7011301	MW-01	01/04/07	-109	0.79	7.14	353	334					0.13	< 0.05	0.72		37.4								103000			
	A7349801	MW-01	04/09/07				354	354					0.22	< 0.05	0.45		41.8								110000			
	A7626711	MW-01	06/06/07				457	411					0.23	< 0.05	0.32		47.2	1.5	< 200	< 0.5	2	231	< 0.2	< 0.5	109000	< 5	1.7 J	< 10
	A7767603	MW-01	07/10/07	2	0.67	7.24	351	348					0.19	< 0.05	0.32		35.5	2							112000			
	A6629206	MW-01 DUP	06/02/06				343	402		0.0076 J			0.14	< 0.05	< 1		40.1	2	13100	< 0.5	2.5	309	0.23 J	0.097 J	142000	19.1	5.5	14.1
	A7349804	MW-01 DUP	04/09/07				350	420					0.21	< 0.05	0.4		38.9								109000			
	A6629203	MW-01A	06/02/06	-136	0.76	7.07	438	214		0.0076 J			< 0.02	< 0.05	< 1		28.6	2.1	42.2 J	< 0.5	1.8	194	< 0.2	< 0.2	106000	< 10	< 6	< 25
	A6756903	MW-01A	06/30/06	-150	0.43	7.13	441	215		0.0076 J			< 0.02	< 0.05	< 1		18.5	3.7	86.2 J	< 0.5	1.8	197	< 0.2	< 0.2	106000	< 10	< 6	< 25
	A7011302	MW-01A	01/04/07	-137	0.97	7.04	425	220					0.05	< 0.05	0.56		36.2								101000			
	A7354205	MW-01A	04/10/07				437	214					0.13	< 0.05	0.33		37.8								99000			
	A7626705	MW-01A	06/06/07	-140	0.38	7.09	506	210					0.17	< 0.05	0.25 J		45.4	1.2	< 200	< 0.5	0.7 J	192	< 0.2	< 0.5	104000	< 5	1.1 J	< 10
	A7767604	MW-01A	07/10/07	-2	0.81	7.12	440	199					0.13	< 0.05	0.3		36.2	1.5							106000			
	A6609605	MW-01B	05/30/06	-142	5.25	8.03	307	3.3		0.0076 J			0.15	< 0.05	< 1		12.5	0.64 J	76.2 J	< 0.5	3.1	23.1	< 0.2	< 0.2	14300	0.5 J	< 6	< 25
	A6738302	MW-01B	06/27/06	-161	0.52	7.84	131	2.7		0.0076 J			0.16	< 0.05	< 1		12.2	9.2	61.3 J	< 0.5	3	21.6	< 0.2	< 0.2	14200	< 10	< 6	< 25
	A7011303	MW-01B	01/04/07	-134	1.05	8.19	128	2.8					0.16	< 0.05	0.19 J		13.1								13800			
	A7349802	MW-01B	04/09/07				127	3.2					0.24	< 0.05	0.28 J		13.8								13800			
	A7626710	MW-01B	06/06/07				178	4.1 J					0.22	< 0.05	0.44		15.2	1.7	< 200	< 0.5	3.3	21.3	< 0.2	< 0.5	13500	< 5	1.7 J	< 10
	A7767602	MW-01B	07/10/07	-1	0.46	8.13	134	2.8					0.22	< 0.05	0.3		12	0.76 J							14000			
	A6756905	MW-01F	06/30/06																< 200	< 0.5	1.6	233	< 0.2	< 0.2	109000	< 10	< 6	< 10
	A6615101	MW-02	05/31/06	-77	0.91	7.01	490	6		0.0076 J			< 0.02	< 0.05	< 1		170	0.5 J	34.2 J	< 0.5	0.94	44.7	< 0.2	< 0.2	106000	< 10	< 6	< 25
	A6738304	MW-02	06/27/06	-95	0.57	6.89	430	4.6		0.0076 J			0.056	< 0.05	< 1		142	2.1	51.1 J	< 0.5	1	45.8	< 0.2	< 0.2	92600	< 10	< 6	< 25
	A7011304	MW-02	01/04/07	-97	1.11	7.02	417	4.3					0.063	< 0.05	0.28 J		144								80200			
	A7354202	MW-02	04/10/07				431	4.5					0.077	< 0.05	0.2 J		138								84600			
	A7626706	MW-02	06/06/07	-33	7.17	6.9	486	6.2					0.074	< 0.05	0.56		142	0.95 J	< 200	< 0.5	2.4	46.6	< 0.2	< 0.5	89700	< 5	< 8	< 10
	A7767601	MW-02	07/10/07	0	0.75	7.07	425	4					0.053	< 0.05	0.22 J		125	1.2							90400			
	A6738303	MW-02 DUP	06/27/06				435	4.7		0.0076 J			0.033	< 0.05	< 1		144	2	57.3 J	< 0.5	1.1	47	< 0.2	< 0.2	95000	< 10	< 6	< 25
	A6615102	MW-03	05/31/06	-92	0.81	7.22	298	649		0.0076 J			0.056	0.022 J	< 1		18.9	2	68.8 J	< 0.5	4.3	192	< 0.2	< 0.2	114000	< 10	< 6	< 25
	A6743203	MW-03	06/28/06	-110	0.48	7.11	294	584		0.0076 J			0.067	< 0.05	< 1		22.4	2.4	53.8 J	< 0.5	3.7	183	< 0.2	< 0.2	104000	< 10	< 6	< 25
	A7011305	MW-03	01/04/07	-118	1.2	7.12	275	627					0.065	< 0.05	0.52		18.8								100000			
	A7354201	MW-03	04/10/07				250	561					0.13	< 0.05	0.36		18.4								100000			
	A7610301	MW-03	06/04/07	-79	0.34	7.28	301	485					0.11	< 0.05	0.28 J		24.8	1.7	< 200	< 0.5	4.1	179	< 0.2	< 0.5	100000	< 5	< 8	< 10
	A7771909	MW-03	07/11/07	-79	0.86	7.34	286	371					0.12	< 0.05	0.15 J		19.1	1.7							100000			
	A7011307	MW-03 DUP	01/04/07				280	577					0.076	< 0.05	0.49		19.5								100000			
	A6609602	MW-03A	05/30/06	-13	1.76	8.51	154 J	51.6		0.0076 J			0.89	< 0.05	< 1		57.7	1.4	128000	< 0.5	5.7	773	2.7	1.5	314000	115	39.8	94.6
	A6749604	MW-03A	06/29/06	83	2.08	8.63	212	28.7		0.0076 J			0.72	< 0.05	0.96		45.5	2.5	82500	< 0.5	< 2	463	0.39	0.38	183000	76.9	25.9	62.7
	A7011306	MW-03A	01/04/07	-175	1.06	8.38	197	9.4					0.27	< 0.05	0.5		28.1								6000			
	A7349803	MW-03A	04/09/07				178	7.5					0.33	< 0.05	0.36		33.2								5900			
	A7610303	MW-03A	06/04/07	-84	14.51	8.37	180	9.6					0.26	0.1	0.32		43.8	1.1 J	420	< 0.5	1.3	25	< 0.2	< 0.5	6200	< 5	3.2	< 10
	A7771910	MW-03A	07/11/07	-129	0.23	8.76	183	6.3					0.27	< 0.05	0.24 J		26.7	1.4							6200			
	A6749605	MW-03AF	06/29/06	60	1.7	8.55													15700	1.7	3.3	124	0.79	0.086 J	50000	16.1	6.3	14.7
	A7637104	MW-03ARE	06/07/07	-94	0.43	8.3	224	6.6					0.28	0.012 J	0.33		40.3	2.2	221	< 0.5	< 5	24.3	< 0.2	< 0.5	6070	< 5	< 8	< 10

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD F04 MV	OXYGEN, DISSOLVED F06 MG/L	PH, FIELD F07 SU	ALKALINITY AS CACO3 I01 MG/L	CHLORIDE I04 MG/L	COD I07 MG/L	CYANIDE, TOTAL I09 MG/L	FLUORIDE I10 MG/L	HARDNESS AS CACO3, TOTAL I22 MG/L	NITROGEN, AMMONIA I23 MG/L	NITROGEN, NITRATE I24 MG/L	NITROGEN, TOTAL KJELDAHL I28 MG/L	SOLIDS, TOTAL DISSOLVED I41 MG/L	SULFATE I43 MG/L	TOC I45 MG/L	ALUMINUM M01 µg/L	ANTIMONY M02 µg/L	ARSENIC M03 µg/L	BARIUM M04 µg/L	BERYLLIUM M05 µg/L	CADMIUM M06 µg/L	CALCIUM M08 µg/L	CHROMIUM M09 µg/L	COBALT M10 µg/L	COPPER M12 µg/L
	A6622503	MW-04	06/01/06	-23	0.83	6.94	589	181		0.0076 J			0.19	< 0.05	< 1		30.1	2.4	634	< 0.5	3.8	153	< 0.2	< 0.2	108000	1.6	2.1 J	< 25
	A6743201	MW-04	06/28/06	-72	0.44	6.92	542	199		0.0076 J			0.065	< 0.05	< 1		25.1	4.2	115	< 0.5	3.9	175	< 0.2	< 0.2	122000	< 10	2.4 J	< 25
	A7016201	MW-04	01/05/07	-217	0.7	6.86	392	172					0.028 J	< 0.05	1.4		15.1								122000			
	A7363602	MW-04	04/11/07				519	185					0.081	< 0.05	0.36		17.7								125000			
	A7637106	MW-04	06/07/07	-22	0.57	6.81	626	187					0.038	< 0.05	0.32		19.1	3	< 200	< 0.5	< 5	174	< 0.2	< 0.5	122000	< 5	< 8	< 10
	A7758903	MW-04	07/09/07	15	0.23	6.79	561	159					0.047	< 0.05	0.39		18.4	3.7							126000			
	A6622505	MW-04 DUP	06/01/06				514	181		0.0076 J			0.15	< 0.05	0.73		30.2	2.7	712	< 0.5	3.7	160	< 0.2	< 0.2	110000	1.6	1.9 J	< 25
	A6609601	MW-04A	05/30/06	-69	5.48	8.35	750	11.4		0.0076 J			0.097	< 0.05	< 1		79.2	5.2	16200	1.2	7.6	126	0.35	0.22	28900	20.6	5.1	5.4
	A6738306	MW-04A	06/27/06	-163	2.51	7.89	31.5 J	10.6		0.0076 J			0.1	< 0.05	< 1		85.1	6.3	11900	< 0.5	8.6	91.4	0.3	0.8	31100	17.2	5.1	9.5
	A6738306RA	MW-04A RA	06/27/06				171																					
	A6738306RE	MW-04A RE	06/27/06				210																					
	A6622502	MW-05	06/01/06	-88	0.82	7.08	478	177		0.0076 J			0.24	< 0.05	< 1		38.8	1.4	195	< 0.5	2	188	< 0.2	< 0.2	104000	0.8 J	< 6	< 25
	A6756902	MW-05	06/30/06	-121	0.58	7.08	434	187		0.0076 J			< 0.02	< 0.05	< 1		39	1.9	107	< 0.5	1.7	207	< 0.2	< 0.2	108000	< 10	< 6	< 25
	A7006703	MW-05	01/03/07	-115	0.16	7.14	398	197					0.044	< 0.05	0.56		38.3								102000			
	A7354203	MW-05	04/10/07				326	192					0.083	< 0.05	0.15 J		40.2								103000			
	A7637105	MW-05	06/07/07	-71	0.36	7.11	513	171					0.078	< 0.05	0.15 J		41	1.3	< 200	< 0.5	< 5	203	< 0.2	< 0.5	99400	< 5	< 8	< 10
	A7771902	MW-05	07/11/07	49	0	7.25	443	135					0.1	< 0.05	0.099 J		38.4	1.3							98800			
	A7006704	MW-05 DUP	01/03/07				409	174					0.031	< 0.05	0.31		39.3								99600			
	A6609603	MW-06	05/30/06	-143	0.58	7.58	325	43.1		0.0076 J			0.057	< 0.05	< 1		30.6	< 1	105	< 0.5	2.7	92.6	< 0.2	0.054 J	60400	< 10	< 6	< 25
	A6738301	MW-06	06/27/06	-174	0.43	7.25	290	42.3		0.0076 J			0.089	< 0.05	< 1		29.2	14.2	74.9 J	< 0.5	2.9	84.6	< 0.2	< 0.2	58400	< 10	< 6	< 25
	A7006702	MW-06	01/03/07	-157	0.28	7.52	237	40.9					0.064	< 0.05	0.13 J		29.8								55500			
	A7354204	MW-06	04/10/07				280	41					0.2	< 0.05	0.2 J		29.6								55200			
	A7626703	MW-06	06/06/07	-100	0.55	7.48	341	43.6					0.12	< 0.05	0.2 J		33.9	0.62 J	< 200	< 0.5	4.2	87.4	< 0.2	0.042 J	58900	< 5	< 8	< 10
	A7771905	MW-06	07/11/07	-64	0.24	7.68	239	36.9					0.14	< 0.05	0.37		28	0.55 J							58700			
	A7626713	MW-06 DUP	06/06/07				270	37.2					0.11	< 0.05	< 1		28.7	0.67 J	< 200	< 0.5	3.6	87.4	< 0.2	0.18	59300	< 5	2.2 J	< 10
	A6629202	MW-07	06/02/06	-69	0.55	7.17	343	245		0.0076 J			0.027 J	< 0.05	< 1		49.9	1.8	846	0.39 J	4.4	202	< 0.2	< 0.2	124000	0.7 J	< 6	< 25
	A6743207	MW-07	06/28/06	-105	0.42	6.82	359	234		0.0076 J			0.059	< 0.05	0.26 J		53.8	1.4	89.2	< 0.5	3.9	198	< 0.2	< 0.2	112000	< 10	< 6	< 25
	A7006701	MW-07	01/03/07	-101	0.4	7.13	342	248					0.043	< 0.05	0.72		48.5								104000			
	A7363601	MW-07	04/11/07				376	224					0.099	< 0.05	0.24 J		45.7								108000			
	A7619303	MW-07	06/05/07				438	241					0.087	< 0.05	0.36		57.4	1.1 J	< 200	< 0.5	3.9	195	< 0.2	< 0.5	105000	< 5	3.9	< 10
	A7771903	MW-07	07/11/07	126		7.28	351	195					0.084	< 0.05	< 1		43.1	1.1 J							108000			
	A6743209	MW-07 DUP	06/28/06				362	250		0.0076 J			0.055	< 0.05	< 1		49.9	1.3 J	208	< 0.5	3.9	189	< 0.2	< 0.2	113000	< 10	< 6	< 25
	A7363603	MW-07 DUP	04/11/07				406	262					0.11	< 0.05	0.25 J		45.8								105000			
	A7619306	MW-07S	06/05/07	-42	0.43	7.7	281	5					0.24	< 0.05	1.3		184	1.3	45.3 J	< 0.5	1.1	75.8	< 0.2	< 0.5	40800	< 5	< 8	< 10
	A7771904	MW-07S	07/11/07	31		7.62	193	116					0.22	< 0.05	1.4		154	1.5							41900			
	A7619310	MW-07S DUP	06/05/07				270	5					0.23	< 0.05	1.3		190	1.3	85.8 J	< 0.5	1.2	73.3	< 0.2	< 0.5	39800	< 5	2.6 J	< 10
	A7610302	MW-08A	06/04/07	-228	0.57	7.48	259	15.2					0.12	< 0.05	0.25 J		128	2.2	< 200	0.17 J	0.82 J	83.4	< 0.2	< 0.5	56200	< 5	2.8 J	< 10
	A7771908	MW-08A	07/11/07	-95	0.12	7.74	282	10.6					0.13	< 0.05	< 1		114	1.4							55000			
	A7780607	MW-09	07/12/07				309	277					0.2	< 0.05	0.15 J		28.1	1.8	< 200	< 0.5	< 5	126	< 0.2	< 0.5	74300	< 5	< 8	< 10
	A7619302	MW-09A	06/05/07				326	291					0.23	< 0.05	0.38		31.3	1.6	89.3 J	0.34 J	1.8	127	< 0.2	< 0.5	73200	< 5	2.6 J	< 10
	A7619309	MW-10	06/05/07	49	2.43	7.29	425	215					0.14	< 0.05	0.29		48	1.4	46.6 J	< 0.5	0.8 J	155	< 0.2	< 0.5	96200	< 5	1.1 J	< 10
	A7780602	MW-10	07/12/07	10	1	7.45	321	167					0.16	< 0.05	< 1		36.2	1.4	< 200	< 0.5	< 5	149	< 0.2	< 0.5	95600	< 5	< 8	< 10
	A7619301	MW-10A	06/05/07	-147	0.7	7.5	285	42.6					0.18	< 0.05	0.2 J		104	1.1 J	90.3 J	0.22 J	2.8	101	< 0.2	0.19	58400	< 5	< 8	< 10
	A7780603	MW-10A	07/12/07	-81	1	7.65	279	31.7					0.12	< 0.05	< 1		80.6	0.75 J	< 200	< 0.5	< 5	99.7	< 0.2	< 0.5	60200	< 5	< 8	< 10
	A7619308	MW-11A	06/05/07	-148	0.14	8.54	286	11.8					0.24	< 0.05	2.4		61.9	4.4	516	0.57	1.5	7.1	< 0.2	< 0.5	3000	0.9 J	3.2	< 10
	A7780604	MW-11A	07/12/07	-154		8.85	195	9.9					0.27	< 0.05	0.29		34	5.1	4000	0.79	< 5	23.1	0.22	< 0.5	8730	7.4	< 8	< 10
	A7626701	MW-13A	06/06/07	-278	5.18	7.74	355	67.2					0.06	< 0.05	0.22 J		48.2	3.8	388	0.51	1.8	87.8	< 0.2	< 0.5	62000	1.3 J	5.4	< 10
	A7767611	MW-13A	07/10/07	-110	0.38	7.61	274	68.2					0.039	< 0.05	0.18 J		44	1.2							72100			
	A7626702	MW-13S	06/06/07	162	4.36	7.43	281	87.2					0.019 J	3.4	< 1		39.6	0.56 J	44.1 J	< 0.5	0.45 J	48.1	< 0.2	< 0.5	59900	< 5	2.2 J	< 10
	A7767610	MW-13S	07/10/07	143	4.63	7.63	204	72.6					0.037	3	< 1		39	0.65 J							55800			
	A7637103	MW-14A	06/07/07				557	178					0.35	< 0.05	0.44		24.7	3.3	< 200	< 0.5	< 5	172	< 0.2	< 0.5	89800	< 5	< 8	< 10
	A7758901	MW-14A	07/09/07	-45	0.21	7.27	497	168					0.17	< 0.05	0.46		21.4	5							97700			
	A7626712	MW-15A	06/06/07				614	150					0.24	< 0.05	0.42		53.6	2.6	< 200	0.18 J	1.1	212	< 0.2	0.054 J	118000	< 5	2.7 J	< 10
	A7767612	MW-15A	07/10/07	1	0.23	6.97	531	68.3					0.3	< 0.05	0.69		44.2	3.1							118000			
	A7626709	MW-17	06/06/07				121	10.1					0.19	< 0.05	0.35		93	3.5	262	0.44 J	1.9	18.1	< 0.2	0.056 J	8200	< 5	2.6 J	< 10
	A7771906	MW-17	07/11/07	-35	0.12	8.89	97.6	9.5					0.12	< 0.05	< 1		74.6	4.9							9200			
	A7626704	MW-17A	06/06/07	12	0.59	7.19	391	169					0.11	< 0.05	0.41		51	0.97 J	< 200	< 0.5	4.1	163	< 0.2	0.18	101000	< 5	< 8	< 10
	A7771907	MW-17A	07/11/07	-79	0.08	7.36	341	144					0.11	< 0.05	< 1		42	0.83 J							100000			
EPA	E607005-19	P064A	07/20/06																									
EPA	ME3K60	P064A	07/20/06							< 0.01 u									348	< 60 u	< 10 u	< 200 Ju	< 5 u	< 5 u	77400	< 10 u	< 50 u	< 25 u

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD F04 MV	OXYGEN, DISSOLVED F06 MG/L	PH, FIELD F07 SU	ALKALINITY AS CACO3 I01 MG/L	CHLORIDE I04 MG/L	COD I07 MG/L	CYANIDE, TOTAL I09 MG/L	FLUORIDE I10 MG/L	HARDNESS AS CACO3, TOTAL I22 MG/L	NITROGEN, AMMONIA I23 MG/L	NITROGEN, NITRATE I24 MG/L	NITROGEN, TOTAL KJELDAHL I28 MG/L	SOLIDS, TOTAL DISSOLVED I41 MG/L	SULFATE I43 MG/L	TOC I45 MG/L	ALUMINUM M01 µg/L	ANTIMONY M02 µg/L	ARSENIC M03 µg/L	BARIUM M04 µg/L	BERYLLIUM M05 µg/L	CADMIUM M06 µg/L	CALCIUM M08 µg/L	CHROMIUM M09 µg/L	COBALT M10 µg/L	COPPER M12 µg/L
EPA	E706003-07	P064A	06/26/07							< 0.002	0.73								< 7.1	< 1	0.8 J	64.9 J	< 0.2	< 0.1	79000	0.9 J	0.6 J	3.6 J
EPA	E607005-24	P064B	07/20/06																									
EPA	E607005-24RE	P064B	07/20/06																									
EPA	ME3K61	P064B	07/20/06							< 0.01 u									< 200 Ju	< 60 u	4.9 Jj	< 200 Ju	< 5 Ju	< 5 u	26300	< 10 Ju	< 50 u	< 25 u
EPA	E706003-05	P064B	06/26/07							< 0.002	0.72								93.6 JK	< 1	6.2	30 J	< 0.2	< 0.1	30500	0.9 J	< 0.4	3.4 J
	A6049424	P064C	01/12/06			6.59	304	100									52.7											
	A6368819	P064C	04/06/06			7.17	402	102	< 1.1 N							645	51				0.51 J	116		< 0.05 N		< 0.44 N		
	A6615105	P064C	05/31/06	-29	2.36	6.98	476	86.4		0.0076 Ju			0.2	< 0.05	< 1		54.7	1 J	60.3 J	< 0.5	1	126 J	< 0.2	< 0.2	107000	< 10	< 6	1.8 J
	A6749607	P064C	06/29/06	-54	2.28	6.57	416	74.1		0.0076 J			0.19	0.052	< 1		59.4	1.7	89.7	< 0.5	0.71 J	109	< 0.2	< 0.2	94300	< 10	< 6	< 25
	A6834620	P064C	07/20/06			7.62	402	86.5									50.2											
EPA	E607005-16	P064C	07/20/06																									
EPA	ME3K62	P064C	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	< 200 Ju	< 5 Ju	< 5 u	102000	< 10 Ju	< 50 u	< 25 u
	A6C57611	P064C	10/24/06			7.25	460	83.1									50.2											
	A7016120	P064C	01/05/07			7.35	347	80.8									53.8											
	A7385705	P064C	04/16/07			7.34	456	77.6	< 2.5							560	49				0.57 J	116		< 0.035		< 0.84		
	A7619305	P064C	06/05/07	14	1.01	6.97	590	63.2					0.34	0.043	0.44		57.4	1.1 J	< 200	< 0.5	0.49 J	112	< 0.2	< 0.5	93200	< 5	1.1 J	< 10
EPA	E706003-06	P064C	06/26/07							< 0.002	0.32 J								24.9 J	< 1	< 0.5	126 J	< 0.2	< 0.1	109000	0.8 J	0.7 J	2.5 J
	A7780605	P064C	07/12/07	4		7.13	479	56.2					0.3	< 0.05	0.47		55.3	1.3	< 200	< 0.5	< 5	114	< 0.2	< 0.5	96600	< 5	< 8	< 10
	A6749607RE	P064C RE	06/29/06											0.036 J														
	A7786018	P064CX	07/13/07			6.88	461	67.3									44.6											
	A6049425	P067A	01/12/06			7.7	187	69.1									31.8											
	A6368820	P067A	04/06/06			7.27	235	75.4	< 1.1 N							368	29.6				< 0.28 N	25.7		< 0.05 N		0.7 J		
	A6834621	P067A	07/20/06			6.97	185	72.9									29.6											
	A6C57612	P067A	10/24/06			7.93	210	70.9									30.5											
	A7011106	P067A	01/04/07			7.46	205	71.9									32.3											
	A7385706	P067A	04/16/07			7.58	202	82.3	< 2.5							370	31.9				< 0.26	25		< 0.035		< 0.84		
	A7786019	P067A	07/13/07			7.36	202	69.7									33											
EPA	ME3K59	PZ_DYER	07/19/06							< 0.01 u									7140	< 60 u	7.6 Jj	129 Jj	< 5 Ju	< 5 u	107001	10.2	4.5 Jj	7.8 Jj
	A7642804	PZ_DYER	06/08/07	-8	0.62	7.41	348	55.5					0.14	< 0.05	0.5		40.7	1.1 J	< 200	< 0.5	7.61	92.8	< 0.2	< 0.5	58900	< 5	< 8	< 10
	A764-X04	PZ_DYER	06/15/07	-8	0.62	7.41																						
	A7676806	PZ_DYER	06/15/07				320	85.5					0.15	< 0.05	0.5		53.8	0.72 J							67900			
EPA	E707001-02	PZ_DYER	07/17/07							< 0.002	0.71								1300	< 1	9.1	114 J	< 0.2	< 0.1	75500	2.6 JK	0.9 J	3.5 J
	A7642807	PZ_MOOSE	06/08/07	167	4.42	7.07	382	61					0.12	0.42	0.31		38.2	0.54 J	< 200	< 0.5	< 5	39.4	< 0.2	< 0.5	88000	< 5	< 8	< 10
	A764-X02	PZ_MOOSE	06/15/07	5	1.17	7.23																						
	A7676808	PZ_MOOSE	06/15/07				326	61.5					0.1	0.47	0.16 J		39.9	0.56 J							87000			
	A7642806	PZ_STAGECOACH	06/08/07	-274	0.16	8.68	373	109					0.12	< 0.05	0.28 J		< 0.7	1.1 J	< 200	< 0.5	< 5	< 5	< 0.2	< 0.5	< 5000	< 5	< 8	< 10
	A764-X03	PZ_STAGECOACH	06/15/07	-40	0.46	7.73																						
	A7676807	PZ_STAGECOACH	06/15/07				522	92.8					0.17	< 0.05	0.37		54.1	0.93 J							59300			
EPA	E707002-04	STAGECOACH	07/18/07							< 0.002 J	0.75								996	< 1	7.2	150 J	< 0.2	< 0.1	80600	3.8 JK	0.5 J	11.5 J
	A6049426	TW_62	01/12/06			6.72	400	407									211											
	A6368821	TW_62	04/06/06			7.13	438	380	< 1.1 N							1210	185				1.2	81.6		< 0.05 N		< 0.44 N		
	A6834622	TW_62	07/20/06			7.18	425	354									178											
	A6C57613	TW_62	10/25/06			6.98	472	348									174											
	A7016121	TW_62	01/05/07			6.71	204	442									167											
	A7385707	TW_62	04/16/07			6.9	464	367	< 2.5							1160	172				0.88	67.1		< 0.035		< 0.84		
	A7786020	TW_62	07/13/07			7.62	447	232									171											
	A6051401	TW_74R	01/13/06						< 1.1 N		0.24	635																
	A6051501	TW_74R	01/13/06			7.19	450	18.7									114											
	A6359505	TW_74R	04/05/06			7.4	442	15	< 1.1 N							606	103				3.7	39.5		0.062 J		< 0.44 N		
	A6359601	TW_74R	04/05/06								0.17	587																
	A6813201	TW_74R	07/17/06						< 1.1		0.16	629																
	A6813406	TW_74R	07/17/06			7.11	499	21.7									121											
	A6B85112	TW_74R	10/10/06			7.21	593	28.4									104											
	A6B86102	TW_74R	10/10/06						12.6		0.08 J	621																
	A7010902	TW_74R	01/04/07						< 2.5		0.04 J	554																
	A7011107	TW_74R	01/04/07			6.98	430	20.3									86.7											
	A7385708	TW_74R	04/16/07			6.94	484	29.1	16.3							616	93.4				1.9	36.1		0.035 J		< 0.84		
	A7386102	TW_74R	04/16/07								0.14	576																
	A7786102	TW_74R	07/13/07						< 2.5 N		0.17	665																
	A7786021	TW_74RX	07/13/07			6.7	468	38.1									91.1											

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	IRON µg/L	LEAD µg/L	MAGNESIUM µg/L	MANGANESE µg/L	MERCURY µg/L	NICKEL µg/L	POTASSIUM µg/L	SELENIUM µg/L	SILVER µg/L	SODIUM µg/L	THALLIUM µg/L	VANADIUM µg/L	ZINC µg/L	ALDRIN µg/L	ALPHA-BHC µg/L	ENDRIN ALDEHYDE µg/L	GAMMA-CHLORDANE µg/L	3,3'-DI-CHLORO-BENZIDINE µg/L	BENZYL ALCOHOL µg/L	BIS(2-ETHYL-HEXYL) PHTHALATE µg/L	BUTYL-BENZYL-PHTHALATE µg/L	DIETHYL-PHTHALATE µg/L	DI-N-BUTYL-PHTHALATE µg/L	PHENAN-THRENE µg/L	PHENOL µg/L
	A6049410	E017R	01/12/06																									
	A6368809	E017R	04/06/06	580	< 0.1 N		316				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834610	E017R	07/20/06																									
	A6C57607	E017R	10/25/06																									
	A7016110	E017R	01/05/07																									
	A7385410	E017R	04/16/07	3400	< 0.069		151				< 0.44	< 1		< 0.03														
	A7786010	E017R	07/13/07																									
	WMI_X404	E080	01/12/06																									
	WMI_X411	E080	04/06/06	< 17	< 0.1		0.5 J				0.7 J	< 0.9		< 0.08														
	A6834611	E080	07/20/06																									
	A6C57608	E080	10/24/06																									
	A7016111	E080	01/05/07																									
	A7385411	E080	04/16/07	< 19	< 0.069		< 0.16				0.66 J	< 1		< 0.03														
	A7786011	E080	07/13/07																									
	A6049412	E092P	01/12/06																									
	A6368811	E092P	04/06/06	360	< 0.1 N		31.7				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834612	E092P	07/20/06																									
	A6C57609	E092P	10/24/06																									
	A7016112	E092P	01/05/07																									
	A7385412	E092P	04/16/07	98	< 0.069		29.9				< 0.44	< 1		< 0.03														
	A7786012	E092P	07/13/07																									
	A6049413	E093D	01/12/06																									
	A6368812	E093D	04/06/06	940	< 0.1 N		43				< 0.44 N	1.1 J		< 0.08 N														
	A6629205	E093D	06/02/06	1610	< 1.5	57000	46	< 0.2	5.5	4200	0.66 J	< 25	142000	< 2	< 5	< 20												
	A6749601	E093D	06/29/06	1290	< 1.5	58500	37.8	< 0.2	11.2	4500	< 5	< 25	149000	< 2	< 5	< 20												
	A6834613	E093D	07/20/06																									
	A6B85105	E093D	10/10/06																									
	A7016113	E093D	01/05/07																									
	A7385413	E093D	04/16/07	28 J	< 0.069		40.5				< 0.44	< 1		< 0.03														
	A7619304	E093D	06/05/07	1500	< 1.5	56800	48		5.1	3800	< 1	< 10	126000	< 2	< 5	< 20												
	A7637101	E093D	06/07/07	1620	< 1.5	58800	49.7		< 12	< 5000	< 1	< 10	129000	< 2	< 5	< 20												
	A7771901	E093D	07/11/07	1600		58100	50			3900			129000															
	A7786013	E093DX	07/13/07																									
	A6049414	E093P	01/12/06																									
	A6368813	E093P	04/06/06	< 17 N	< 0.1 N		29.3				< 0.44 N	< 0.9 N		0.093 J														
	A6834614	E093P	07/20/06																									
	A6B85106	E093P	10/10/06																									
	A7016114	E093P	01/05/07																									
	A7385414	E093P	04/16/07	< 19	< 0.069		21.4				< 0.44	< 1		0.09 J														
	A7786014	E093P	07/13/07																									
	A6049415	E094	01/12/06																									
	A6368814	E094	04/06/06	< 17 N	< 0.1 N		59.7				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834615	E094	07/20/06																									
	A6B85107	E094	10/10/06																									
	A7016115	E094	01/05/07																									
	A7385415	E094	04/16/07	< 19	< 0.069		41.6				< 0.44	< 1		< 0.03														
	A7786015	E094	07/13/07																									
	A6049416	E094P	01/12/06																									
	A6368815	E094P	04/06/06	< 17 N	< 0.1 N		41.3				< 0.44 N	1 J		< 0.08 N														
	A6834616	E094P	07/20/06																									
	A6B85108	E094P	10/10/06																									
	A7016116	E094P	01/05/07																									
	A7385416	E094P	04/16/07	< 19	< 0.069		42.1				< 0.44	< 1		< 0.03														
	A7786016	E094P	07/13/07																									
	WMI_X405	E095	01/12/06																									
	WMI_X412	E095	04/06/06	260	< 0.1		158				< 0.44	1 J		< 0.08														
	A6834617	E095	07/20/06																									
	A6B85109	E095	10/10/06																									
	A7016117	E095	01/05/07																									
	A7385417	E095	04/16/07	200	< 0.069		154				< 0.44	< 1		< 0.03														

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	IRON µg/L	LEAD µg/L	MAGNESIUM µg/L	MANGANESE µg/L	MERCURY µg/L	NICKEL µg/L	POTASSIUM µg/L	SELENIUM µg/L	SILVER µg/L	SODIUM µg/L	THALLIUM µg/L	VANADIUM µg/L	ZINC µg/L	ALDRIN µg/L	ALPHA-BHC µg/L	ENDRIN ALDEHYDE µg/L	GAMMA-CHLORDANE µg/L	3,3'-DI-CHLORO-BENZIDINE µg/L	BENZYL ALCOHOL µg/L	BIS(2-ETHYL-HEXYL) PHTHALATE µg/L	BUTYL-BENZYL-PHTHALATE µg/L	DIETHYL-PHTHALATE µg/L	DI-N-BUTYL-PHTHALATE µg/L	PHENAN-THRENE µg/L	PHENOL µg/L
	A7765502	E095	07/10/07																									
	WMI_X406	E095P	01/12/06																									
	WMI_X413	E095P	04/06/06	960	< 0.1		116				< 0.44	1.2 J		< 0.08														
	A6834618	E095P	07/20/06																									
	A6B85110	E095P	10/10/06																									
	A7016118	E095P	01/05/07																									
	A7385418	E095P	04/16/07	42 J	< 0.069		105				< 0.44	< 1		< 0.03														
	A7765503	E095P	07/10/07																									
	A6051602	E098	01/13/06	< 17 N									4500															
	A6359903	E098	04/05/06										2700															
	A6813603	E098	07/17/06										3700															
	A6B69804	E098	10/06/06										3900															
	A7006204	E098	01/03/07										3200															
	A7386003	E098	04/16/07										2700															
	A7785803	E098	07/13/07										3000															
	A6051603	E099A	01/13/06	< 17 N									7800															
	A6359904	E099A	04/05/06										2400															
	A6813604	E099A	07/17/06										3400															
	A6B69805	E099A	10/06/06										4600															
	A7006205	E099A	01/03/07										3600															
	A7386004	E099A	04/16/07										2400															
	A7785804	E099A	07/13/07										3000															
	A6359901	E100A	04/05/06										3500															
	A6813601	E100A	07/17/06										4000															
	A6B69802	E100A	10/06/06										4200															
	A7006202	E100A	01/03/07										4000															
	A7386001	E100A	04/16/07										5000															
	A7785801	E100A	07/13/07										4800															
	A6359902	E101A	04/05/06										8900															
	A6813602	E101A	07/17/06										3000															
	A6B69803	E101A	10/06/06										11200															
	A7006203	E101A	01/03/07										9300															
	A7386002	E101A	04/16/07										7900															
	A7785802	E101A	07/13/07										2800															
	A7010901	E102A	01/04/07										12300															
	A7011101	E102A	01/04/07																									
	A7385701	E102A	04/16/07	3100	0.11 J		569				< 0.44	< 1		0.096 J														
	A7386101	E102A	04/16/07										17800															
	A7786101	E102A	07/13/07										10100															
	A7786002	E102AX	07/13/07																									
	WMI_X399	E123B	01/12/06																									
	WMI_X407	E123B	04/06/06	< 17	< 0.1		21.4				< 0.44	< 0.9		< 0.08														
	A6834603	E123B	07/20/06																									
	A6C57601	E123B	10/24/06																									
	A7016103	E123B	01/05/07																									
	A7385403	E123B	04/16/07	< 19	< 0.069		17				< 0.44	< 1		< 0.03														
	A7786003	E123B	07/13/07																									
	WMI_X400	E135A	01/12/06																									
	WMI_X408	E135A	04/06/06	3800	0.14 J		120				< 0.44	< 0.9		< 0.08														
	A6615104	E135A	05/31/06	9830	0.11 J	51400	148	< 0.2	7	6000	0.7 J	< 25	38100	< 2	< 5	4.8 J												
	A6743206	E135A	06/28/06	10300	< 1.5	51900	166	< 0.2	8	6500	< 5	< 25	45800	< 2	< 5	< 20												
	A6834604	E135A	07/20/06																									
	A6C57602	E135A	10/25/06																									
	A7016104	E135A	01/05/07																									
	A7385404	E135A	04/16/07	5300	< 0.069		155				< 0.44	< 1		< 0.03														
	A7626707	E135A	06/06/07	11800	< 1.5	57500	180		9.7	6800	< 1	< 10	65800	< 2	< 5	< 20												
	A7767607	E135A	07/10/07	12100		59700	180			6500			68200															
	A7786004	E135AX	07/13/07																									
	WMI_X401	E135B	01/12/06																									
	WMI_X409	E135B	04/06/06	< 17	< 0.1		65.6				< 0.44	< 0.9		< 0.08														

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	M13 IRON M13 µg/L	M14 LEAD M14 µg/L	M15 MAGNESIUM M15 µg/L	M16 MANGANESE M16 µg/L	M17 MERCURY M17 µg/L	M18 NICKEL M18 µg/L	M19 POTASSIUM M19 µg/L	M20 SELENIUM M20 µg/L	M21 SILVER M21 µg/L	M22 SODIUM M22 µg/L	M23 THALLIUM M23 µg/L	M24 VANADIUM M24 µg/L	M26 ZINC M26 µg/L	P04 ALDRIN P04 µg/L	P05 ALPHA-BHC P05 µg/L	P27 ENDRIN ALDEHYDE P27 µg/L	P31 GAMMA-CHLORDANE P31 µg/L	S024 3,3'-DI-CHLORO-BENZIDINE S024 µg/L	S050 BENZYL ALCOHOL S050 µg/L	S053 BIS(2-ETHYL-HEXYL) PHTHALATE S053 µg/L	S060 BUTYL-BENZYL-PHTHALATE S060 µg/L	S065 DIETHYL-PHTHALATE S065 µg/L	S067 DI-N-BUTYL-PHTHALATE S067 µg/L	S086 PHENAN-THRENE S086 µg/L	S087 PHENOL S087 µg/L
	A6615103	E135B	05/31/06	2140	0.12 J	32500	72.1	< 0.2	1.6 J	3400 j	< 5	< 25	16100	< 2	< 5	< 20												
	A6743205	E135B	06/28/06	2020	< 1.5	29500	66.8	< 0.2	1.6 J	3300	< 5	< 25	15400	< 2	< 5	< 20												
	A6834605	E135B	07/20/06																									
	A6C57603	E135B	10/25/06																									
	A7016105	E135B	01/05/07																									
	A7385405	E135B	04/16/07	120	< 0.069		69.6				< 0.44	< 1		< 0.03														
	A7626708	E135B	06/06/07	2200	0.13 J	34100	77		2.2 J	4100	< 1	< 10	21800	0.038 J	< 5	< 20												
	A7767608	E135B	07/10/07	2400		35600	75			4200			23100															
	A7786005	E135BX	07/13/07																									
	WMI_X402	E137A	01/12/06																									
	WMI_X410	E137A	04/06/06	1500	0.48		113				< 0.44	< 0.9		< 0.08														
	A6615107	E137A	05/31/06	10800	3.6	86500	254	< 0.2	16.4	5600	0.81 J	< 25	83600	< 2	5.9	17												
	A6749603	E137A	06/29/06	8800	1.3	76300	123	< 0.2	10.4	5000	< 5	< 25	83300	< 2	2.5 J	6.7 J												
	A6834606	E137A	07/20/06																									
	A6C57604	E137A	10/24/06																									
	A7016106	E137A	01/05/07																									
	A7385406	E137A	04/16/07	1900	< 0.069		62.9				< 0.44	< 1		< 0.03														
	A7610305	E137A	06/04/07	4800	< 1.5	74200	70		6.8	4100	< 1	< 10	70200	< 2	< 5	< 20												
	A7767605	E137A	07/10/07	5400		81400	72			4200			72000															
	A7786006	E137AX	07/13/07																									
	A6615106	E137B	05/31/06	7310	0.25 J	56800	55.8	< 0.2	6.3	38200 j	2.1	< 25	79700	< 2	< 5	< 20												
	A6749602	E137B	06/29/06	7110	0.14 J	52400	56.2	< 0.2	6.3	35200	< 5	< 25	77200	< 2	1.3 J	< 20												
	A7610304	E137B	06/04/07	6800	< 1.5	57400	62		7	27300	< 1	< 10	83900	< 2	< 5	< 20												
	A7767606	E137B	07/10/07	6100		56700	51			27500			81800															
	A6368806	E140	04/06/06	11500	0.35		413				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834607	E140	07/20/06																									
	A6B85104	E140	10/10/06																									
	A7016107	E140	01/05/07																									
	A7385407	E140	04/16/07	8600	< 0.069		188				< 0.44	< 1		< 0.03														
	A7786007	E140	07/13/07																									
	A7637102	E140A	06/07/07	756	< 1.5	51700	405		< 12	< 5000	< 1	< 10	46000	< 2	< 5	< 20												
	A6049408	E141A	01/12/06																									
	A6368807	E141A	04/06/06	4200	< 0.1 N		395				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834608	E141A	07/20/06																									
	A6C57605	E141A	10/25/06																									
	A7016108	E141A	01/05/07																									
	A7385408	E141A	04/16/07	1700	< 0.069		337				< 0.44	< 1		0.032 J														
	A7780606	E141A	07/12/07	487	< 1.5	49700	408		< 12	< 5000 N	< 1	< 10	42700	< 2	< 5	< 20												
	A7786008	E141AX	07/13/07																									
	A6049409	E141B	01/12/06																									
	A6368808	E141B	04/06/06	< 17 N	< 0.1 N		784				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834609	E141B	07/20/06																									
	A6C57606	E141B	10/25/06																									
	A7016109	E141B	01/05/07																									
	A7385409	E141B	04/16/07	< 19	< 0.069		778				0.58 J	< 1		< 0.03														
	A7786009	E141B	07/13/07																									
	A6778601	EW COMP	07/10/06		< 0.1			< 0.11	4.9		< 0.44	< 0.9		< 0.08		< 3.6	< 0.017	< 0.008	< 0.025		< 0.08		< 5	< 4	< 0.05	< 0.3	< 0.03	< 0.02
	A7765401	EW COMP	07/10/07		0.071 J			0.14 J	5.2		< 0.44 N	< 1 N		< 0.03 N		< 3.6 N	< 0.011 N	0.02 J	< 0.015 N		< 0.08 N		< 5 N	< 4 N	0.2 J	< 0.3 N	< 0.03 N	< 0.02 N
	A6049419	EW-01	01/12/06																									
	A6359501	EW-01	04/05/06	< 17 N	< 0.1 N		143				< 0.44 N	< 0.9 N		< 0.08 N														
	A6813402	EW-01	07/17/06																									
	A6B68501	EW-01	10/06/06																									
	A7011102	EW-01	01/04/07																									
	A7385419	EW-01	04/16/07	8700	< 0.069		509				< 0.44	< 1		0.1 J														
	A7765504	EW-01	07/10/07																									
	A6049420	EW-02	01/12/06																									
	A6359502	EW-02	04/05/06	< 17 N	< 0.1 N		46.3				< 0.44 N	< 0.9 N		< 0.08 N														
	A6813403	EW-02	07/17/06																									
	A6B68502	EW-02	10/06/06																									
	A7011103	EW-02	01/04/07																									

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	M13 IRON M13 µg/L	M14 LEAD M14 µg/L	M15 MAGNESIUM M15 µg/L	M16 MANGANESE M16 µg/L	M17 MERCURY M17 µg/L	M18 NICKEL M18 µg/L	M19 POTASSIUM M19 µg/L	M20 SELENIUM M20 µg/L	M21 SILVER M21 µg/L	M22 SODIUM M22 µg/L	M23 THALLIUM M23 µg/L	M24 VANADIUM M24 µg/L	M26 ZINC M26 µg/L	P04 ALDRIN P04 µg/L	P05 ALPHA-BHC P05 µg/L	P27 ENDRIN ALDEHYDE P27 µg/L	P31 GAMMA-CHLORDANE P31 µg/L	S024 3,3'-DI-CHLORO-BENZIDINE S024 µg/L	S050 BENZYL ALCOHOL S050 µg/L	S053 BIS(2-ETHYL-HEXYL) PHTHALATE S053 µg/L	S060 BUTYL-BENZYL-PHTHALATE S060 µg/L	S065 DIETHYL-PHTHALATE S065 µg/L	S067 DI-N-BUTYL-PHTHALATE S067 µg/L	S086 PHENAN-THRENE S086 µg/L	S087 PHENOL S087 µg/L
	A7385420	EW-02	04/16/07	9600	< 0.069		86				< 0.44	< 1		< 0.03														
	A7765505	EW-02	07/10/07																									
	A6049421	EW-03R	01/12/06																									
	A6359503	EW-03R	04/05/06	< 17 N	< 0.1 N		99.5				< 0.44 N	< 0.9 N		< 0.08 N														
	A6813404	EW-03R	07/17/06																									
	A6868503	EW-03R	10/06/06																									
	A7011104	EW-03R	01/04/07																									
	A7385702	EW-03R	04/16/07	8200	< 0.069		142				< 0.44	< 1		< 0.03														
	A7765506	EW-03R	07/10/07																									
EPA	E607005-01	MW_DYER	07/20/06														< 0.03	< 0.036	< 0.021	< 0.037	< 1.2	< 1.1	3	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8
EPA	ME3K57	MW_DYER	07/20/06	28900	9.1 Jj	61100	765	< 0.2 u	175	11700		< 10 u	24600	< 25 u	< 50 Ju	108												
	A7642805	MW_DYER	06/08/07	< 60	< 1.5	46900	82.7		< 12	< 5000	< 1	< 10	58600	< 2	< 5	< 20												
	A764-X01	MW_DYER	06/15/07																									
	A7676805	MW_DYER	06/15/07	< 60		45400	70.2			< 5000			54500															
EPA	E707001-01	MW_DYER	07/17/07	12500	5.4	60000	389	< 0.1	22.9 J	5770		< 0.4	53100	0.5 J	19.6 J	35.8 J					< 1.1	< 1	3.4 J	< 2.2	< 1.7	< 1.9	< 0.6	< 0.7
EPA	E707001-01RE	MW_DYER	07/17/07														< 0.037	< 0.045	< 0.027	< 0.046								
EPA	ME3K58	MW_DYER DUP	07/20/06	28700	13.8	60900	766	< 0.2 u	177	11600		< 10 u	24600	< 25 u	< 50 Ju	108												
	A6629204	MW-01	06/02/06	13100	4.7	78900	195	< 0.2	17.9	7800	< 5	< 25	131000	0.099 J	20.7	24.9												
	A6756904	MW-01	06/30/06	3080	0.43	70500	37.2	< 0.2	5.7	3700	< 5	1.5 J	140000	< 2	2.1 J	< 20												
	A7011301	MW-01	01/04/07			64300				2700			135000															
	A7349801	MW-01	04/09/07			69400				3000			134000															
	A7626711	MW-01	06/06/07	1600	< 1.5	67500	22		4	2600	0.66 J	< 10	134000	< 2	< 5	< 20												
	A7767603	MW-01	07/10/07	1600		69900	21			2700			137000															
	A6629206	MW-01 DUP	06/02/06	14200	5.1	82000	208	< 0.2	18.9	8300	0.66 J	< 25	135000	0.11 J	22.3	26.4												
	A7349804	MW-01 DUP	04/09/07			69800				2800			135000															
	A6629203	MW-01A	06/02/06	3960	0.1 J	61500	63.1	< 0.2	2.2 J	3400	0.44 J	< 25	112000	< 2	< 5	< 20												
	A6756903	MW-01A	06/30/06	4080	< 1.5	61500	57.9	< 0.2	2 J	3500	< 5	1.2 J	114000	< 2	< 5	< 20												
	A7011302	MW-01A	01/04/07			58600				3200			109000															
	A7354205	MW-01A	04/10/07			59600				3200			102000															
	A7626705	MW-01A	06/06/07	2100	< 1.5	59800	28		1.3 J	3100	< 1	< 10	111000	< 2	< 5	7.9 J												
	A7767604	MW-01A	07/10/07	2100		62600	30			3200			110000															
	A6609605	MW-01B	05/30/06	29.6 J	0.14 J	10400	6.3	< 0.2	< 40	800	0.62 J	< 25	37400	< 2	< 5	< 20												
	A6738302	MW-01B	06/27/06	42.2 J	< 1.5	10400	6	< 0.2	< 40	780	< 5	< 25	38100	< 2	< 5	< 20												
	A7011303	MW-01B	01/04/07			10400				780			38800															
	A7349802	MW-01B	04/09/07			10800				750			37400															
	A7626710	MW-01B	06/06/07	45 J	< 1.5	10400	8		< 12	710	< 1	< 10	37400	< 2	< 5	< 20												
	A7767602	MW-01B	07/10/07	49 J		10500	8.3			700			37100															
	A6756905	MW-01F	06/30/06	1960	< 1.5	67300	21.5		2.8 J	2900	< 5	< 25	136000	< 2	< 5	< 5												
	A6615101	MW-02	05/31/06	3110	0.12 J	82300	37.7	< 0.2	< 40	2400	< 5	< 25	28400	< 2	< 5	< 20												
	A6738304	MW-02	06/27/06	2680	< 1.5	74800	29.8	< 0.2	< 40	2100	< 5	< 25	26700	< 2	< 5	< 20												
	A7011304	MW-02	01/04/07			69600				1900			26400															
	A7354202	MW-02	04/10/07			74300				1900			21400															
	A7626706	MW-02	06/06/07	2200	< 1.5	78000	28		< 12	1900	< 1	< 10	20000	< 2	< 5	< 20												
	A7767601	MW-02	07/10/07	2200		78100	29			1800			18200															
	A6738303	MW-02 DUP	06/27/06	2760	< 1.5	76500	30.8	< 0.2	< 40	2100	< 5	< 25	26500	< 2	< 5	< 20												
	A6615102	MW-03	05/31/06	2690	0.4	69800	30.1	< 0.2	6	3800	0.8 J	< 25	188000	< 2	< 5	4.3 J												
	A6743203	MW-03	06/28/06	2400	< 1.5	61500	25.8	< 0.2	4.9	3300	< 5	< 25	177000	< 2	< 5	< 20												
	A7011305	MW-03	01/04/07			61000				3300			190000															
	A7354201	MW-03	04/10/07			62600				3300			184000															
	A7610301	MW-03	06/04/07	2400	< 1.5	60500	26		5.5	3200	< 1	< 10	187000	< 2	< 5	< 20												
	A7771909	MW-03	07/11/07	2400		61600	26			3300			179000															
	A7011307	MW-03 DUP	01/04/07			60700				3300			189000															
	A6609602	MW-03A	05/30/06	92700	67.3	150000	1430	< 0.2	123	34500	0.57 J	< 25	148000	0.59	126	383												
	A6749604	MW-03A	06/29/06	64000	9.4	91700	921	< 0.2	78.1	25700	< 5	< 25	132000	0.11 J	88.4	239												
	A7011306	MW-03A	01/04/07			4400				3000			96800															
	A7349803	MW-03A	04/09/07			4700				2600			86100															
	A7610303	MW-03A	06/04/07	300	0.2 J	4700	15		1.5 J	2700	< 1	< 10	88900	< 2	< 5	< 20												
	A7771910	MW-03A	07/11/07	150		4900	7.5			2400			87800															
	A6749605	MW-03AF	06/29/06	13800	10	24500	228		18.8	8900	< 5	< 25	126000	0.12 J	19.3	62												
	A7637104	MW-03ARE	06/07/07	148	< 1.5	< 5000	< 15		< 12	< 5000	< 1	< 10	83500	< 2	< 5	< 20												

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	M13 IRON M13 µg/L	M14 LEAD M14 µg/L	M15 MAGNESIUM M15 µg/L	M16 MANGANESE M16 µg/L	M17 MERCURY M17 µg/L	M18 NICKEL M18 µg/L	M19 POTASSIUM M19 µg/L	M20 SELENIUM M20 µg/L	M21 SILVER M21 µg/L	M22 SODIUM M22 µg/L	M23 THALLIUM M23 µg/L	M24 VANADIUM M24 µg/L	M26 ZINC M26 µg/L	P04 ALDRIN P04 µg/L	P05 ALPHA-BHC P05 µg/L	P27 ENDRIN ALDEHYDE P27 µg/L	P31 GAMMA-CHLORDANE P31 µg/L	S024 3,3'-DI-CHLORO-BENZIDINE S024 µg/L	S050 BENZYL ALCOHOL S050 µg/L	S053 BIS(2-ETHYL-HEXYL) PHTHALATE S053 µg/L	S060 BUTYL-BENZYL-PHTHALATE S060 µg/L	S065 DIETHYL-PHTHALATE S065 µg/L	S067 DI-N-BUTYL-PHTHALATE S067 µg/L	S086 PHENAN-THRENE S086 µg/L	S087 PHENOL S087 µg/L
	A6622503	MW-04	06/01/06	1330	0.43	64600	215	< 0.2	5.6	5600	1 J	< 25	112000	< 2	< 5	4.6 J												
	A6743201	MW-04	06/28/06	1630	< 1.5	70500	191	< 0.2	6.7	5500	< 5	< 25	106000	< 2	< 5	< 20												
	A7016201	MW-04	01/05/07			70400				5000			99900															
	A7363602	MW-04	04/11/07			69700				4700			94600															
	A7637106	MW-04	06/07/07	3560	< 1.5	68100	52.4		< 12	< 5000	< 1	< 10	92600	< 2	< 5	< 20												
	A7758903	MW-04	07/09/07	3700		70200	53			4700																		
	A6622505	MW-04 DUP	06/01/06	1350	0.36	65200	211	< 0.2	5.8	5700	0.92 J	< 25	114000	< 2	< 5	4.7 J												
	A6609601	MW-04A	05/30/06	10900	3.4	14000	144	< 0.2	17.3	8300	0.93 J	< 25	74600	0.1 J	27.2	35.4												
	A6738306	MW-04A	06/27/06	10900	4.1	14400	155	< 0.2	16.5	6100	< 5	< 25	74200	< 2	20.5	28												
	A6738306RA	MW-04A RA	06/27/06																									
	A6738306RE	MW-04A RE	06/27/06																									
	A6622502	MW-05	06/01/06	2350	0.25 J	59200	106	< 0.2	2.2 J	4000	0.52 J	< 25	96800	< 2	< 5	< 20												
	A6756902	MW-05	06/30/06	2580	< 1.5	62400	72.8	< 0.2	3.3 J	4200	< 5	1 J	104000	< 2	< 5	< 20												
	A7006703	MW-05	01/03/07			59700				3800			99000															
	A7354203	MW-05	04/10/07			60600				3800			94500															
	A7637105	MW-05	06/07/07	1510	< 1.5	58000	31.4		< 12	< 5000	< 1	< 10	92600	< 2	< 5	< 20												
	A7771902	MW-05	07/11/07	1300		57700	26			3600			92000															
	A7006704	MW-05 DUP	01/03/07			57900				3700			96400															
	A6609603	MW-06	05/30/06	1050	< 1.5	45000	14.6	< 0.2	< 40	1700	0.76 J	< 25	13200	< 2	< 5	< 20												
	A6738301	MW-06	06/27/06	1120	< 1.5	43500	14.6	< 0.2	< 40	1600	< 5	< 25	12700	< 2	< 5	< 20												
	A7006702	MW-06	01/03/07			42300				1500			13100															
	A7354204	MW-06	04/10/07			42500				1500			12600															
	A7626703	MW-06	06/06/07	1000	< 1.5	43500	13		1.3 J	1500	0.52 J	< 10	13200	< 2	< 5	< 20												
	A7771905	MW-06	07/11/07	920		44000	14			1500			13700															
	A7626713	MW-06 DUP	06/06/07	990	< 1.5	43700	16		2.4 J	1500	0.52 J	< 10	13400	< 2	< 5	< 20												
	A6629202	MW-07	06/02/06	2220	0.45	72900	57	< 0.2	2 J	3300	0.46 J	< 25	73400	< 2	< 5	5.4 J												
	A6743207	MW-07	06/28/06	1370	< 1.5	64800	16.3	< 0.2	2 J	3000	< 5	< 25	74600	< 2	< 5	< 20												
	A7006701	MW-07	01/03/07			62700				3000			75800															
	A7363601	MW-07	04/11/07			65400				3000			77500															
	A7619303	MW-07	06/05/07	1200	< 1.5	62700	18		3.3 J	2900	< 1	< 10	74100	< 2	< 5	< 20												
	A7771903	MW-07	07/11/07	1300		65200	15			3000			78700															
	A6743209	MW-07 DUP	06/28/06	1340	0.26 J	66300	15.8	< 0.2	1.6 J	2900	< 5	< 25	74700	< 2	< 5	5.1 J												
	A7363603	MW-07 DUP	04/11/07			64700				3000			75100															
	A7619306	MW-07S	06/05/07	34 J	< 1.5	36200	130		< 12	1700	< 1	< 10	56000	< 2	1 J	< 20												
	A7771904	MW-07S	07/11/07	83		37500	200			1900			57000															
	A7619310	MW-07S DUP	06/05/07	60 J	< 1.5	35300	120		< 12	1700	< 1	< 10	54400	< 2	0.8 J	< 20												
	A7610302	MW-08A	06/04/07	130	0.081 J	47900	420		1.8 J	1700	< 1	< 10	22100	< 2	0.9 J	8.2 J												
	A7771908	MW-08A	07/11/07	100		62000	550			1700			17800															
	A7780607	MW-09	07/12/07	801	< 1.5	62300	318		< 12	< 5000 N	< 1	< 10	94700	< 2	< 5	< 20												
	A7619302	MW-09A	06/05/07	610	0.088 J	59900	300		3 J	3100	< 1	< 10	94700	< 2	< 5	< 20												
	A7619309	MW-10	06/05/07	< 60	< 1.5	58600	330		1.4 J	2300	< 1	< 10	60300	< 2	1.2 J	< 20												
	A7780602	MW-10	07/12/07	104	< 1.5	58300	185		< 12	< 5000 N	< 1	< 10	59700	< 2	< 5	< 20												
	A7619301	MW-10A	06/05/07	680	< 1.5	58600	200		< 12	2500	< 1	< 10	18600	< 2	< 5	< 20												
	A7780603	MW-10A	07/12/07	725	< 1.5	57900	185		< 12	< 5000 N	< 1	< 10	17800	< 2	< 5	< 20												
	A7619308	MW-11A	06/05/07	320	0.17 J	1400	14		1.5 J	1400	< 1	< 10	118000	< 2	1.2 J	< 20												
	A7780604	MW-11A	07/12/07	3270	1.54	< 5000	49.6		< 12	< 5000 N	< 1	< 10	94800	< 2	9.8	< 20												
	A7626701	MW-13A	06/06/07	900	0.2 J	38000	320		2.2 J	3900	0.44 J	< 10	29300	< 2	< 5	< 20												
	A7767611	MW-13A	07/10/07	430		42700	430			2600			27100															
	A7626702	MW-13S	06/06/07	33 J	< 1.5	35900	42		< 12	1700	0.76 J	< 10	38400	< 2	1 J	< 20												
	A7767610	MW-13S	07/10/07	< 60		36300	2.6			1600			29500															
	A7637103	MW-14A	06/07/07	1740	< 1.5	60700	609		< 12	< 5000	< 1	< 10	110000	< 2	< 5	< 20												
	A7758901	MW-14A	07/09/07	2600		65000	500			3900			99300															
	A7626712	MW-15A	06/06/07	73	0.08 J	64900	1300		4.2	4500	0.54 J	< 10	81900	< 2	1.3 J	4 J												
	A7767612	MW-15A	07/10/07	84		67200	1300			5200			80200															
	A7626709	MW-17	06/06/07	160	0.11 J	3300	21		< 12	1500	0.91 J	< 10	78800	< 2	3.2	< 20												
	A7771906	MW-17	07/11/07	1700		3900	36			2300			75000															
	A7626704	MW-17A	06/06/07	200	0.13 J	61000	160		4.5	2600	< 1	< 10	48000	< 2	0.8 J	< 20												
	A7771907	MW-17A	07/11/07	470		61900	84			2700			49800															
EPA	E607005-19	P064A	07/20/06														< 0.031	< 0.038	< 0.023	< 0.039	< 1.3	< 1.2	55	< 2.6	< 2	4.4	< 0.7	< 0.9
EPA	ME3K60	P064A	07/20/06	637	< 10 u	68600	40.7	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	29800	< 25 u	< 50 Ju	< 60 Ju												

Table 7A (continued)
Summary of Non-VOC Constituents in Monitoring Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	M13 IRON µg/L	M14 LEAD µg/L	M15 MAGNESIUM µg/L	M16 MANGANESE µg/L	M17 MERCURY µg/L	M18 NICKEL µg/L	M19 POTASSIUM µg/L	M20 SELENIUM µg/L	M21 SILVER µg/L	M22 SODIUM µg/L	M23 THALLIUM µg/L	M24 VANADIUM µg/L	M26 ZINC µg/L	P04 ALDRIN µg/L	P05 ALPHA-BHC µg/L	P27 ENDRIN ALDEHYDE µg/L	P31 GAMMA-CHLORDANE µg/L	S024 3,3'-DI-CHLORO-BENZIDINE µg/L	S050 BENZYL ALCOHOL µg/L	S053 BIS(2-ETHYL-HEXYL) PHTHALATE µg/L	S060 BUTYL-BENZYL-PHTHALATE µg/L	S065 DIETHYL-PHTHALATE µg/L	S067 DI-N-BUTYL-PHTHALATE µg/L	S086 PHENAN-THRENE µg/L	S087 PHENOL µg/L
EPA	E706003-07	P064A	06/26/07	260	< 0.5	75000	55.4	< 0.1	0.9 J	2000 J		< 0.4	31300	< 0.3	0.6 J	14.2 J	< 0.031	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	92	< 2.4	< 1.9	< 2.1	< 0.6	< 0.8
EPA	E607005-24	P064B	07/20/06																		< 1.2	< 1.1	15	< 2.4	< 1.8	< 2	< 0.6	< 0.8
EPA	E607005-24RE	P064B	07/20/06														0.11	< 0.04	< 0.024	< 0.041								
EPA	ME3K61	P064B	07/20/06	250	< 10 u	14200	35.6	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	58300	< 25 u	< 50 Ju	< 60 Ju												
EPA	E706003-05	P064B	06/26/07	299	< 0.5	21000	36.5	< 0.1	< 0.9	1220 J		< 0.4	51600	< 0.3	< 0.2	9.1 J	< 0.032	< 0.039	< 0.023	< 0.04	< 1.7	< 1.6	4.8 J	< 3.4	< 2.7	< 3	< 0.9	< 1.2
	A6049424	P064C	01/12/06																									
	A6368819	P064C	04/06/06	< 17 N	0.11 J		42.8				< 0.44 N	< 0.9 N		< 0.08 N														
	A6615105	P064C	05/31/06	2120	0.12 J	58000	72.3	< 0.2	2.1 J	3800 j	0.45 J	< 25	81500	< 2	< 5	6 J												
	A6749607	P064C	06/29/06	1650	< 1.5	50600	49.5	< 0.2	2.2 J	3500	< 5	1.1 J	74600	< 2	< 5	< 20												
	A6834620	P064C	07/20/06																									
EPA	E607005-16	P064C	07/20/06														< 0.031	< 0.037	< 0.022	< 0.038	< 1.1	< 1	54	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K62	P064C	07/20/06	2440	< 10 u	57300	50.5	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	78200	< 25 u	< 50 Ju	< 60 Ju												
	A6C57611	P064C	10/24/06																									
	A7016120	P064C	01/05/07																									
	A7385705	P064C	04/16/07	100	< 0.069		52.1				< 0.44	< 1		< 0.03														
	A7619305	P064C	06/05/07	1600	< 1.5	48500	56		1.5 J	3300	< 1	< 10	58000	< 2	< 5	6.8 J												
EPA	E706003-06	P064C	06/26/07	2260	5.6	56500	49.9	< 0.1	2 J	3840 J		< 0.4	56900	< 0.3	< 0.2	13.4 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.5	< 2.4	< 1.8	< 2	< 0.6	< 0.8
	A7780605	P064C	07/12/07	1890	< 1.5	50800	43.9		< 12	< 5000 N	< 1	< 10	57900	< 2	< 5	< 20												
	A6749607RE	P064C RE	06/29/06																									
	A7786018	P064CX	07/13/07																									
	A6049425	P067A	01/12/06																									
	A6368820	P067A	04/06/06	< 17 N	< 0.1 N		0.6				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834621	P067A	07/20/06																									
	A6C57612	P067A	10/24/06																									
	A7011106	P067A	01/04/07																									
	A7385706	P067A	04/16/07	< 19	< 0.069		0.5 J				< 0.44	< 1		< 0.03														
	A7786019	P067A	07/13/07																									
EPA	ME3K59	PZ_DYER	07/19/06	8330	< 10 u	73000	280	< 0.2 u	10.3 Jj	< 5000 Ju		< 10 u	19600	< 25 u	< 50 Ju	< 60 Ju												
	A7642804	PZ_DYER	06/08/07	446	< 1.5	43600	42.2		< 12	< 5000	< 1	< 10	20700	< 2	< 5	< 20												
	A764-X04	PZ_DYER	06/15/07																									
	A7676806	PZ_DYER	06/15/07	516		51300	32.8			< 5000			21300															
EPA	E707001-02	PZ_DYER	07/17/07	1750	1.3 J	55600	47.9	< 0.1	3.1 J	2440 J		< 0.4	20400	< 0.3	2.3 JK	11.1 J	< 0.03	< 0.036	< 0.022	< 0.037	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
	A7642807	PZ_MOOSE	06/08/07	66.3	< 1.5	32100	67		< 12	< 5000	< 1	< 10	25200	< 2	< 5	< 20												
	A764-X02	PZ_MOOSE	06/15/07																									
	A7676808	PZ_MOOSE	06/15/07	< 60		32300	41.1			< 5000			23800															
	A7642806	PZ_STAGECOACH	06/08/07	611	< 1.5	54600	< 15		< 12	< 5000	< 1	< 10	95600	< 2	< 5	21.7												
	A764-X03	PZ_STAGECOACH	06/15/07																									
	A7676807	PZ_STAGECOACH	06/15/07	899		59900	15.4			< 5000			91600															
EPA	E707002-04	STAGECOACH	07/18/07	1750	4.8	62100	28.3	< 0.1	4 J	3090 J		< 0.4	37800	< 0.6	1.5 JK	22.2 J	< 0.033	< 0.04	< 0.024	< 0.041	< 1.2	< 1.1	4.5 J	< 2.3	< 1.8	3.8 J	< 0.6	< 0.8
	A6049426	TW_62	01/12/06																									
	A6368821	TW_62	04/06/06	< 17 N	< 0.1 N		50.7				< 0.44 N	< 0.9 N		< 0.08 N														
	A6834622	TW_62	07/20/06																									
	A6C57613	TW_62	10/25/06																									
	A7016121	TW_62	01/05/07																									
	A7385707	TW_62	04/16/07	1400	< 0.069		39.6				< 0.44	< 1		< 0.03														
	A7786020	TW_62	07/13/07																									
	A6051401	TW_74R	01/13/06	2900									6400															
	A6051501	TW_74R	01/13/06																									
	A6359505	TW_74R	04/05/06	< 17 N	< 0.1 N		135				< 0.44 N	< 0.9 N		< 0.08 N														
	A6359601	TW_74R	04/05/06										5700															
	A6813201	TW_74R	07/17/06	320									6000															
	A6813406	TW_74R	07/17/06																									
	A6885112	TW_74R	10/10/06																									
	A6886102	TW_74R	10/10/06										7000															
	A7010902	TW_74R	01/04/07										6800															
	A7011107	TW_74R	01/04/07																									
	A7385708	TW_74R	04/16/07	380	0.49		422				< 0.44	< 1		< 0.03														
	A7386102	TW_74R	04/16/07										6700															
	A7786102	TW_74R	07/13/07										7900															
	A7786021	TW_74RX	07/13/07																									

[1] Entity = organization collecting samples, Blank = MSGRG or WMWI.
[2] Parameter names consolidated under a generic parameter name (i.e., dissolved or total dropped).

Table 7B
Summary of Non-VOC Constituents in Private Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD MV	OXYGEN, DISSOLVED MG/L	PH, FIELD SU	ALKALINITY AS CACO3 MG/L	CHLORIDE MG/L	COD MG/L	CYANIDE, TOTAL MG/L	FLUORIDE MG/L	HARDNESS AS CACO3, TOTAL MG/L	NITROGEN, AMMONIA MG/L	NITROGEN, NITRATE MG/L	NITROGEN, TOTAL KJELDAHL MG/L	SOLIDS, TOTAL DISSOLVED MG/L	SULFATE MG/L	TOC MG/L	ALUMINUM µg/L	ANTIMONY µg/L	ARSENIC µg/L	BARIUM µg/L	BERYLLIUM µg/L	CADMIUM µg/L	CALCIUM µg/L	CHROMIUM µg/L	COBALT µg/L	COPPER µg/L
EPA	ME3K54	CO.PARK 1	07/19/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	38.5 Jj	< 5 u	< 5 u	18700	< 10 u	< 50 u	9.3 Jj
EPA	E607005-21	CO.PARK 1	07/20/06																									
EPA	E706003-03	CO.PARK 1	06/26/07							< 0.002	1.2								< 7.1	< 1	< 0.5	43 J	< 0.2	< 0.1	19700	1 J	< 0.4	11.7 J
EPA	E706003-09	CO.PARK 1 DUP	06/26/07							< 0.002	1.2								< 7.1	< 1	< 0.5	39.1 J	< 0.2	< 0.1	20100	0.7 J	< 0.4	10.8 J
	A6743202	CO.PARK 2	06/28/06				324	28		0.0076 J			< 0.02	0.046	< 1		79	1.1 J	53.3 J	< 0.5	1	58.2	< 0.2	< 0.2	81600	< 10	< 6	1.6 J
EPA	ME3K53	CO.PARK 2	07/19/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	55.8 Jj	< 5 u	< 5 u	77900	< 10 u	< 50 u	< 25 u
EPA	E607005-20	CO.PARK 2	07/20/06																									
EPA	E706003-02	CO.PARK 2	06/26/07							< 0.002	0.34 J								< 7.1	< 1	1.3 J	62.1 J	< 0.2	< 0.1	82000	0.9 J	0.4 J	15.7 J
	A6622504	CW07	06/01/06	-78	1.61	7.13	330	15.8		0.0076 J			0.11	< 0.05	< 1		53.6	0.51 J	76.4 J	< 0.5	< 2	47.4	< 0.2	0.19	10000	8.7	1.2 J	< 25
	A6749606	CW07	06/29/06	-113	0.47	6.86	279	16.4		0.0076 J			0.08	< 0.05	< 1		53.3	0.77 J	82.1 J	< 0.5	3.9	109	< 0.2	< 0.2	80900	< 10	< 6	1.3 J
	A701-X02	CW07	01/05/07	-146	0.79	7.27																						
	A7619307	CW07	06/05/07	-15	0.41	7.14	426	19.7					0.08	< 0.05	< 1		65.6	0.64 J	< 200	< 0.5	4.4	104	< 0.2	< 0.5	74900	< 5	1.6 J	< 10
	A7758902	CW07	07/09/07	-31	0.06	7.54	327	16.4					0.071	< 0.05	0.29		53	1.3							78000			
EPA	E607004-03	PW_02	07/18/06																									
EPA	ME3K45	PW_02	07/18/06							< 0.01 u									< 200 u	< 60 u	< 10 u	37 Jj	< 5 u	< 5 u	89600	< 10 u	< 50 u	< 25 u
EPA	E706002-02	PW_02	06/25/07							< 0.002	0.24 J								31.4 J	< 1	< 0.5	43.6 J	< 0.2	< 0.1	98500	1 J	< 0.4	3 J
EPA	ME3K56	PW_08	07/19/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	3.6 Jj	< 5 u	< 5 u	< 5000 Ju	< 10 u	< 50 u	< 25 u
EPA	E607005-26	PW_08	07/20/06																									
EPA	E706002-03	PW_08	06/25/07							< 0.002	0.26 J								< 7.1	< 1	< 0.5	4 J	< 0.2	< 0.1	4020 J	< 0.4	0.5 J	2.6 J
EPA	E706002-04	PW_08	06/25/07							< 0.002	0.3 J								< 7.1	< 1	< 0.5	16.8 J	< 0.2	< 0.1	9340	0.6 J	0.6 J	2.8 J
EPA	E607005-22	PW_09	07/20/06																									
EPA	ME3K63	PW_09	07/20/06							< 0.01 u									< 200 Ju	< 60 u	5 Jj	< 200 Ju	< 5 u	< 5 u	97200	< 10 u	< 50 u	< 25 u
EPA	E706003-04	PW_09	06/26/07							< 0.002	0.44								< 7.1	< 1	3.8	197 J	< 0.2	< 0.1	101000	1.2 J	0.6 J	7.9 J
EPA	E607005-10	PW_14	07/20/06																									
EPA	ME3K70	PW_14	07/20/06							< 0.01 u									< 200 Ju	< 60 u	6.5 Jj	17.4 Jj	< 5 u	< 5 u	11700	< 10 u	< 50 u	< 25 u
EPA	E707002-07	PW_14	07/19/07							< 0.002	2.1								< 7.1	< 1	6.8	18.9 J	< 0.2	< 0.1	13300	1 JK	< 0.4	1.5 J
	A7642802	PW_22	06/08/07	-138	1.98	7.57	484	318					0.03	< 0.05	0.16 J		49	1.2	< 200	< 0.5	< 5	192	< 0.2	< 0.5	112000	< 5	< 8	< 10
	A764-X06	PW_22	06/15/07	-17	1.44	7.54																						
	A7676802	PW_22	06/15/07				450	255					0.024 J	< 0.05	< 1		50	1 J							112000			
EPA	E706004-01	PW_22	06/27/07							< 0.002	0.32 J								7.2 JL	< 1	2.7	215	< 0.2	< 0.1	118000	1.2 J	< 0.4	2.8 J
EPA	E707001-05	PW_22 DUP	07/17/07							< 0.002	0.22 J								< 7.1	< 1	3.4	163 J	< 0.2	< 0.1	87300	1.3 JK	< 0.4	2.2 J
EPA	E607005-12	PW_29	07/20/06																									
EPA	ME3K72	PW_29	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	0.36 J	< 5 u	< 5 u	< 5000 Ju	1.1 Jj	< 50 u	2.4 Jj
EPA	E707002-03	PW_29	07/18/07							< 0.002	0.45								< 7.1	< 1	5.8	123 J	< 0.2	< 0.1	70400	1.1 JK	0.5 J	1.6 J
EPA	ME3K51	PW_41	07/19/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	89.8 Jj	< 5 u	< 5 u	45000	< 10 Ju	< 50 u	< 25 u
EPA	E607005-08	PW_41	07/20/06																									
EPA	E707002-01	PW_41	07/18/07							< 0.002	0.75								< 7.1	< 1	4.8	93.8 J	< 0.2	< 0.1	47900	0.4 JK	< 0.4	2.9 J
EPA	ME3K71	PW_52	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	79.4 Jj	< 5 u	< 5 u	89600	< 10 u	< 50 u	13.5 Jj
EPA	E607005-06	PW_AVITRANO	07/20/06																									
EPA	ME3K66	PW_AVITRANO	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	6.6 Jj	< 5 Ju	< 5 u	< 5000 Ju	< 10 u	< 50 u	2 Jj
	A7642801	PW_AVITRANO	06/08/07	-114	2.18	7.33	450	173					< 0.02	< 0.05	0.18 J		14.7	1.1 J	< 200	< 0.5	< 5	87.1	< 0.2	< 0.5	71500	< 5	< 8	< 10
	A764-X05	PW_AVITRANO	06/15/07	-22	2.73	8.02																						
	A7676804	PW_AVITRANO	06/15/07				281	180		< 0.01			< 0.02	< 0.05	< 1		5	0.82 J							55800			
EPA	E706004-02	PW_AVITRANO	06/27/07							< 0.002	0.24 J								< 7.1	< 1	3.2	190 J	< 0.2	0.1 J	107000	1 J	< 0.4	3.1 J
EPA	E707001-06	PW_AVITRANO	07/17/07							< 0.002	0.2 J								< 7.1	< 1	1.9 J	59.1 J	< 0.2	< 0.1	50600	1.1 JK	< 0.4	3.5 J
EPA	E707002-09	PW_AVITRANO	07/19/07							< 0.002	0.4								< 7.1	< 1	6.3	210	< 0.2	< 0.1	100000	1.2 JK	< 0.4	2.2 J
EPA	E706004-07	PW_AVITRANO D	06/27/07							< 0.002 J	0.36 J								< 7.1	< 1	3	186 J	< 0.2	< 0.1	106000	1 J	< 0.4	2.7 J
EPA	E607005-18	PW_47	07/20/06																									
EPA	ME3K64	PW_47	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	40.1 Jj	< 5 u	< 5 u	25500	< 10 u	< 50 u	< 25 u
EPA	E706003-08	PW_47	06/26/07							< 0.002	1.1								< 7.1	< 1	1.5 J	40 J	< 0.2	< 0.1	24600	0.8 J	< 0.4	108
EPA	E607005-04	PW_49 Dup	07/20/06																									
EPA	ME3K76	PW_49 Dup	07/20/06							< 0.01 u									< 200 u	< 60 u	< 10 u	51.5 Jj	< 5 u	< 5 u	27400	< 10 u	< 50 u	5.5 Jj
EPA	E706003-01	PW_49	06/26/07							< 0.002	1.1								< 7.1	< 1	2.4	54.6 J	< 0.2	< 0.1	26900	0.5 J	< 0.4	9 J
EPA	E607005-14	PW_49	07/20/06																									
EPA	ME3K75	PW_49	07/20/06							< 0.01 u									< 200 u	< 60 u	< 10 u	51 Jj	< 5 u	< 5 u	26500	< 10 u	< 50 u	2 Jj
EPA	E607003-02	PW_44	07/19/06																									
EPA	ME3K48	PW_44	07/19/06							< 0.01 u									< 200 u	< 60 u	4.7 Jj	42.5 Jj	< 5 u	< 5 u	25800	< 10 u	< 50 u	2.2 Jj
EPA	E707001-04	PW_48 Dup	07/17/07							< 0.002	1.1								10.2 J	< 1	2.3	51 J	< 0.2	< 0.1	25700	0.6 JK	< 0.4	2.1 J
EPA	E607005-17	PW_48	07/20/06																									

Table 7B (continued)
Summary of Non-VOC Constituents in Private Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	ORP, FIELD MV	OXYGEN, DISSOLVED MG/L	F07 PH, FIELD SU	ALKALINITY AS CACO3 MG/L	CHLORIDE MG/L	COD MG/L	CYANIDE, TOTAL MG/L	FLUORIDE MG/L	HARDNESS AS CACO3, TOTAL MG/L	NITROGEN, AMMONIA MG/L	NITROGEN, NITRATE MG/L	NITROGEN, TOTAL KJELDAHL MG/L	SOLIDS, TOTAL DISSOLVED MG/L	SULFATE MG/L	TOC MG/L	ALUMINUM µg/L	ANTIMONY µg/L	ARSENIC µg/L	BARIUM µg/L	BERYLLIUM µg/L	CADMIUM µg/L	CALCIUM µg/L	CHROMIUM µg/L	COBALT µg/L	COPPER µg/L
EPA	ME3K65	PW_48	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	< 200 Ju	< 5 u	< 5 u	25600	< 10 u	< 50 u	< 25 u
EPA	E707001-03	PW_46	07/17/07							< 0.002	1.1								12.4 J	< 1	2.1	50.3 J	< 0.2	< 0.1	25900	0.7 JK	< 0.4	3.3 J
EPA	E607003-03	PW_50	07/19/06																									
EPA	ME3K50	PW_50	07/19/06							< 0.01 u									< 200 u	< 60 u	< 10 u	174 Jj	< 5 u	< 5 u	88600	< 10 u	< 50 u	< 25 u
EPA	E607005-03	PW_50	07/20/06																									
EPA	ME3K78	PW_50	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	< 200 Ju	< 5 u	< 5 u	24600	< 10 u	< 50 u	3.1 Jj
EPA	E706004-04	PW_50	06/27/07							< 0.002	1.2								< 7.1	< 1	1.4 J	62.4 J	< 0.2	< 0.1	25600	0.5 J	< 0.4	30.6
EPA	E607004-02	PW_M DUP	07/18/06																									
EPA	ME3K47	PW_M DUP	07/18/06							< 0.01 u									< 200 u	< 60 u	4.9 Jj	127 Jj	< 5 u	< 5 u	66800	< 10 u	< 50 u	1.9 Jj
EPA	E607005-23	PW_M HENNEBERRY	07/20/06																									
EPA	ME3K77	PW_M HENNEBERRY	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	48.3 Jj	< 5 u	< 5 u	28300	< 10 u	< 50 u	1.8 Jj
EPA	E607004-01	PW_M	07/18/06																									
EPA	ME3K46	PW_M	07/18/06							< 0.01 u									< 200 u	< 60 u	< 10 u	125 Jj	< 5 u	< 5 u	65300	< 10 u	< 50 u	4.2 Jj
	A7642803	PW_M	06/08/07	-51	3.12	7.5	401	280					0.17	< 0.05	0.42		40.4	1.4	< 200	< 0.5	< 5	150	< 0.2	< 0.5	89200	< 5	< 8	< 10
	A764-X07	PW_M	06/15/07	-16	5.5	7.42																						
	A7676801	PW_M	06/15/07				292	229					0.15	< 0.05	0.48		30.8	1.2							66000			
EPA	E706003-10	PW_M	06/26/07							< 0.002	0.51								< 7.1	< 1	6	161 J	< 0.2	< 0.1	92600	1.3 J	0.5 J	3.8 J
EPA	E607005-15	PW_42	07/20/06																									
EPA	ME3K74	PW_42	07/20/06							< 0.01 u									< 200 Ju	< 60 u	5.8 Jj	188 Jj	< 5 Ju	< 5 u	104001	< 10 u	< 50 u	< 25 u
EPA	E707002-02	PW_42	07/18/07							< 0.002	0.45								< 7.1	< 1	2.5	202	< 0.2	< 0.1	107000	1.4 JK	< 0.4	2.6 J
EPA	E607003-01	PW_46	07/19/06																									
EPA	E706002-01	PW_46	06/25/07							< 0.002	1.1								< 7.1	< 1	1.9 J	65.9 J	< 0.2	< 0.1	34500	0.5 J	< 0.4	13.6 J
EPA	ME3K52	PW_PRIES	07/19/06							< 0.01 u									< 200 Ju	< 60 Ju	< 10 u	76.9 Jj	< 5 u	< 5 u	51300	< 10 u	< 50 u	< 25 u
EPA	E607005-07	PW_PRIES	07/20/06																									
EPA	E706002-05	PW_PRIES	06/25/07							< 0.002	0.79								15.5 J	< 1	5.4	81.8 J	< 0.2	< 0.1	52900	0.6 J	< 0.4	2.4 J
EPA	E607005-11	PW_52	07/20/06																									
EPA	E707002-08	PW_52	07/19/07							< 0.002	0.56								< 7.1	< 1	1.1 J	81.7 J	< 0.2	< 0.1	90000	1.2 JK	0.8 J	7.7 J*
EPA	E607005-09	PW_12	07/20/06																									
EPA	ME3K69	PW_12	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	229	< 5 Ju	< 5 u	126999	< 10 u	< 50 u	6.9 Jj
	A6756901	PW_SEYBOLD	06/30/06	-187	0.51	6.93	183	2.7		0.0076 J			0.13	< 0.05	< 1		10.8	0.64 J	63.9 J	< 0.5	3.4	133	< 0.2	< 0.2	30300	< 10	< 6	< 25
	A6067202	PW_THIELE	01/18/06			8.84	89.4	340	5.7		0.11	308				606	< 0.16 N				2.4	28.7		< 0.05 N		< 0.9 N		7.2
	A6353702	PW_THIELE	04/04/06			7.42	86	361	< 1.1 N		0.23	331				625	3.4				10.7	61.5		< 0.05 N		0.5 J		4.5
	A6609604	PW_THIELE	05/30/06	-124	4.76	7.42	339	362		0.0076 J			0.1	0.022 J	< 1		29	0.84 J	60.7 J	< 0.5	6.5	152	< 0.2	< 0.2	92100	< 10	< 6	< 25
	A6743204	PW_THIELE	06/28/06	-185	0.41	7.18	231	373		0.0076 J			0.081	< 0.05	< 1		29.8	1.8	56.5 J	< 0.5	6.9	135	< 0.2	< 0.2	87700	< 10	< 6	< 25
	A6778502	PW_THIELE	07/10/06			7.28	238	352	< 1.1		0.35	458				815	24.4				6.8	124		< 0.05		< 0.44		< 0.83
	A6B89702	PW_THIELE	10/11/06			7.32	217	362	13.9		0.29	470				910	25.1				12.4	137		0.19		1.5 J		20.2
	A7032402	PW_THIELE	01/10/07			7.52	88.6	459	16		0.14	323				659	2				6.3	59.3		0.19		0.7 J		6.7 J
	A7334202	PW_THIELE	04/04/07			7.19	178	441	14.4		0.29	471				780	21.3				7.1	143		< 0.035		< 0.84		< 1.3
	A7803602	PW_THIELE	07/17/07			7.27	193	361	< 2.5 N		0.29	463				979	18.4				6.8	142		< 0.035 N		< 0.84 N		< 1.3 N
EPA	E607005-05	PW_TVITRANO	07/20/06																									
EPA	ME3K67	PW_TVITRANO	07/20/06							< 0.01 u									< 200 Ju	< 60 u	8.9 Jj	< 200 Ju	< 5 u	< 5 u	7090	< 10 u	< 50 u	< 25 u
EPA	E706004-03	PW_TVITRANO	06/27/07							< 0.002	0.29 J								16.8 JL	< 1	4.7	172 J	< 0.2	< 0.1	61000	1.4 J	1.4 J	4.4 J
EPA	E607005-13	PW-22	07/20/06																									
EPA	ME3K73	PW-22	07/20/06							< 0.01 u									< 200 Ju	< 60 u	< 10 u	170 Jj	< 5 Ju	< 5 u	99999	< 10 u	< 50 u	< 25 u
EPA	ME3K49	PW_46	07/19/06							< 0.01 u									< 200 u	< 60 u	< 10 u	< 200 u	< 5 u	< 5 u	< 5000 Ju	< 10 u	< 50 u	4.4 Jj

Table 7B (continued)
Summary of Non-VOC Constituents in Private Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	IRON µg/L	LEAD µg/L	MAGNESIUM µg/L	MANGANESE µg/L	MERCURY µg/L	NICKEL µg/L	POTASSIUM µg/L	SELENIUM µg/L	SILVER µg/L	SODIUM µg/L	THALLIUM µg/L	VANADIUM µg/L	ZINC µg/L	ALDRIN µg/L	ALPHA-BHC µg/L	ENDRIN ALDEHYDE µg/L	GAMMA-CHLOR-DANE µg/L	3,3'-DICHLORO-BENZIDINE µg/L	BENZYL ALCOHOL µg/L	BIS (2-ETHYL-HEXYL) PHTHALATE µg/L	BUTYL-BENZYL-PHTHALATE µg/L	DIETHYL-PHTHA-LATE µg/L	DI-N-BUTYL-PHTHA-LATE µg/L	PHENAN-THRENE µg/L	PHENOL µg/L
EPA	ME3K54	CO.PARK 1	07/19/06	1040	< 10 u	32700	16.2	< 0.2 Ju	< 40 u	< 5000 Ju		< 10 u	14200	< 25 u	< 50 u	390												
EPA	E607005-21	CO.PARK 1	07/20/06														< 0.031	< 0.037	< 0.022	< 0.038	4.4	< 1.1	2.9	< 2.4	< 1.9	< 2.1	< 0.6	< 0.8
EPA	E706003-03	CO.PARK 1	06/26/07	903	1.2 J	34000	21.4	< 0.1	< 0.9	997 J		< 0.4	13600	< 0.3	< 0.2	145	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	3.1 J	< 2.5	< 1.9	< 2.2	< 0.6	< 0.8
EPA	E706003-09	CO.PARK 1 DUP	06/26/07	1070	1.3 J	35100	19.3	< 0.1	< 0.9	1020 J		< 0.4	14100	< 0.3	< 0.2	124	< 0.03	< 0.036	< 0.022	< 0.037	< 1.2	< 1.1 J	< 2.5	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8 J
	A6743202	CO.PARK 2	06/28/06	310	0.28 J	49600	24.4	< 0.2	< 40	2000	< 5	< 25	9400	< 2	< 5	20.7												
EPA	ME3K53	CO.PARK 2	07/19/06	< 100 Ju	< 10 u	50700	21.6	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	9430	< 25 u	< 50 Ju	< 60 Ju												
EPA	E607005-20	CO.PARK 2	07/20/06														< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	8.8	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E706003-02	CO.PARK 2	06/26/07	522	2 J	52500	18.9	< 0.1	< 0.9	2110 J		< 0.4	9910	< 0.3	0.3 J	120	< 0.03	< 0.036	< 0.022	< 0.037	< 1.2	< 1.1	< 2.5	< 2.4	< 1.9	< 2.1	< 0.6	< 0.8
	A6622504	CW07	06/01/06	< 100	0.1 J	5600	4.3	< 0.2	8.2	800	0.59 J	< 25	18700	< 2	< 5	7.2 J												
	A6749606	CW07	06/29/06	1010	< 1.5	50400	47.6	< 0.2	4 J	1600	< 5	< 25	5900	0.12 J	< 5	5.3 J												
	A701-X02	CW07	01/05/07																									
	A7619307	CW07	06/05/07	860	0.14 J	46500	48		3.6 J	1400	< 1	< 10	5600	< 2	< 5	4 J												
	A7758902	CW07	07/09/07	960		48900	48			1400			6200															
EPA	E607004-03	PW_02	07/18/06														< 0.03	< 0.036	< 0.022	< 0.037	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	ME3K45	PW_02	07/18/06	< 100 u	< 10 u	31900	64.8	< 0.2 Ju	< 40 u	< 5000 Ju		< 10 u	22800	< 25 u	< 50 u	< 60 Ju												
EPA	E706002-02	PW_02	06/25/07	10.2 J	< 0.5	36100	62.7	< 0.1	1.9 J	2560 J		< 0.4	23800	< 0.3	< 0.2	21.4 J	< 0.031	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	< 2.5	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8
EPA	ME3K56	PW_08	07/19/06	3020	< 10 u	57500	21.1	< 0.2 u	1.3 Jj	< 5000 Ju		< 10 u	101001	< 25 u	< 50 u	< 60 u												
EPA	E607005-26	PW_08	07/20/06														< 0.031	< 0.037	< 0.022	0.043	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E706002-03	PW_08	06/25/07	1440	< 0.5	63000	16.4	< 0.1	2 J	4000 J		< 0.4	94600	< 0.3	< 0.2	< 3.1	< 0.03	< 0.036	< 0.021	< 0.037	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E706002-04	PW_08	06/25/07	2210	< 0.5	64200	22.1	< 0.1	1.8 J	4080 J		< 0.4	93700	< 0.3	< 0.2	< 3.1	< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E607005-22	PW_09	07/20/06														< 0.032	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	3	< 2.3	< 1.8	5.8	< 0.6	< 0.8
EPA	ME3K63	PW_09	07/20/06	8040	< 10 u	66200	42.8	< 0.2 u	2.7 Jj	< 5000 Ju		< 10 u	99700	< 25 u	< 50 Ju	978												
EPA	E706003-04	PW_09	06/26/07	6340	< 0.5	68800	31.5	< 0.1	5.2 J	2720 J		< 0.4	92500	< 0.3	< 0.2	586	< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.7
EPA	E607005-10	PW_14	07/20/06														< 0.032	< 0.039	< 0.023	< 0.04	< 1.2	< 1.1	< 2.6	< 2.5	< 1.9	< 2.2	< 0.6	< 0.8
EPA	ME3K70	PW_14	07/20/06	490	< 10 u	10800	11.8 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	45300	< 25 u	< 50 u	2.3 Jj												
EPA	E707002-07	PW_14	07/19/07	536	0.6 J	12100	11.9 J	< 0.1	< 0.9	874 J		< 0.4	38000	< 0.3	0.8 JK	9.7 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
	A7642802	PW_22	06/08/07	3720	< 1.5	63000	29		< 12	< 5000	< 1	< 10	109000	< 2	< 5	< 20												
	A764-X06	PW_22	06/15/07																									
	A7676802	PW_22	06/15/07	3020		64900	32			< 5000			108000															
EPA	E706004-01	PW_22	06/27/07	7680 K	< 0.5	70700	37.3	< 0.1 J	2.7 J	4010 J		< 0.4	106000	< 0.6	< 0.2	61.5	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E707001-05	PW_22 DUP	07/17/07	8420	< 0.5	64600	92.1	< 0.1	2 J	3730 J		< 0.4	105000	< 0.6	< 0.2	28 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.7
EPA	E607005-12	PW_29	07/20/06														< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	43	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K72	PW_29	07/20/06	< 100 Ju	< 10 u	< 5000 Ju	0.22 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	129000	< 25 u	< 50 u	10.2 Jj												
EPA	E707002-03	PW_29	07/18/07	368	0.7 J	41500	8 J	< 0.1	1 J	2000 J		< 0.4	7690	< 0.6	< 0.2	10 J	< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	R	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	R
EPA	ME3K51	PW_41	07/19/06	287	< 10 u	32300	< 15 Ju	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	14600	< 25 u	< 50 u	< 60 Ju												
EPA	E607005-08	PW_41	07/20/06														< 0.029	< 0.035	< 0.021	< 0.036	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E707002-01	PW_41	07/18/07	256	< 0.5	33300	5.8 J	< 0.1	< 0.9	1650 J		< 0.4	13100	< 0.3	< 0.2	7.5 J	< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	< 1	2.9 J	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K71	PW_52	07/20/06	897	< 10 u	49400	21.9	0.065 Jj	1.9 Jj	< 5000 Ju		< 10 u	34800	< 25 u	< 50 Ju	22.5 Jj												
EPA	E607005-06	PW_AVITRANO	07/20/06														< 0.029	< 0.035	< 0.021	< 0.036	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	1.7
EPA	ME3K66	PW_AVITRANO	07/20/06	5540	< 10 u	33700	50	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	93100	< 25 u	< 50 u	24.6 Jj												
	A7642801	PW_AVITRANO	06/08/07	1820	< 1.5	56700	235		< 12	< 5000	< 1	< 10	85400	< 2	< 5	< 20												
	A764-X05	PW_AVITRANO	06/15/07																									
	A7676804	PW_AVITRANO	06/15/07	4010		56800	265			< 5000			82600															
EPA	E706004-02	PW_AVITRANO	06/27/07	3170 K	< 0.5	63700	40.1	< 0.1	2.8 J	3290 J		< 0.4	82600	< 0.6	< 0.2	16.8 J	< 0.03	< 0.036	< 0.022	< 0.038	< 1.2	< 1.1 J	< 2.5	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8 J
EPA	E707001-06	PW_AVITRANO	07/17/07	14500	0.9 J	61700	385	< 0.1	2.3 J	3140 J		< 0.4	79300	< 0.6	< 0.2	13.6 J	< 0.031	< 0.038	< 0.023	< 0.039	< 1.1	R	3.3 J	< 2.3	< 1.8	< 2	< 0.6	R
EPA	E707002-09	PW_AVITRANO	07/19/07	9400	< 0.5	69000	62	< 0.1	1.5 J	2880 J		< 0.4	38600	< 0.6	< 0.2	96.3	< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	3.1 J	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E706004-07	PW_AVITRANO D	06/27/07	2680 K	< 0.5	62900	34.7	< 0.1 J	2.7 J	3190 J		< 0.4	81700	< 0.3	< 0.2	12.5 J	< 0.037	< 0.045	< 0.027	< 0.046	< 1.2	< 1.1	4.1 J	< 2.4	< 1.9	< 2.1	< 0.6	< 0.8
EPA	E607005-18	PW_47	07/20/06														< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K64	PW_47	07/20/06	387	< 10 u	18200	4.5 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	36700	< 25 u	< 50 u	3.3 Jj												
EPA	E706003-08	PW_47	06/26/07	366	< 0.5	19000	4.8 J	< 0.1	< 0.9	1090 J		0.6 J	32700	< 0.3	< 0.2	8.5 J	< 0.032	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	4.6 J	< 2.4	< 1.8	< 2	< 0.6	< 0.8
EPA	E607005-04	PW_49 Dup	07/20/06														< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K76	PW_49 Dup	07/20/06	421	< 10 u	21100	8.6 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	33200	< 25 u	< 50 u	4.9 Jj												
EPA	E706003-01	PW_49 Dup	06/26/07	598	0.8 J	21800	8.4 J	< 0.1	< 0.9	1020 J		< 0.4	29300	< 0.3	< 0.2	13.3 J	< 0.031	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	< 2.5	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8
EPA	E607005-14	PW_49	07/20/06														< 0.035	< 0.043	< 0.026	< 0.044	< 1.3	< 1.1	55	< 2.5	< 2	< 2.2	< 0.6	< 0.9
EPA	ME3K75	PW_49	07/20/06	405	< 10 u	20400	8.2 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	32800	< 25 u	< 50 u	2.1 Jj												
EPA	E607003-02	PW_44	07/19/06														< 0.03	< 0.036	< 0.022	< 0.038	r	r	r	r	r	r	r	r
EPA	ME3K48	PW_44	07/19/06	297	< 10 u	21200	2.3 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	29800	< 25 u	< 50 u	< 60 Ju												
EPA	E707001-04	PW_48 Dup	07/17/07	723	< 0.5	20600	9.7 J	< 0.1	< 0.9	1120 J		< 0.4	30400	< 0.3	0.3 JK	4.1 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.5	< 2.4	< 1.8	< 2	< 0.6	< 0.8
EPA	E607005-17	PW_48 Dup	07/20/06														< 0.032	< 0.038	0.044	< 0.04	< 1.2	< 1.1	3.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8

Table 7B (continued)
Summary of Non-VOC Constituents in Private Wells
2006 through July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	IRON M13 µg/L	LEAD M14 µg/L	MAGNESIUM M15 µg/L	MANGANESE M16 µg/L	MERCURY M17 µg/L	NICKEL M18 µg/L	POTASSIUM M19 µg/L	SELENIUM M20 µg/L	SILVER M21 µg/L	SODIUM M22 µg/L	THALLIUM M23 µg/L	VANADIUM M24 µg/L	ZINC M26 µg/L	ALDRIN P04 µg/L	ALPHA-BHC P05 µg/L	ENDRIN ALDEHYDE P27 µg/L	GAMMA-CHLOR-DANE P31 µg/L	3,3'-DICHLORO-BENZIDINE S024 µg/L	BENZYL ALCOHOL S050 µg/L	BIS (2-ETHYL-HEXYL) PHTHALATE S053 µg/L	BUTYL-BENZYL-PHTHALATE S060 µg/L	DIETHYL-PHTHA-LATE S065 µg/L	DI-N-BUTYL-PHTHA-LATE S067 µg/L	PHENAN-THRENE S086 µg/L	PHENOL S087 µg/L
EPA	ME3K65	PW_48	07/20/06	527	< 10 u	20300	< 15 Ju	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	33700	< 25 u	< 50 Ju	< 60 u												
EPA	E707001-03	PW_48	07/17/07	698	< 0.5	20800	9.7 J	< 0.1	1.2 J	1100 J		< 0.4	30500	< 0.3	< 0.2	3.5 J	< 0.031	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E607003-03	PW_50	07/19/06														< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	2.9	3	< 1.8	4.1	1.6	< 0.8
EPA	ME3K50	PW_50	07/19/06	9630	< 10 u	59600	62.5	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	39300	< 25 u	< 50 u	74.3												
EPA	E607005-03	PW_50	07/20/06														< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	0.6	< 0.8
EPA	ME3K78	PW_50	07/20/06	361	< 10 u	18900	4.2 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	35300	< 25 u	< 50 u	20.5 Jj												
EPA	E706004-04	PW_50	06/27/07	405 K	70.5	20200	4.7 J	< 0.1 J	< 0.9	1010 J		< 0.4	32100	< 0.3	< 0.2	50.5 J	< 0.03	< 0.036	< 0.022	< 0.038	< 1.2	< 1.1	15	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8
EPA	E607004-02	PW_M DUP	07/18/06														< 0.03	< 0.036	< 0.022	< 0.037	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	2.2	1	< 0.8
EPA	ME3K47	PW_M DUP	07/18/06	1980	< 10 u	50700	17.8	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	70100	< 25 u	< 50 u	141												
EPA	E607005-23	PW_M HENNEBERRY	07/20/06														< 0.032	< 0.039	< 0.023	< 0.04	< 1.2	1.3	6.7	< 2.3	< 1.8	< 2	0.7	< 0.8
EPA	ME3K77	PW_M HENNEBERRY	07/20/06	< 100 Ju	< 10 u	21300	8 Jj	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	34800	< 25 u	< 50 Ju	25.6 Jj												
EPA	E607004-01	PW_M	07/18/06														< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.5	< 2.4	< 1.8	< 2.1	< 0.6	< 0.8
EPA	ME3K46	PW_M	07/18/06	1950	< 10 u	50200	17.7	< 0.2 Ju	< 40 u	< 5000 Ju		< 10 u	68800	< 25 u	< 50 u	136												
	A7842803	PW_M	06/08/07	845	< 1.5	59300	< 15		< 12	< 5000	< 1	< 10	81200	< 2	< 5	< 20												
	A764-X07	PW_M	06/15/07																									
	A7676801	PW_M	06/15/07	1730		66200	30.8			< 5000			80000															
EPA	E706003-10	PW_M	06/26/07	1890	0.6 J	65600	11.8 J	< 0.1	3.4 J	2390 J		< 0.4	77900	< 0.3	< 0.2	75	< 0.032	< 0.038	< 0.023	< 0.039	< 1.2	< 1.1	3.6 J	< 2.4	< 1.9	< 2.1	< 0.6	< 0.8
EPA	E607005-15	PW_42	07/20/06														< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K74	PW_42	07/20/06	4140	< 10 u	64700	79.3	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	55600	< 25 u	< 50 u	57.2 Jj												
EPA	E707002-02	PW_42	07/18/07	3740	0.8 J	67600	64.9	< 0.1	2.2 J	3220 J		< 0.4	51400	< 0.6	< 0.2	50.4 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	2.5 J	< 2.4	< 1.8	< 2	< 0.6	< 0.8
EPA	E607003-01	PW_46	07/19/06														< 0.03	< 0.036	< 0.022	< 0.038	< 1.2	< 1.1	< 2.6	< 2.4	< 1.9	< 2.1	0.7	< 0.8
EPA	E706002-01	PW_46	06/25/07	462	0.9 J	26700	7.7 J	< 0.1	< 0.9	1190 J		< 0.4	26800	< 0.3	0.5 J*	38.6 J	< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K52	PW_PRIES	07/19/06	572	< 10 u	40900	< 15 Ju	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	18100	< 25 u	< 50 Ju	< 60 Ju												
EPA	E607005-07	PW_PRIES	07/20/06														< 0.03	< 0.036	< 0.021	< 0.037	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E706002-05	PW_PRIES	06/25/07	584	< 0.5	41600	8.4 J	< 0.1	< 0.9	1690 J		< 0.4	15000	< 0.3	< 0.2	6.6 J	< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E607005-11	PW_52	07/20/06														< 0.03	< 0.036	< 0.022	0.041	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E707002-08	PW_52	07/19/07	744	1.3 J	51200	22	< 0.1	2.7 J	2150 J		< 0.4	30700	< 0.6	< 0.2	12.5 J	< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	< 0.8
EPA	E607005-09	PW_12	07/20/06														< 0.031	< 0.037	< 0.022	< 0.038	< 1.2	< 1.1	< 2.4	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K69	PW_12	07/20/06	3300	< 10 u	75000	50.6	0.086 Jj	3.7 Jj	< 5000 Ju		< 10 u	144000	< 25 u	< 50 u	249												
	A6756901	PW_SEYBOLD	06/30/06	662	0.12 J	15900	5.5	< 0.2	< 40	2200	< 5	< 25	35800	< 2	< 5	98.5												
	A6067202	PW_THIELE	01/18/06	3100	1.5		73.8	< 0.15 N			< 0.44 N	< 0.9 N				82												
	A6353702	PW_THIELE	04/04/06	21800	1.8		75.9	< 0.15 N			< 0.44 N	< 0.9 N				1370												
	A6609604	PW_THIELE	05/30/06	3450	1.8	60400	16.8	< 0.2	2.9 J	2700	1.1 J	< 25	113000	< 2	< 5	20												
	A6743204	PW_THIELE	06/28/06	3390	0.47	57500	13.2	< 0.2	3.5 J	2600	< 5	< 25	108000	< 2	< 5	10.7 J												
	A6778502	PW_THIELE	07/10/06	4200	0.32 J		23.3	< 0.11			< 0.44	< 0.9				60.6												
	A6B89702	PW_THIELE	10/11/06	20700	11.2		60.4	< 0.11			< 0.44	1.6 J				819												
	A7032402	PW_THIELE	01/10/07	12400	3		91.4	< 0.12			< 0.44	< 1				555												
	A7334202	PW_THIELE	04/04/07	3600	0.35		15.1	< 0.12			< 0.44	< 1				45												
	A7803602	PW_THIELE	07/17/07	3500	0.33		16.3	< 0.12 N			< 0.44 N	< 1 N				58.2												
EPA	E607005-05	PW_TVITRANO	07/20/06														< 0.03	< 0.036	< 0.021	< 0.037	< 1.1	< 1	< 2.3	< 2.2	< 1.7	< 1.9	< 0.6	2.9
EPA	ME3K67	PW_TVITRANO	07/20/06	3890	< 10 u	25900	18.6	< 0.2 u	2 Jj	< 5000 Ju		< 10 u	88700	< 25 u	< 50 u	< 60 Ju												
EPA	E706004-03	PW_TVITRANO	06/27/07	12000 K	< 0.5	52600	115	< 0.1 J	5 J	2920 J		< 0.4	84700	< 0.3	< 0.2	221	< 0.032	< 0.039	< 0.023	< 0.04	< 1.2	< 1.1	4.4 J	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	E607005-13	PW-22	07/20/06														< 0.03	< 0.036	< 0.022	< 0.038	< 1.1	< 1	52	< 2.3	< 1.8	< 2	< 0.6	< 0.8
EPA	ME3K73	PW-22	07/20/06	4450	< 10 u	66100	42.6	< 0.2 u	0.92 Jj	4040 Jj		1.3 Jj	117000	< 25 u	< 50 Ju	66.9												
EPA	ME3K49	PW_46	07/19/06	< 100 u	< 10 u	< 5000 u	< 15 u	< 0.2 u	< 40 u	< 5000 Ju		< 10 u	117000	< 25 u	< 50 u	< 60 Ju												

(1) Entity = organization collecting samples, Blank = MSGRG or WMWI.
(2) Parameter names consolidated under a generic parameter name (i.e., dissolved or total dropped).

Table 8A

Phase 1 Vertical Groundwater Screening Results

	UNITS	DR-1 DRILLING WATER	DR02 DRILLING WATER	TRIP 02	TRIP 03	MW01A	MW02	TRIP 01	MW05	MW05	MW05 TRIP BLANK	MW05 FB01	MW07	MW07	DUP 01 OF MW07
Collection date		11/4/05	1/27/06	11/7/05	11/15/05	11/15/05	11/3/05	11/3/05	1/10/06	1/11/06	1/11/06	1/11/06	12/12/05	12/13/05	12/13/05
Sample depth (feet)						76-86	73-83		108-115	118-128			218-228	228-238	228-238
Vinyl chloride	(ug/L)	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.047 J	1.5	<0.018	<0.018	0.79	0.56	0.57
cis-1,2-DCE	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.097 J	<0.06	<0.06	<0.06	<0.06	<0.06
Trichloroethene	(ug/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.046 J	0.038 J
Dichlorodifluoromethane	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.13 J	<0.06	<0.06	0.11 J	0.11 J	0.11 J
Benzene	(ug/L)	<0.05	<0.05	<0.05	<0.05	<0.05	0.11 J	<0.05	0.09 J	0.07 J	<0.05	0.61	<0.05	0.13 J	0.13
1,2,4-Trimethylbenzene	(ug/L)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	<0.08
Carbon disulfide	(ug/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.25 J	0.25 J
2-Butanone	(ug/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.61 J	0.52 J	<0.4	<0.4	1.8	1.4	1.1 J
THF	(ug/L)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	1.5 J,B	<0.7	1.1 J	<0.7	<0.7	<0.7	<0.7	<0.7
Chloroethane	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichlorofluoromethane	(ug/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	(ug/L)	<1.5	2.8 J	<1.5	<1.5	<1.5	2 J	1.6 J	<1.5	<1.5	<1.5	3.8 J	<1.5	<1.5	<1.5
Chloroform	(ug/L)	3.4	2.6	<0.07	<0.07	<0.07	0.45	<0.07	0.54	0.38	<0.07	4	<0.07	0.2 J	0.19 J
Bromodichloromethane	(ug/L)	2.4	2.2	<0.04	<0.04	<0.04	0.11 J	<0.04	0.28	0.19	<0.04	1.3	<0.04	0.13 J	0.13 J
Toluene	(ug/L)	0.77	<0.08	<0.08	<0.08	0.18 J	0.19 J	<0.08	0.22 J	0.23 J	<0.08	0.15 J	<0.08	0.36	0.34
Ethylbenzene	(ug/L)	0.42	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.058 J	<0.05	0.072 J	<0.05	<0.05	<0.05
m&p-Xylene	(ug/L)	0.44	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.2 J	<0.12	<0.12	<0.12
o-Xylene	(ug/L)	0.29	<0.04	<0.04	<0.04	<0.04	0.04 J	<0.04	<0.04	0.049 J	<0.04	0.13 J	<0.04	<0.04	<0.04
Dibromochloromethane	(ug/L)	2.3	1.7	<0.09	<0.09	<0.09	<0.09	<0.09	0.15 J	0.11 J	<0.09	0.56	<0.09	<0.09	<0.09
Bromoform	(ug/L)	0.48	0.28	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chloromethane	(ug/L)	<0.05	0.07 J	<0.05	<0.05	<0.05	<0.05	0.081 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride	(ug/L)	<0.11	0.31 J	<0.11	<0.11	<0.11	<0.11	0.78 B	<0.11	<0.11	2.9	2.9	<0.11	<0.11	<0.11
4-Methyl-2-pentanone	(ug/L)	1.2	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Isopropyl benzene	(ug/L)	0.038 J	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.037 J	0.052 J	<0.03	0.036 J	0.042 J	0.048 J	0.049 J
Field Parameters															
pH (units)	(ug/L)	NM	NM	NM	NM	8.12	7.19	NM	7.04	7.02	NM	NM	7.08	7.42	7.42
Conductivity (μs/cm)	(ug/L)	NM	NM	NM	NM	365	837	NM	779	1327	NM	NM	1301	1261	1261
ORP (millivolts)	(ug/L)	NM	NM	NM	NM	-27	-132	NM	-9	-90	NM	NM	-71	-464	-464
Dissolved oxygen (milligrams/liter)	(ug/L)	NM	NM	NM	NM	0.08	0.48	NM	1.33	0	NM	NM	0	0	0
Turbidity (NTU)	(ug/L)	NM	NM	NM	NM	>1,000	>1,000	NM	740	116	NM	NM	0.92	>1000	>1000
Temperature (°C)	(ug/L)	NM	NM	NM	NM	11.9	17.6	NM	6.4	8.5	NM	NM	9.4	8.5	8.5

Notes:

B = analyte detected in associated Method Blank.

J = estimated value.

Light font (i.e., Acetone through Isopropyl benzene) constituents detected in drilling water.

NM = Not Measured

Date: 3/30/06

By: P. Popp

Checked: N. Keller

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Table 8A (continued)
Vertical Groundwater Screening Results

	UNITS	TRIP BLANK	MW01A	TRIP BLANK	MW01A	MW01A	FB 02	DUP 002 OF MW01A	MW01A	MW01A	DR02 DRILLING WATER	TRIP BLANK	MW04	MW04
Collection date		12/13/05	1/24/06	1/24/06	1/25/06	1/26/06	1/26/06	1/26/06	1/26/06	1/27/06	1/27/06	1/27/06	2/22/06	2/23/06
Sample depth (feet)			118-128		128-138	158-168		128-138	178-188	188-198			28-38	38-48
Vinyl chloride	(ug/L)	<0.018	1.8	<0.018	5.7	2.1	<0.018	5.7	<0.018	<0.018	<0.018	<0.018	<0.018	0.59
cis-1,2-DCE	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichloroethene	(ug/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichlorodifluoromethane	(ug/L)	<0.06	0.13 J	<0.06	0.19	0.097 J	<0.06	0.22	<0.06	<0.06	<0.06	<0.06	<0.06	0.068 J
Benzene	(ug/L)	<0.05	0.83 J	<0.05	<0.05	0.052 J	0.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trimethylbenzene	(ug/L)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Carbon disulfide	(ug/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.06	<0.1	<0.1	<0.1
2-Butanone	(ug/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
THF	(ug/L)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Chloroethane	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.07	<0.06	<0.06	<0.06
Trichlorofluoromethane	(ug/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	(ug/L)	<1.5	<1.5	2.1 J	<1.5	1.6 J	<1.5	<1.5	<1.5	3.2 J	2.8 J	4.3 J	<1.5	<1.5
Chloroform	(ug/L)	<0.07	0.18 J	<0.07	0.28	0.25	3.7	0.29	0.51	0.55	2.6	<0.07	0.16 J	0.41
Bromodichloromethane	(ug/L)	<0.04	0.1 J	<0.04	0.15	0.11 J	1.4	0.13 J	0.23	0.2	2.2	<0.04	0.084 J	0.23
Toluene	(ug/L)	<0.08	0.64	<0.08	0.17 J	0.12 J	0.13 J	0.2 J	0.32	0.47	<0.08	<0.08	0.084	0.17 J
Ethylbenzene	(ug/L)	<0.05	0.062 J	<0.05	0.054 J	<0.05	0.065 J	0.051 J	0.067 J	0.055 J	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	(ug/L)	<0.12	<0.12	<0.12	0.12 J	<0.12	0.22 J	0.12 J	0.16 J	0.12	<0.12	<0.12	<0.12	<0.12
o-Xylene	(ug/L)	<0.04	<0.04	<0.04	0.045 J	<0.04	0.15	0.051 J	0.055 J	0.043	<0.04	<0.04	<0.04	0.043 J
Dibromochloromethane	(ug/L)	<0.09	<0.09	<0.09	0.12 J	<0.09	0.86	0.12 J	0.13 J	0.13 J	1.7	<0.09	<0.09	<0.09
Bromoform	(ug/L)	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.28	<0.07	<0.07	<0.07
Chloromethane	(ug/L)	0.082 J	<0.05	<0.05	<0.05	<0.05	0.094 J	<0.05	<0.05	0.063 J	0.07 J	<0.05	0.10 J	0.12 J
Methylene chloride	(ug/L)	<0.11	<0.11	2.5	<0.11	<0.11	<0.11	<0.11	<0.11	0.47	0.31 J	3.6	0.23 J	0.56
4-Methyl-2-pentanone	(ug/L)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Isopropyl benzene	(ug/L)	<0.03	<0.03	<0.03	0.048 J	0.04 J	0.037 J	0.04 J	0.034 J	<0.03	<0.03	<0.03	<0.03	0.042 J
Field Parameters														
pH (units)	(ug/L)	NM	7.2	NM	7.05	7.29	7.05	NM	7.84	7.09	NM	NM	6.84	6.74
Conductivity (µs/cm)	(ug/L)	NM	1175	NM	1389	1154	1389	NM	726	860	NM	NM	1263 J	1284
ORP (millivolts)	(ug/L)	NM	-505	NM	-43	-60	-43	NM	69	-191	NM	NM	-44	-77
Dissolved oxygen (milligrams/liter)	(ug/L)	NM	0	NM	-	-	-	NM	-	-	NM	NM	0	0
Turbidity (NTU)	(ug/L)	NM	>1000	NM	6.47	>1000	6.47	NM	81.3	135	NM	NM	519	132
Temperature (°C)	(ug/L)	NM	11.3	NM	7.7	8.3	7.7	NM	6.1	8.2	NM	NM	10.5	10.7

Notes:

B = analyte detected in associated Method Blank.

J = estimated value.

Light font (i.e., Acetone through Isopropyl benzene) constituents detected in drilling water.

NM = Not Measured

Date: 3/30/06

By: P. Popp

Checked: N. Keller

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Table 8A (continued)
Vertical Groundwater Screening Results

	UNITS	MW04	TRIP BLANK	MW04	TRIP BLANK	MW04	TRIP BLANK	MW04	MW04	MW04	MW04
Collection date		2/24/06	2/22/06	2/27/06	2/27/06	2/28/06	2/28/06	3/1/06	3/2/06	3/3/06	3/3/06
Sample depth (feet)		48-58		58-68		68-78		78-88	88-98	98-108	108-118
Vinyl chloride	(ug/L)	0.83	<0.018	1.0	<0.018	0.68	<0.018	<0.018	0.079	<0.018	<0.018
cis-1,2-DCE	(ug/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichloroethene	(ug/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichlorodifluoromethane	(ug/L)	0.11 J	<0.06	0.10 J	<0.06	0.092 J	<0.06	<0.06	<0.06	<0.06	<0.06
Benzene	(ug/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trimethylbenzene	(ug/L)	< 0.08	< 0.08	< 0.08	< 0.08	0.10 J	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Carbon disulfide	(ug/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Butanone	(ug/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
THF	(ug/L)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Chloroethane	(ug/L)	0.14 J	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Trichlorofluoromethane	(ug/L)	<0.05	<0.05	0.063 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	(ug/L)	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Chloroform	(ug/L)	0.34	<0.07	0.29	<0.07	0.48	<0.07	<0.07	<0.07	<0.07	<0.07
Bromodichloromethane	(ug/L)	0.20	<0.04	0.15	<0.04	0.23	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	(ug/L)	0.18 J	<0.08	0.21 J	<0.08	0.23 J	<0.08	<0.08	<0.08	<0.08	<0.08
Ethylbenzene	(ug/L)	<0.05	<0.05	0.052 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	(ug/L)	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
o-Xylene	(ug/L)	0.069 J	<0.04	0.070 J	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibromochloromethane	(ug/L)	<0.09	<0.09	<0.09	<0.09	0.18 J	<0.09	<0.09	<0.09	<0.09	<0.09
Bromoform	(ug/L)	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chloromethane	(ug/L)	0.057 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride	(ug/L)	0.68	3.6	1.2	2.1	2.6	2.2	<0.11	<0.11	<0.11	<0.11
4-Methyl-2-pentanone	(ug/L)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Isopropyl benzene	(ug/L)	0.048 J	<0.03	0.047 J	<0.03	0.040 J	<0.03	<0.03	<0.03	<0.03	<0.03
Field Parameters											
pH (units)	(ug/L)	6.75	NM	6.94	NM	6.85	NM	7.03	6.98	7.33	7.79
Conductivity (μs/cm)	(ug/L)	1436	NM	1505	NM	1530	NM	1151	1295	762	536
ORP (millivolts)	(ug/L)	-76	NM	-251	NM	-34	NM	-83	-89	-141	-60
Dissolved oxygen (milligrams/liter)	(ug/L)	0	NM	0	NM	0	NM	0	0	0	0
Turbidity (NTU)	(ug/L)	11.8	NM	101	NM	10.4	NM	20.3	10.4	4.44	223
Temperature (°C)	(ug/L)	11.1	NM	8.6	NM	10.1	NM	8.5	8.8	10.7	8.8

Notes:

B = analyte detected in associated Method Blank.

J = estimated value.

Light font (i.e., Acetone through Isopropyl benzene) constituents detected in drilling water.

NM = Not Measured

Date: 3/30/06

By: P. Popp

Checked: N. Keller

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Table 8B

Phase 2 Vertical Groundwater Screening Results

	UNITS	NR 140 ES	NR 140 PAL	MW00A 45-55 5/8/07	MW00A 65-75 5/8/07	MW00A 75-85 5/9/07	MW00 55-65 5/14/07	MW00 65-75 5/14/07	MW00 75-85 5/15/07	MW00 85-95 5/15/07	MW10A 115-125 4/22/07	MW10A 125-135 4/22/07	MW10A 135-145 4/22/07	MW10A 145-155 4/22/07	MW10A 165-175 5/4/07	MW10A 195-205 5/0/07	MW10A 215-225 5/5/07	MW10A 225-235 5/5/07	MW11A 35-45	MW11A 185-195 4/10/07	MW13 20-25 4/10/07	MW13 25-35 4/10/07	MW13 35-45 4/10/07	MW13 45-55 4/20/07
VOCs																								
Vinyl chloride	µg/L	0.2	0.02	<0.018	<0.018	<0.018	0.72	0.62	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
cis-1,2-DCE	µg/L	70	7	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trans 1,2-DCE	µg/L	100	20	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
TCE	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.061
Dichlorodifluoromethane	µg/L	1000	200	<0.05	<0.05	<0.05	0.53	0.46	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1-1,DCA	µg/L	850	85	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
1,2-Dichloropropane	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/L	5	0.5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.059	<0.04	0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.074	<0.04	<0.04
Isopropylbenzne	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Propylbenzene	µg/L	NE	NE	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
1,3,5 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon disulfide	µg/L	1000	200	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-Butanone	µg/L	NE	NE	<0.05	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-DCA	µg/L	5	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
THF	µg/L	50	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	µg/L	1000	200	<1.3	1.9	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	8.6	<1.3	<1.3	2.4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Chlorobenzene	µg/L	NE	NE	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.054	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroethane	µg/L	400	80	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/L	NE	NE	<0.05	<0.05	<0.05	0.095	0.079	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MTBE	µg/L	60	12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Butylbenzene	µg/L	NE	NE	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
PCE	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	0.087	0.092	0.1	0.2	<0.05	<0.05	<0.05	0.14	0.18	0.088	0.084	0.14	0.14
Chloroform	µg/L	6	0.6	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.28	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.089	<0.04
Bromodichloromethane	µg/L	0.6	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.31	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.077	<0.04
Toluene	µg/L	1,000	200	0.15	<0.05	<0.05	0.083	0.13	0.12	0.12	<0.05	0.095	0.15	<0.05	0.4	<0.05	<0.05	0.15	0.27	1.7	0.099	0.25	0.095	<0.05
Ethylbenzene	µg/L	700	140	<0.05	<0.05	<0.05	<0.05	0.071	<0.05	0.069	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.068	<0.05	<0.05
m&p Xylene	µg/L	10,000 (1)	1,000 (1)	<0.09	<0.09	<0.09	0.12	0.17	<0.09	0.18	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	0.11	0.092	<0.09
o Xylene	µg/L	10,000 (1)	1,000 (1)	<0.05	<0.05	<0.05	<0.05	0.057	<0.05	0.058	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.052	<0.05	<0.05
Chlorodibromomethane	µg/L	NE	NE	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	0.33	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029
Bromoform	µg/L	4.4	0.44	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chloromethane	µg/L	3	0.3	0.16	0.19	<0.05	<0.05	<0.05	0.18	0.13	<0.05	<0.05	<0.05	<0.05	0.31	0.17	0.17	0.066	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride	µg/L	5	0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.15	<0.15	<0.15	<0.15	0.38	<0.15	0.19	0.39	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Field Parameters																								
pH	SU	--	--	7.38	7.53	7.49	7.51	7.51	7.14	7.49	7.48	7.39	7.54	7.41	8.47	7.64	7.63	7.8	7.98	9	7.67	7.86	7.76	7.43
Cond	µmhos/cm		--	881	706	835	1388	1414	1054	777	1006	1195	1239	1148	547	876	825	815	732	279	857	797	704	688
ORP	mV	--	--	-201	-325	-210	30	32	-128	-254	-137	-157	-336	-122	152	-218	-269	-454	-180	-192	90	76	194	19
DO	mg/L	--	--	0.17	0.18	0.16	0.13	1.75	1.95	0.34	0.19	0.17	0.15	0.63	7.41	0.23	0.19	0.21	0.2	0.34	8.64	8.81	5.61	5.96
Turbidity	Ntu	--	--	>1000	>1000	19.6	14.9	7.35	>1000	14.9	3	32	7	8	>1000	16	1.8	28.9	Very	12	>1000	>10000	185	6.19
Temp	°C	--	--	14.6	13.3	13.1	15	14.3	13.3	17.9	16	19	20.1	21.6	19.7	12.4	14.4	13.1	15.4	12.2	11.3	12.9	13.4	11

Notes:

NE = none established.

SU = stanadard units.

-- = not applicable.

Lighter font constituents are not representative of groundwater, rather contributed from cholorinated drilling water, or from the tanks, conveyance hoses or pumps, or lab or preservative contaminant (i.e., PCE to Methylene Chloride).

Blank cells within the field parameters data indicates data was not collected.

(1) ES and PAL for combined for m&p xylenes and o-xylenes.

(2) ES and PAL for combination or 1,2,-4-TMB and 1,2,5-TMB.

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Table 8B (continued)

Phase 2 Vertical Groundwater Screening Results

	UNITS	NR 140 ES	NR 140 PAL	MW13 55-65 4/20/07	MW13 65-75 4/20/07	MW13 75-85 4/20/07	MW13 85-95 4/20/07	MW13 85-95 DUP01 4/20/07	MW13 95-105 4/20/07	MW13 105-115 4/21/07	MW13 115-125 4/21/07	MW13 125-135 4/21/07	MW13 135-145 4/21/07	MW13 145-155 4/22/07	MW13 155-165 4/22/07	MW13 165-175 4/22/07	MW13 175-185 4/23/07	MW13 185-195 4/23/07	MW14A 35-45 4/25/07	MW14A 45-55 4/25/07	MW14A 55-65 4/30/07	MW15A 25-35 5/5/07	MW15A 35-45 5/5/07	MW15A 45-55 5/5/07
VOCs																								
Vinyl chloride	µg/L	0.2	0.02	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.02	0.95	<0.018	0.3	0.67
cis 1,2 DCE	µg/L	70	7	<0.03	0.11	0.25	0.41	0.097	0.27	0.23	0.23	0.28	0.3	0.27	0.31	0.38	0.7	0.79	<0.03	<0.03	<0.03	0.54	0.09	0.13
Trans 1,2-DCE	µg/L	100	20	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.063	<0.05	<0.06	<0.06	<0.06	<0.06	<0.06
TCE	µg/L	5	0.5	0.066	0.4	0.85	1.3	0.38	1.1	0.92	1.2	1.4	1.4	1.2	1.5	1.6	1.9	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/l	1000	200	<0.05	0.07	0.11	0.15	0.074	0.13	0.13	0.15	0.17	0.18	0.15	0.2	0.2	0.28	0.29	<0.05	0.23	0.24	0.087	0.16	0.27
1-1,DCA	µg/L	850	85	<0.06	0.11	0.4	0.34	0.18	0.4	0.22	0.44	0.31	0.29	0.36	0.31	0.37	0.55	0.62	<0.06	<0.06	<0.06	0.41	0.27	<0.060
1,2-Dichloropropane	µg/L	5	0.5	<0.05	<0.05	0.084	0.15	<0.05	0.099	0.077	0.097	0.12	0.13	0.12	0.14	0.18	0.19	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/L	5	0.5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.16	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Isopropylbenzne	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Propylbenzene	µg/L	NE	NE	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
1,3,5 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon disulfide	µg/L	1000	200	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-Butanone	µg/L	NE	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5
1,2-DCA	µg/L	5	0.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.042	0.043	0.057	<0.03	<0.03	<0.03	0.081	<0.03	<0.03
THF	µg/L	50	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	<1.0
Acetone	µg/L	1000	200	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	2.5	3.6	3.4
Chlorobenzene	µg/L	NE	NE	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroethane	µg/L	400	80	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.38	0.42
Trichlorofluoromethane	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1
MTBE	µg/L	60	12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Butylbenzene	µg/L	NE	NE	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
PCE	µg/L	5	0.5	0.16	0.22	0.29	0.26	0.2	0.2	0.18	0.18	0.21	0.19	0.18	0.17	0.19	0.16	0.14	0.061	<0.05	0.054	<0.05	<0.05	<0.05
Chloroform	µg/L	6	0.6	0.12	0.11	0.09	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Bromodichloromethane	µg/L	0.6	0.06	0.096	0.088	0.061	0.049	0.082	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	µg/L	1,000	200	0.17	0.17	0.12	0.16	0.17	0.17	0.082	0.13	0.16	0.1	<0.05	<0.05	0.099	0.18	0.15	<0.05	<0.05	<0.05	0.98	<0.05	<0.05
Ethylbenzene	µg/L	700	140	0.096	0.077	0.066	0.052	0.081	<0.05	<0.05	<0.05	0.062	<0.05	<0.05	0.059	0.064	0.054	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m&p Xylene	µg/L	10,000 (1)	1,000 (1)	0.24	0.22	0.16	0.14	0.22	0.13	0.097	<0.09	0.15	0.11	0.12	0.17	0.2	0.12	0.11	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
o Xylene	µg/L	10,000 (1)	1,000 (1)	0.073	0.073	0.05	<0.05	0.075	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.067	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050
Chlorodibromomethane	µg/L	NE	NE	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029
Bromoform	µg/L	4.4	0.44	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chloromethane	µg/L	3	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	0.16	0.18	<0.05
Methylene chloride	µg/L	5	0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.44	2.2	<0.15	<0.15	0.55	0.5	<0.15	0.21	0.36	0.35
Field Parameters																								
pH	SU	--	--	7.63	7.48	7.41	7.32		7.5	7.25	7.42	7.41	7.33	7.24	7.24	NM	7.39	7.41	7.5	7.23	7.12	6.45	7.02	6.94
Cond	µmhos/cm	--	--	702	735	793	799		768	721	734	743	746	736	765	747	805	809	881	1459	1514	1009	932	1069
ORP	mV	--	--	57	84	-29	-58		-217	-205	-269	-163	-207	-95	-412	-392	-69	-236	-59	-123	-246	1	-9	20
DO	mg/L	--	--	4.22	4.5	3.13	2.79		2.24	0.87	0.62	0.46	0.41	NM	NM	0.2	0.39	0.32	3.4	0.3	0.23	0.76	4.83	0.35
Turbidity	Ntu	--	--	210	291	23.2	42		7.26	23.9	8.88	5.42	6.61	11.1	5.18	14	Slight	201	>10000	16.8	10	12.3	12.5	5.52
Temp	°C	--	--	14.6	15.4	16.4	17.5		17.2	13.1	15.4	18.9	17.4	21.5	18.6	17.6	14	14	12.6	10.7	17	13.7	14.3	12.1

Notes:

NE = none established.

SU = stanadard units.

-- = not applicable.

Lighter font constituents are not representative of groundwater, rather contributed from cholorinated drilling water, or from the tanks, conveyance hoses or pumps, or lab or preservative contaminant (i.e., PCE to Methylene Chloride)

Blank cells within the field parameters data indicates data was not collected.

(1) ES and PAL for combined for M&- xylenes and o-xylenes.

(2) ES and PAL for combination or 1,2,-4-TMB and 1,2,5-TMB.

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Table 8B (continued)

Phase 2 Vertical Groundwater Screening Results

	UNITS	NR 140 ES	NR 140 PAL	MW15A 55-65 5/6/07	MW15A 65-75 5/6/07	MW15A 75-85 5/6/07	MW15A 85-95 5/7/07	MW15A 95-105 5/7/07	MW15A 105-115 5/7/07	MW15A 115-125 5/7/07	MW15A 125-135 5/7/07	TRIP BLANK 1/17/07	TRIP BLANK 4/19/07	TRIP BLANK 4/20/07	TRIP BLANK 4/21/07	TRIP BLANK 4/23/07	TRIP BLANK 4/25/07	TRIP BLANK 4/30/07	TRIP BLANK 5/5/07	TRIP BLANK 5/5/07	TRIP BLANK 5/6/07	TRIP BLANK 5/7/07 60141	TRIP BLANK 5/7/07 60133	TRIP BLANK 5/8/07
VOCs																								
Vinyl chloride	µg/L	0.2	0.02	1	1.3	1	1.4	0.63	1	1.2	1.2	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
cis 1,2 DCE	µg/l	70	7	<0.03	<0.03	1.6	0.36	<0.03	<0.03	<0.03	0.45	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trans 1,2-DCE	µg/L	100	20	<0.06	<0.06	0.1	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
TCE	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/L	1000	200	<0.05	<0.05	0.49	0.55	0.44	0.44	0.4	0.36	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1-1,DCA	µg/L	850	85	<0.06	0.1	0.19	<0.06	<0.06	<0.06	<0.06	0.13	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
1,2-Dichloropropane	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/L	5	0.5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Isopropylbenzne	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Propylbenzene	µg/L	NE	NE	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
1,3,5 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon disulfide	µg/L	1000	200	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
2-Butanone	µg/L	NE	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DCA	µg/L	5	0.5	<0.03	0.055	0.86	0.33	<0.03	<0.03	<0.03	0.24	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
THF	µg/L	50	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	µg/L	1000	200	3.7	3.5	3.1	3.1	2.3	1.6	2.5	3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	2.1	1.9	1.9	2.3	3.1	2.9	2.4
Chlorobenzene	µg/L	NE	NE	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroethane	µg/L	400	80	0.32	0.45	0.63	0.54	<0.05	<0.05	0.25	0.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/L	NE	NE	0.11	0.16	0.14	0.17	<0.05	<0.05	0.15	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MTBE	µg/L	60	12	<0.05	<0.05	0.088	0.069	<0.05	<0.05	<0.05	0.066	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Butylbenzene	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PCE	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/L	6	0.6	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Bromodichloromethane	µg/L	0.6	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	µg/L	1,000	200	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/L	700	140	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m&p Xylene	µg/L	10,000 (1)	1,000 (1)	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
o Xylene	µg/L	10,000 (1)	1,000 (1)	0.42	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorodibromomethane	µg/L	NE	NE	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029
Bromoform	µg/L	4.4	0.44	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chloromethane	µg/L	3	0.3	0.2	0.21	0.097	0.13	0.17	0.16	0.2	0.2	0.076	0.1	<0.05	0.091	0.076	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride	µg/L	5	0.5	0.35	0.31	0.35	0.41	0.33	0.36	0.5	0.34	0.77	0.93	0.91		1.1	3.5	2	2.2	2.2	2.6	2.9	3.3	1.9
Field Parameters																								
pH	SU	--	--	6.93	6.87	6.94	6.89	6.94	6.9	6.89	6.93													
Cond	µmhos/cm	--	--	1421	1550	1352	1485	1484	1518	1323	1290													
ORP	mV	--	--	-45	-329	-415	-57	-71	-97	-49	-69													
DO	mg/L	--	--	5.07	0.15	0.14	0.17	0.13	0.1	0.08	0.11													
Turbidity	Ntu	--	--	8.26	3.41	59.1	3.02	4.13	28.1	13.7	8.71													
Temp	°C	--	--	12.8	13.7	12.3	11.8	14	16.3	13.7	13.3													

Notes:

NE = none established.

SU = stanadard units.

-- = not applicable.

Lighter font constituents are not representative of groundwater, rather contributed from cholorinated drilling water, or from the tanks, conveyance hoses or pumps, or lab or preservative contaminant (i.e., PCE to Methylene Chloride).

Blank cells within the field parameters data indicates data was not collected.

(1) ES and PAL for combined for M&- xylenes and o-xylenes.

(2) ES and PAL for combination or 1,2,-4-TMB and 1,2,5-TMB.

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Table 8B (continued)

Phase 2 Vertical Groundwater Screening Results

	UNITS	NR 140 ES	NR 140 PAL	TRIP BLANK 5/14/07	TRIP BLANK 5/15/07	DUP02 4/22/07	DUP03 5/8/07	DUP04 5/7/07	DUP05 5/14/07	EQUIPMENT BLANK MW13 SAMPLE PUMP 4/21/07	EQUIPMENT BLANK MW11A & MW10A .5hp 4/21/07	EQUIPMENT BLANK 5/3/07	EQUIPMENT BLANK Black #2 5/5/07	EQUIPMENT BLANK NEW #2 5/14/07	GODR MINI (water tank)	DRILLWATER 01 (MW11A when filled)	DRILLWATER 02 4/19/07 (MW11A 24 hrs after Drillwater 01)
VOCs																	
Vinyl chloride	µg/l	0.2	0.02	<0.018	<0.018	<0.018	1	1.3	0.59	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
cis-1,2-DCE	µg/l	70	7	<0.03	<0.03	<0.03	<0.03	0.51	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trans 1,2-DCE	µg/L	100	20	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
TCE	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.053	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/L	1000	200	<0.05	<0.05	<0.05	0.42	0.41	0.48	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1-1,DCA	µg/L	850	85	<0.06	<0.06	<0.06	<0.06	0.11	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
1,2-Dichloropropane	µg/L	5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/L	5	0.5	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.068	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Isopropylbenzne	µg/L	NE	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.067	<0.05	<0.05	<0.05	0.59	<0.05	<0.05	<0.05
n-Propylbenzene	µg/L	NE	NE	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.23	<0.026	0.085		2.7	<0.026	<0.026	<0.026
1,3,5 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	0.88	<0.05	<0.05	<0.05
1,2,4 TMB	µg/L	480 (2)	96 (2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.68	<0.05	<0.05	<0.05	2.7	0.13	<0.05	0.17
Carbon disulfide	µg/L	1000	200	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.28	<0.10	0.11	<0.10	<0.10	1.4	<0.10
2-Butanone	µg/L	NE	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	1.1
1,2-DCA	µg/L	5	0.5	<0.03	<0.03	<0.03	<0.03	0.26	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
THF	µg/L	50	10	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	µg/L	1000	200	<1.3	<1.3	<1.3	4.2	2	<1.3	<1.3	<1.3	2	2.5	3.4	<1.3	<1.3	<1.3
Chlorobenzene	µg/L	NE	NE	<0.06	<0.06	<0.06	<0.06		<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroethane	µg/L	400	80	<0.05	<0.05	<0.05	0.31	0.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/L	NE	NE	<0.05	<0.05	<0.05	0.12	0.18	0.071	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MTBE	µg/L	60	12	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Butylbenzene	µg/L	NE	NE	<0.03	<0.03	<0.03	<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	0.084	<0.03	<0.03	<0.03
PCE	µg/L	5	0.5	<0.05	<0.05	0.091	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/L	6	0.6	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.4	0.97	1.6	1.3	1.6	1.5	1.7	1.7
Bromodichloromethane	µg/L	0.6	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	1.3	0.68	1.4	1.2	1.5	0.84	1.5	1.5
Toluene	µg/L	1,000	200	<0.05	<0.05	<0.05	0.11	<0.05	0.14	1.5	0.61	0.81	<0.05	18	0.19		0.14
Ethylbenzene	µg/L	700	140	<0.05	<0.05	<0.05	<0.05	<0.05	0.069	1.6	0.11	0.55	<0.05	11	0.23	0.05	0.065
m&p Xylene	µg/L	10,000 (1)	1,000 (1)	<0.09	<0.09	<0.09	<0.09	<0.09	0.18	5.3	0.31	1.1	<0.09	34	0.76	0.16	0.22
o Xylene	µg/L	10,000 (1)	1,000 (1)	<0.05	<0.05	<0.05	<0.05	<0.05	0.063	1.5	0.11	0.36	<0.05	12	0.26	0.067	0.1
Chlorodibromomethane	µg/L	NE	NE	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	1	0.52	1.2	1	1.6	0.52	1.3	1.2
Bromoform	µg/L	4.4	0.44	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.32	0.08	0.44	0.37	0.59	0.12	0.31	0.27
Chloromethane	µg/L	3	0.3	<0.05	<0.05	<0.05	0.16	0.2	0.1	<0.05	<0.05	0.17	0.12	0.18	<0.05	<0.05	<0.05
Methylene chloride	µg/L	5	0.5	2.6	2.5	<0.15	0.43	0.61	<0.15	<0.15	<0.15	0.2	0.26	0.16	<0.15	<0.15	<0.15
Field Parameters																	
pH	SU	--	--														8
Cond	µmhos/cm	--	--														712
ORP	mV	--	--														163
DO	mg/L	--	--														5.63
Turbidity	Ntu	--	--													NONE	NONE
Temp	°C	--	--														10

Notes:

NE = none established.

SU = stanadard units.

-- = not applicable.

Lighter font constituents are not representative of groundwater, rather contributed from cholorinated drilling water, or from the tanks, conveyance hoses or pumps, or lab or preservative contaminant (i.e., PCE to Methylene Chloride).

Blank cells within the field parameters data indicates data was not collected.

(1) ES and PAL for combined for M&- xylenes and o-xylenes.

(2) ES and PAL for combination or 1,2,-4-TMB and 1,2,5-TMB.

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Table 9

Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRA-CHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	2-BUTANONE	2-HEXANONE	4-METHYL-2-PENTA-NONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMO-FORM	BROMO-METHANE	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLORO-FORM
	A6368812	E093D	04/06/06	3.5	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6629205	E093D	06/02/06	3.1	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	4 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.24	< 0.07
	A6749601	E093D	06/29/06	3.1	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.23	< 0.07
	A7385413	E093D	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	476488	E093D	06/05/07	2.9	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.9 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.41	< 0.022
	477138	E093D	06/07/07	3.5	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.4 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.41	< 0.022
	A7771901	E093D	07/11/07	2.7	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.32	< 0.022
	A6368813	E093P	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385414	E093P	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6368814	E094	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385415	E094	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	1.8 J	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6368815	E094P	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385416	E094P	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	WMI_X412	E095	04/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385417	E095	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	WMI_X413	E095P	04/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385418	E095P	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6051602	E098	01/13/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6359903	E098	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6813603	E098	07/17/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6B69804	E098	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7006204	E098	01/03/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7386003	E098	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	5.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7785803	E098	07/13/07	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 1.3 N	< 1.2 N	< 1.3 N	< 1.3 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6051603	E099A	01/13/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6359904	E099A	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6813604	E099A	07/17/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6B69805	E099A	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7006205	E099A	01/03/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7386004	E099A	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7785804	E099A	07/13/07	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 1.3 N	< 1.2 N	< 1.3 N	< 1.3 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6359901	E100A	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6813601	E100A	07/17/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6B69802	E100A	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7006202	E100A	01/03/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7386001	E100A	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7785801	E100A	07/13/07	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 1.3 N	< 1.2 N	< 1.3 N	< 1.3 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6359902	E101A	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6813602	E101A	07/17/06	< 0.24	0.52	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	2.7 J	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6B69803	E101A	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	5.2 J	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7006203	E101A	01/03/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7386002	E101A	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	3.6 J	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7785802	E101A	07/13/07	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 1.3 N	< 1.2 N	< 1.3 N	2.6 J	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7010901	E102A	01/04/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	0.64 J	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385701	E102A	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7786101	E102A	07/13/07	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 1.3 N	< 1.2 N	< 1.3 N	< 1.3 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	WMI_X407	E123B	04/06/06	< 0.24	< 10	< 0.32	0.53 J	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385403	E123B	04/16/07	< 0.24	< 10	< 0.32	0.52 J	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	WMI_X408	E135A	04/06/06	< 0.24	0.61	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6615104	E135A	05/31/06	0.2	0.99	0.044 J	< 0.05	< 0.07	< 0.018	0.62	< 0.06	< 0.08	< 0.04	0.22	0.22	< 0.04	0.19	< 0.4	< 0.5	< 0.6	4.6 J	0.18	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	0.33	< 0.09	0.38	< 0.07
	A6743206	E135A	06/28/06	0.32	1.23	< 0.03	< 0.05	< 0.07	< 0.018	0.85	< 0.06	< 0.08	< 0.04	0.32	0.27	< 0.04	0.21	< 0.4	< 0.5	< 0.6	< 1.5	0.24	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	0.4	< 0.09	0.59	< 0.07

Notes:

[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.

A = Analyte averaged calibration criteria within acceptable limits.

B = Analyte detected in associated Method Blank.

D = Diluted Out.

H = Holding time exceeded.

J = Estimated value.

K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.

M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.

Q = Laboratory Control Sample outside acceptance limits.

T = Sample received with improper preservation or temperature.

Z = Calibration criteria exceeded.

* The duplicate analysis precision is not within control limits. The reported value is estimated.

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Table 9 (continued)
Summary of VOC in Monitoring Wells 2006-July 2007

ENTITY(1)	LAB NUMBER	SAMPLE ID	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRA-CHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	2-BUTANONE	2-HEXANONE	4-METHYL-2-PENTA-NONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMO-FORM	BROMO-METHANE	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLORO-FORM
	A7385404	E135A	04/16/07	< 0.24	1.1	< 0.32	< 0.36	< 0.26	< 0.48	0.8 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	0.89 J	< 0.34
	477145	E135A	06/07/07	0.59	1.87	< 0.05	< 0.05	< 0.05	< 0.019	1.4 M	< 0.05	< 0.027	< 0.05	0.46	0.42	< 0.027	0.19	< 0.6	< 1.6	< 0.8	4.2 Ju	0.39	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	0.41	< 0.026	1.1 M	< 0.022
	480343	E135A	06/19/07	0.53	2.46	< 0.05	< 0.05	< 0.05	< 0.019	1.7	< 0.05	< 0.027	< 0.05	0.42	0.37	< 0.027	0.2	< 0.6	< 1.6	< 0.8	< 1.5	0.35	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	0.4	< 0.026	0.79	< 0.022
	A7767607	E135A	07/10/07	0.51	2.38	< 0.05	< 0.05	< 0.05	< 0.019	1.3	< 0.05	< 0.027	< 0.05	0.47	0.41	< 0.027	0.21	< 0.6	< 1.6	< 0.8	< 1.5	0.41	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	0.43	< 0.026	0.91	< 0.022
	WMI_X409	E135B	04/06/06	< 0.24	1.6	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6615103	E135B	05/31/06	0.091	2.14	0.33	< 0.05	< 0.07	< 0.018	0.5	< 0.06	< 0.08	< 0.04	0.082 J	0.37	< 0.04	< 0.05	< 0.4 uj	< 0.5	< 0.6	2.4 J	0.1 J	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.078 J	< 0.07
	A6743205	E135B	06/28/06	0.11	2.25	0.31	< 0.05	< 0.07	< 0.018	0.51	< 0.06	< 0.08	< 0.04	0.071 J	0.35	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	0.12 J	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A7385405	E135B	04/16/07	< 0.24	1.3	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	477144	E135B	06/07/07	0.16	2.1	0.25	< 0.05	< 0.05	< 0.019	0.6	< 0.05	< 0.027	< 0.05	0.081 J	0.31	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3.3 Ju	0.079 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7767608	E135B	07/10/07	0.17	2.8	0.25	< 0.05	< 0.05	< 0.019	0.61	< 0.05	< 0.027	< 0.05	0.11 J	0.3	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.12 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.15 J	< 0.022
	WMI_X410	E137A	04/06/06	< 0.24	5.8	< 0.32	< 0.36	< 0.26	< 0.48	1.8	< 0.29		< 0.4	1.1 J	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	1.3	< 0.34
	A6615107	E137A	05/31/06	0.43	5.34	0.29	< 0.05	< 0.07	< 0.018	1.3	< 0.06	< 0.08	< 0.04	0.96	0.3	< 0.04	< 0.05	< 0.4	< 0.5	1.2 J	< 1.5	0.17	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.98	< 0.07
	A6749603	E137A	06/29/06	0.53	5.74	0.27	< 0.05	< 0.07	< 0.018	1.3	< 0.06	< 0.08	< 0.04	1	0.3	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	0.19	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	1.1	< 0.07
	A7385406	E137A	04/16/07	< 0.24	4.6	< 0.32	< 0.36	< 0.26	< 0.48	1.1	< 0.29		< 0.4	0.91 J	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	1.6	< 0.34
	A7610305	E137A	06/04/07	0.44		0.27	< 0.05	< 0.05	< 0.019	1.1	< 0.05	< 0.027	< 0.05	0.86	0.22	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	Ju	0.16 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.99	< 0.022
	A7767605	E137A	07/10/07	0.41	5.6	0.26	< 0.05	< 0.05	< 0.019	1	< 0.05	< 0.027	< 0.05	0.83	0.25	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3.1 Ju	0.18	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.9	< 0.022
	A6615106	E137B	05/31/06	0.36	0.716	0.13	< 0.05	< 0.07	< 0.018	0.8	< 0.06	< 0.08	< 0.04	0.15	0.12 J	< 0.04	< 0.05	< 0.4 uj	< 0.5	< 0.6	6.3	0.73	< 0.04	< 0.07	< 0.06 uj	< 0.1	< 0.05	< 0.05	< 0.09	0.61	< 0.07
	A6749602	E137B	06/29/06	0.46	0.86	0.1 J	< 0.05	< 0.07	< 0.018	0.95	< 0.06	< 0.08	< 0.04	0.15	0.13 J	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	2.7 J	0.74	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.67	< 0.07
	A7610304	E137B	06/04/07	0.48		0.094 J	< 0.05	< 0.05	< 0.019	1.1	< 0.05	< 0.027	< 0.05	0.23	0.082 J	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	Ju	0.44	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.61	< 0.022
	A7767606	E137B	07/10/07	0.44	0.98	0.11 J	< 0.05	< 0.05	< 0.019	0.99	< 0.05	< 0.027	< 0.05	0.23	0.12 J	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.56	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.57	< 0.022
	A6368806	E140	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	1.3	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	1.2 J	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	2.6	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	0.81 J	< 0.32 N	< 0.32 N	< 0.34 N
	A7385407	E140	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	0.72 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	0.96 J	< 1.3	< 1.2	< 1.3	< 1.3	4.4	< 0.38	< 0.26	< 0.28		< 0.27	1.1 J	< 0.32	< 0.32	< 0.34
	A6368807	E141A	04/06/06	< 0.24 N	8.1	2.4	< 0.36 N	< 0.26 N	< 0.48 N	4.8	< 0.29 N		< 0.4 N	< 0.46 N	1.2	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385408	E141A	04/16/07	< 0.24	5.1	2	< 0.36	< 0.26	< 0.48	3.2	< 0.29		< 0.4	< 0.46	0.85 J	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	0.77 J
	477139	E141A	06/07/07	0.28	3.15	1.8	0.12 J	< 0.05	< 0.019	2.2	< 0.05	< 0.027	< 0.05	0.11 J	1.1	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.3 Ju	0.16 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	1
	480342	E141A	06/18/07	0.21	3.69	1.9	0.16 J	< 0.05	< 0.019	1.7	< 0.05	< 0.027	< 0.05	0.079 J	1	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.14 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	1.2
	A7780606	E141A	07/12/07	0.099	2.21	1.7	0.21	< 0.05	< 0.019	1.2	< 0.05	< 0.027	< 0.05	0.055 J	0.92	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.13 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.072 J	1
	A6368808	E141B	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	0.52 J	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385409	E141B	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	0.6 J	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6778601	EW COMP	07/10/06	< 1	< 10	< 1	< 1	< 1	< 1	< 0.8	< 2		< 0.04	< 0.8	< 1	< 0.06	< 0.08	< 5	< 9	< 8	< 10	1 J	< 1	< 1	< 3		< 2	< 0.9	< 0.9	< 2	< 0.9
	A7765401	EW COMP	07/10/07	< 0.5 N	< 10	< 0.3 N	< 0.5 N	< 0.2 N	< 0.3 N	< 0.2 N	< 0.2 N		< 0.04 N	< 0.2 N	< 0.2 N	< 0.06 N	0.1 J	< 1 N	< 0.9 N	< 0.8 N	< 2 N	1	< 0.2 N	< 0.2 N	< 0.7 N		< 0.2 N	< 0.2 N	< 0.2 N	< 0.2 N	< 0.2 N
	A6359501	EW-01	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	1.6	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6B68501	EW-01	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	1.1 J	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385419	EW-01	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	1.6 J	0.73 J	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A6359502	EW-02	04/05/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	1.5	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	1.2	< 0.34 N
	A6B68502	EW-02	10/06/06	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	0.57 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	1.7	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	2.3	< 0.34
	A7385420	EW-02	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	0.56 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	2	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	0.9 J	< 0.34
	A6359503	EW-03R	04/05/06	0.78 J	1.2	0.5 J	< 0.36 N	< 0.26 N	< 0.48 N	1.2	< 0.29 N		< 0.4 N	0.77 J	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	0.86 J	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	0.9 J	< 0.34 N
	A6B68503	EW-03R	10/06/06	< 0.24	0.51	< 0.32	< 0.36	< 0.26	< 0.48	0.67 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 2.5	< 2.4	< 2.3	< 2.5	0.73 J	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	A7385702	EW-03R	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	0.55 J	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	0.72 J	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
EPA	E607005-01	MW_DYER	07/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	4.7	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	477522	MW_DYER	06/08/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	479516	MW_DYER	06/15/07	< 0.013 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.027 T	< 0.05 T	< 0.03 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.6 T	< 1.6 T	< 0.8 T	< 1.5 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.07 T	< 0.09 T	< 0.022 T	< 0.04 T	< 0.026 T	< 0.07 T	< 0.022 T
EPA	E707001-01	MW_DYER	07/17/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	0.2 J	0.2 J	< 1	< 1	< 0.8	5.2	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	A6629204	MW01	06/02/06	0.86	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	2.9 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6756904	MW01	06/30/06	1	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448578	MW01	01/04/07	0.81	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465113	MW01	04/09/07	0.87	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477143	MW01	06/07/07	0.9	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.3 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022

Notes:
(1) Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
Q = Laboratory Control Sample outside acceptance limits.
T = Sample received with improper preservation or temperature.
Z = Calibration criteria exceeded.
* The duplicate analysis precision is not within control limits. The reported value is estimated.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRA-CHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	2-BUTANONE	2-HEXANONE	4-METHYL-2-PENTA-NONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMO-FORM	BROMO-METHANE	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLORO-FORM
	A7767603	MW01	07/10/07	0.91	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	0.064 J	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3.2 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A6629206	MW01 DUP	06/02/06	0.86	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	3.4 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	465119	MW01 DUP	04/09/07	1.1	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	A6629203	MW01A	06/02/06	6.1	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	1.6 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6756903	MW01A	06/30/06	6.8	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448579	MW01A	01/04/07	5.2	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465114	MW01A	04/10/07	5.7	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477149	MW01A	06/07/07	8.4	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7767604	MW01A	07/10/07	7	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A6609605	MW01B	05/30/06	< 0.018	< 0.06	0.037 J	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	4.2 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6738302	MW01B	06/27/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448580	MW01B	01/04/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465115	MW01B	04/09/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477147	MW01B	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.6 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7767602	MW01B	07/10/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A6615101	MW02	05/31/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	0.034 J	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	0.72 J	< 0.6	2.2 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.097 J	< 0.07
	A6738304	MW02	06/27/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	0.035 J	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448581	MW02	01/04/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465116	MW02	04/10/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477142	MW02	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.3 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.14 J	< 0.022
	A7767601	MW02	07/10/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.1 J	< 0.022
	A6738303	MW02 DUP	06/27/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	0.035 J	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.098 J	< 0.07
	A6615102	MW03	05/31/06	0.6	0.1	0.042 J	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	0.06 J	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	4.8	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.3	< 0.07
	A6743203	MW03	06/28/06	0.81	0.13	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.32	< 0.07
	448582	MW03	01/04/07	0.63	0.15	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	0.048 J	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	0.19	< 0.04
	465112	MW03	04/10/07	0.64	0.17	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	0.049 J	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	0.25	< 0.04
	476479	MW03	06/04/07	0.63	0.14	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.31	< 0.022
	A7771909	MW03	07/11/07	0.56	0.17	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	0.056 J	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.26	< 0.022
	448585	MW03 DUP	01/04/07	0.59	0.14	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	0.065 J	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	0.25	< 0.04
	389296	MW03A	05/12/06	0.034 J	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	0.14 J	< 0.04	< 0.07	< 0.06	0.23 JB	< 0.05	< 0.05	< 0.09	< 0.06	0.19 J
	A6609602	MW03A	05/30/06	0.029 J	< 0.06	0.049 J	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	1.9 J	< 0.05	< 0.04	< 0.07	< 0.06	0.2 J	< 0.05	< 0.05	< 0.09	< 0.06	0.16 J
	A6749604	MW03A	06/29/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	0.05 J	< 0.04	< 0.07	< 0.06	0.79	< 0.05	< 0.05	< 0.09	< 0.06	0.11 J
	405103	MW03A	07/11/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	0.051 J	< 0.04	< 0.07	< 0.06	0.32 JB	< 0.05	< 0.05	< 0.09	< 0.06	0.096 J
	414662	MW03A	08/16/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	0.51	< 0.05	< 0.05	< 0.09	< 0.06	0.14 J
	421347	MW03A	09/11/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	2.5 J	< 0.04	< 0.04	< 0.04	< 0.06	0.81	< 0.04	< 0.06	< 0.029	< 0.05	0.12 J
	430894	MW03A	10/10/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	0.13 J
	439951	MW03A	11/13/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	446762	MW03A	12/20/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	448583	MW03A	01/04/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	453720	MW03A	02/06/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465111	MW03A	04/09/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477141	MW03A	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.8 Ju	< 0.05	< 0.03	< 0.04	< 0.07	0.18 J	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771910	MW03A	07/11/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A6622503	MW04	06/01/06	0.6	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	3.1 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6743201	MW04	06/28/06	0.94	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.11 J	< 0.07
	448960	MW04	01/05/07	1.1	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465590	MW04	04/11/07	1.3	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477137	MW04	06/07/07	1.5	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	4.1 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.16 J	< 0.022
	A7758903	MW04	07/09/07	1.2	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.099 J	< 0.022
	A6622505	MW04 DUP	06/01/06	0.62	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	4.1 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6609601	MW04A	05/30/06	0.05 J	< 0.06	0.031 J	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	4.6 J	< 0.05	< 0.04	< 0.07	< 0.06	0.25 J	< 0.05	< 0.05	< 0.09	0.14 J	< 0.07
	A6738306	MW04A	06/27/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	0.88 J	< 0.5	< 0.6	2.6 J	< 0.05	< 0.04	< 0.07	< 0.06	0.72 B	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6622502	MW05	06/01/06	1.8	0.12	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.066 J	< 0.07

Notes:
[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
Q = Laboratory Control Sample outside acceptance limits.
T = Sample received with improper preservation or temperature.
Z = Calibration criteria exceeded.
* The duplicate analysis precision is not within control limits. The reported value is estimated.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRA-CHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	2-BUTANONE	2-HEXANONE	4-METHYL-2-PENTA-NONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMO-FORM	BROMO-METHANE	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLORO-FORM
	A6758902	MW05	06/30/06	2.1	0.14	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448575	MW05	01/03/07	1.6	0.14	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465117	MW05	04/10/07	1.9	0.16	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	0.12 J	< 0.04
	477134	MW05	06/07/07	1.9	0.12	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.6 Ju	< 0.05	0.063 J	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	0.13
	480340	MW-05	06/19/07	1.8	0.17	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	0.076
	A7771902	MW05	07/11/07	1.5	0.14	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	0.11 J	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	0.24
	448584	MW05 DUP	01/03/07	1.6	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	A6609603	MW06	05/30/06	< 0.018	< 0.06	0.031 J	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6738301	MW06	06/27/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448576	MW06	01/03/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465118	MW06	04/10/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	477152	MW06	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771905	MW06	07/11/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A6629202	MW07	06/02/06	0.83	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	2.5 J	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6743207	MW07	06/28/06	0.94	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	A6743209	MW07 DUP	06/28/06	0.97	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	< 0.06	< 0.07
	448577	MW07	01/03/07	0.67	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	465589	MW07	04/11/07	0.83	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5 M	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	476487	MW07	06/05/07	0.75	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.6 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	480341	MW-07	06/18/07	0.78	<0.11	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771903	MW07	07/11/07	0.75	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	465591	MW07 DUP	04/11/07	0.81	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.05	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.5	< 0.8	< 0.4	< 1.3	< 0.04	< 0.04	< 0.04	< 0.06	< 0.1	< 0.04	< 0.06	< 0.029	< 0.05	< 0.04
	476490	MW07S	06/05/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	1.8 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771904	MW07S	07/11/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	476494	MW07S DUP	06/05/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	476481	MW08A	06/04/07	0.14	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3.2 Ju	0.069 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771908	MW08A	07/11/07	0.3	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7780607	MW09	07/12/07	0.52	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.1 J	< 0.022
	476486	MW09	06/05/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	476493	MW10	06/05/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7780602	MW10	07/12/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	476485	MW10A	06/05/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.9 Ju	0.075 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7780603	MW10A	07/12/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	476492	MW11A	06/05/07	0.41	< 0.06	0.051 J	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	10 u	0.065 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7780604	MW11A	07/12/07	0.22	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.051 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	477153	MW13A	06/07/07	< 0.013	0.55	1	< 0.05	< 0.05	< 0.019	0.91	< 0.05	< 0.027	< 0.05	0.06 J	0.31	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	4.9 Ju	0.18	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	480338	MW-13A	06/19/07	< 0.013	1.097	2.1	0.085 J	< 0.05	< 0.019	0.76	< 0.05	< 0.027	< 0.05	0.057 J	0.25	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7767611	MW13A	07/10/07	< 0.013	0.808	1.7	0.1 J	< 0.05	< 0.019	0.88	< 0.05	< 0.027	< 0.05	0.065 J	0.28	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	0.085 J	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	477151	MW13S	06/07/07	< 0.013	< 0.06	< 0.05	0.077 J	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	480333	MW-13S	06/18/07	< 0.013	1.0	< 0.05	0.062 J	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7767610	MW13S	07/10/07	< 0.013	< 0.06	< 0.05	0.09 J	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	477140	MW14A	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	1.2 J	< 1.6	< 0.8	5.5 u	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7758901	MW14A	07/09/07	0.92	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	477148	MW15A	06/07/07	0.88	0.96	< 0.05	< 0.05	< 0.05	< 0.019	0.098 J	< 0.05	< 0.027	< 0.05	0.71	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	3.4 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.71	< 0.022
	480339	MW-15A	06/19/07	0.82	1.4	< 0.05	< 0.05	< 0.05	< 0.019	0.11 J	< 0.05	< 0.027	< 0.05	0.66	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.34	< 0.022
	A7767612	MW15A	07/10/07	1	1.4	< 0.05	< 0.05	< 0.05	< 0.019	0.12 J	< 0.05	< 0.027	< 0.05	0.75	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04 Mu	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.64	< 0.022
	477146	MW17	06/07/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	5.3 u	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771906	MW17	07/11/07	< 0.013 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.027 T	< 0.05 T	< 0.03 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.6 T	< 1.6 T	< 0.8 T	< 1.5 T	0.08 JT	< 0.03 T	< 0.04 T	< 0.07 T	< 0.09 T	< 0.022 T	< 0.04 T	< 0.026 T	< 0.07 T	< 0.022 T
	477150	MW17A	06/07/07	0.52	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	1.8 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	A7771907	MW17A	07/11/07	0.52	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
EPA	E607005-19	P064A	07/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	3.9	< 0.07	< 0.1	< 0.2	0.5	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
EPA	E706003-07	P064A	06/26/07	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	< 3	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
EPA	E607005-24	P064B	07/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	4.9	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
EPA	E706003-05	P064B	06/26/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	< 3	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	A6368819	P064C	04/06/06	2.6	2.5	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A6615105	P064C	05/31/06	2.4	2.89	0.038 J	< 0.05	< 0.07	< 0.018	0.13	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4 uj	< 0.5	< 0.6	2.1 J	< 0.05	< 0.04	< 0.07	< 0.06 uj	< 0.1	< 0.05	< 0.05	< 0.09	0.19	< 0.07

Notes:
[1] Entity - Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
Q = Laboratory Control Sample outside acceptance limits.
T = Sample received with improper preservation or temperature.
Z = Calibration criteria exceeded.
* The duplicate analysis precision is not within control limits. The reported value is estimated.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRA-CHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	2-BUTANONE	2-HEXANONE	4-METHYL-2-PENTA-NONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMO-FORM	BROMO-METHANE	CARBON DISULFIDE	CARBON TETRA-CHLORIDE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLORO-FORM
	A6749607	P064C	06/29/06	2.5	2.67	< 0.03	< 0.05	< 0.07	< 0.018	0.13	< 0.06	< 0.08	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.4	< 0.5	< 0.6	< 1.5	< 0.05	< 0.04	< 0.07	< 0.06	< 0.1	< 0.05	< 0.05	< 0.09	0.2	< 0.07
EPA	E607005-16	P064C	07/20/06	2.7	2.3	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	< 0.8	< 3	< 0.07	< 0.1	< 0.2	0.5	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	A7385705	P064C	04/16/07	1.1	2	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	476489	P064C	06/05/07	1.8	2.82	< 0.05	< 0.05	< 0.05	< 0.019	0.16 J	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.3 Ju	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
EPA	E706003-06	P064C	06/26/07	0.7 J	2.3	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	0.5 J	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 1	< 1	0.8 J	< 3	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	A7780605	P064C	07/12/07	2	3.52	< 0.05	< 0.05	< 0.05	< 0.019	0.15 J	< 0.05	< 0.027 M	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.19 J	< 0.022
	A6368820	P067A	04/06/06	< 0.24 N	< 10	< 0.32 N	< 0.36 N	< 0.26 N	< 0.48 N	< 0.27 N	< 0.29 N		< 0.4 N	< 0.46 N	< 0.33 N	< 0.33 N	< 0.37 N	< 2.5 N	< 2.4 N	< 2.3 N	< 2.5 N	< 0.35 N	< 0.38 N	< 0.26 N	< 0.28 N		< 0.27 N	< 0.32 N	< 0.32 N	< 0.32 N	< 0.34 N
	A7385706	P067A	04/16/07	< 0.24	< 10	< 0.32	< 0.36	< 0.26	< 0.48	< 0.27	< 0.29		< 0.4	< 0.46	< 0.33	< 0.33	< 0.37	< 1.3	< 1.2	< 1.3	< 1.3	< 0.35	< 0.38	< 0.26	< 0.28		< 0.27	< 0.32	< 0.32	< 0.32	< 0.34
	491498	PUMP 1	07/30/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	2.1 J	< 0.05	1.2 AQ	0.36 A	< 0.07	< 0.09	< 0.022	< 0.04	1 A	< 0.07	1.5
	477521	PZ_DYER	06/08/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	479515	PZ_DYER	06/15/07	< 0.013 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.027 T	< 0.05 T	< 0.03 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.6 T	< 1.6 T	< 0.8 T	< 1.5 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.07 T	< 0.09 T	< 0.022 T	< 0.04 T	< 0.026 T	< 0.07 T	< 0.022 T
EPA	E707001-02	PZ_DYER	07/17/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.08	< 0.5	< 0.2	< 0.1	0.1 J	< 1	< 1	< 0.8	3.8 J	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5
	477524	PZ_MOOSE	06/08/07	< 0.013	0.28	0.62	0.33	< 0.05	< 0.019	0.17 J	< 0.05	< 0.027	< 0.05	< 0.03	0.16 J	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	< 0.07	< 0.022
	479513	PZ_MOOSE	06/15/07	< 0.013 T	0.29	0.69 T	0.36 T	< 0.05 T	< 0.019 T	0.19 JT	< 0.05 T	< 0.027 T	< 0.05 T	< 0.03 T	0.16 JT	< 0.027 T	< 0.04 T	< 0.6 T	< 1.6 T	< 0.8 T	< 1.5 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.07 T	< 0.09 T	< 0.022 T	< 0.04 T	< 0.026 T	< 0.07 T	< 0.022 T
	477523	PZ_STAGE-COACH	06/08/07	3	3.73	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.027	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.6	< 1.6	< 0.8	< 1.5	< 0.05	< 0.03	< 0.04	< 0.07	< 0.09	< 0.022	< 0.04	< 0.026	0.21 J	< 0.022
	479514	PZ_STAGE-COACH	06/15/07	1.8 T	4.05	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	0.087 JT	< 0.05 T	< 0.027 T	< 0.05 T	0.04 JT	< 0.05 T	< 0.027 T	< 0.04 T	< 0.6 T	< 1.6 T	< 0.8 T	< 1.5 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.07 T	0.15 JBT	< 0.022 T	< 0.04 T	< 0.026 T	0.2 JT	< 0.022 T
EPA	E707002-04	PZ_MOELLER	07/18/07	0.14 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	0.2 J	0.2 J	< 0.5	< 0.2	0.2 J	0.4 J	< 1	< 1	< 0.8	3.3 J	< 0.07	< 0.1	< 0.2	< 0.4	< 0.6	< 0.2	< 0.07	< 0.4	< 0.5	< 0.5

Notes:
[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
L = The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
Q = Laboratory Control Sample outside acceptance limits.
T = Sample received with improper preservation or temperature.
Z = Calibration criteria exceeded.
* The duplicate analysis precision is not within control limits. The reported value is estimated.

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Table 9
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	DI-ISOPROPYL ETHER	ETHER	ETHYL-BENZENE	FLUORO-TRICHLORO-METHANE	ISOPROPYL-BENZENE	METHYLENE CHLORIDE	METHYL-TERT-BUTYL-ETHER	NAPHTHALENE	N-PROPYL-BENZENE	TETRA-HYDRO-FURAN	TOLUENE	XYLENE, M + P	XYLENE, O	XYLENE, TOTAL
	A6368812	E093D	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6629205	E093D	06/02/06	0.16 J	0.31	< 0.07	10.3 J	< 0.05	0.058 J	< 0.03	0.31 JB	0.07 J	< 0.08	< 0.04	1.5 J	< 0.08	< 0.12	< 0.04	
	A6749601	E093D	06/29/06	0.071 J	0.41 A	< 0.07	9.8 J	< 0.05	0.067 JA	< 0.03	< 0.11	0.06 J	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A7385413	E093D	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	0.59 J			< 0.93
	476488	E093D	06/05/07	0.32 u	0.39	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	477138	E093D	06/07/07	0.24 Bu	0.48	< 0.06		< 0.024	0.1 J	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771901	E093D	07/11/07	< 0.05	0.32	< 0.06		< 0.024	0.15 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6368813	E093P	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385414	E093P	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6368814	E094	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385415	E094	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6368815	E094P	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385416	E094P	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	WMI_X412	E095	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385417	E095	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	WMI_X413	E095P	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385418	E095P	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6051602	E098	01/13/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6359903	E098	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6813603	E098	07/17/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6B69804	E098	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7006204	E098	01/03/07		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7386003	E098	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A7785803	E098	07/13/07		< 0.28 N			< 0.34 N	< 0.15 N		< 0.44 N	< 0.28 N	< 0.43 N		< 1.6 N	< 0.51 N			< 0.93 N
	A6051603	E099A	01/13/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6359904	E099A	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6813604	E099A	07/17/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6B69805	E099A	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7006205	E099A	01/03/07		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7386004	E099A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A7785804	E099A	07/13/07		< 0.28 N			< 0.34 N	< 0.15 N		< 0.44 N	< 0.28 N	< 0.43 N		< 1.6 N	< 0.51 N			< 0.93 N
	A6359901	E100A	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6813601	E100A	07/17/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6B69802	E100A	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	0.62 J			< 0.93
	A7006202	E100A	01/03/07		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7386001	E100A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A7785801	E100A	07/13/07		< 0.28 N			< 0.34 N	< 0.15 N		< 0.44 N	< 0.28 N	< 0.43 N		< 1.6 N	< 0.51 N			< 0.93 N
	A6359902	E101A	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	13			< 0.93 N
	A6813602	E101A	07/17/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6B69803	E101A	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7006203	E101A	01/03/07		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	85			< 0.93
	A7386002	E101A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	93			< 0.93
	A7785802	E101A	07/13/07		< 0.28 N			< 0.34 N	< 0.15 N		< 0.44 N	< 0.28 N	< 0.43 N		< 1.6 N	1.3 J			< 0.93 N
	A7010901	E102A	01/04/07		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385701	E102A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A7786101	E102A	07/13/07		< 0.28 N			< 0.34 N	< 0.15 N		< 0.44 N	< 0.28 N	< 0.43 N		< 1.6 N	< 0.51 N			< 0.93 N
	WMI_X407	E123B	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385403	E123B	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	WMI_X408	E135A	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6615104	E135A	05/31/06	0.16 J	0.15 J	< 0.07	1.8 J	< 0.05	< 0.05	< 0.03	0.43 AB	< 0.05	< 0.08	< 0.04	0.81 J	< 0.08	< 0.12	< 0.04	
	A6743206	E135A	06/28/06	0.15 J	0.27	< 0.07	2.6 J	< 0.05	< 0.05	< 0.03	< 0.11	0.056 J	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	

Notes:
[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY(1)	LAB NUMBER	SAMPLE ID	SAMPLE DATE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	DI-ISOPROPYL ETHER	ETHER	ETHYL-BENZENE	FLUORO-TRICHLORO-METHANE	ISOPROPYL-BENZENE	METHYLENE CHLORIDE	METHYL-TERT-BUTYL-ETHER	NAPHTHALENE	N-PROPYL-BENZENE	TETRA-HYDRO-FURAN	TOLUENE	XYLENE, M + P	XYLENE, O	XYLENE, TOTAL
	A7385404	E135A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	477145	E135A	06/07/07	0.27 Bu	0.48	0.16 JM		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	480343	E135A	06/19/07	0.15 J	0.61 A	0.11 J		< 0.024	< 0.06	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767607	E135A	07/10/07	< 0.05	0.51	0.12 J		< 0.024	0.089 J	< 0.04	0.39 JABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	WMI_X409	E135B	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6615103	E135B	05/31/06	0.16 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11 u	< 0.05	< 0.08	< 0.04	< 0.7 uj	< 0.08	< 0.12	< 0.04	
	A6743205	E135B	06/28/06	0.19	0.064 J	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11 uj	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A7385405	E135B	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	477144	E135B	06/07/07	0.22 Bu	0.091 J	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767608	E135B	07/10/07	< 0.05	0.093 J	< 0.06		< 0.024	0.083 J	< 0.04	0.33 JAB	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	WMI_X410	E137A	04/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A6615107	E137A	05/31/06	0.14 J	0.38	0.091 J	7.3 J	< 0.05	< 0.05	< 0.03	0.36 AB	0.066 J	< 0.08	< 0.04	1.1 J	< 0.08	< 0.12	< 0.04	
	A6749603	E137A	06/29/06	0.11 J	0.56	0.089 J	7.6 J	< 0.05	< 0.05	< 0.03	< 0.11	0.055 J	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A7385406	E137A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A7610305	E137A	06/04/07	u	0.52	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767605	E137A	07/10/07	< 0.05	0.54	0.14 J		< 0.024	0.07 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6615106	E137B	05/31/06	0.12 J	0.1 J	0.12 J	2.5 J	< 0.05	< 0.05	< 0.03	0.3 JABuj	0.077 J	< 0.08	< 0.04	1.8 Jj	< 0.08	< 0.12	< 0.04	
	A6749602	E137B	06/29/06	0.12 J	0.15 J	0.093 J	2.3 J	< 0.05	< 0.05	< 0.03	< 0.11 uj	0.064 J	< 0.08	< 0.04	1.8 J	< 0.08	< 0.12	< 0.04	
	A7610304	E137B	06/04/07	Ju	0.2	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767606	E137B	07/10/07	0.13 Ju	0.22	0.097 J		< 0.024	0.092 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6368806	E140	04/06/06		1.3			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385407	E140	04/16/07		0.64 J			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6368807	E141A	04/06/06		1.2			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385408	E141A	04/16/07		0.59 J			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	477139	E141A	06/07/07	0.37 Bu	0.42	< 0.06		< 0.024	0.1 J	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	480342	E141A	06/18/07	0.15 J	0.58 A	< 0.06		< 0.024	0.075 J	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7780606	E141A	07/12/07	< 0.05	0.27	< 0.06		< 0.024	0.092 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6368808	E141B	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	0.86 J			< 0.93 N
	A7385409	E141B	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6778601	EW COMP	07/10/06		< 2			< 2	< 2		< 2	< 1	< 0.08		< 8	< 1			< 7
	A7765401	EW COMP	07/10/07		< 0.1 N			< 0.2 N	< 0.2 N		< 0.3 N	< 0.2 N	< 0.08 N		< 1 N	< 0.5 N			< 0.6 N
	A6359501	EW-01	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6B68501	EW-01	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385419	EW-01	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6359502	EW-02	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6B68502	EW-02	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385420	EW-02	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	A6359503	EW-03R	04/05/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6B68503	EW-03R	10/06/06		< 0.28			< 0.34	< 0.36		< 0.44	< 0.48	< 0.43		< 2.5	< 0.35			< 0.93
	A7385702	EW-03R	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
EPA	E607005-01	MW_DYER	07/20/06	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	< 0.6	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
	477522	MW_DYER	06/08/07	0.11 JB	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.18 J	< 0.08	< 0.023	
	479516	MW_DYER	06/15/07	< 0.05 T	< 0.03 T	< 0.06 T		< 0.024 T	< 0.06 T	< 0.04 T	< 0.18 AQT	< 0.08 T	< 0.05 T	< 0.022 T	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E707001-01	MW_DYER	07/17/07	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	55	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
	A6629204	MW01	06/02/06	0.18	0.14 J	< 0.07	0.6 J	< 0.05	< 0.05	< 0.03	0.15 JB	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6756904	MW01	06/30/06	0.067 J	0.2 A	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448578	MW01	01/04/07	< 0.05	0.085 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465113	MW01	04/09/07	< 0.05	0.17 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477143	MW01	06/07/07	0.23 Bu	0.16	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	

Notes:
(1) Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	DI-ISOPROPYL ETHER	ETHER	ETHYL-BENZENE	FLUORO-TRICHLORO-METHANE	ISOPROPYL-BENZENE	METHYLENE CHLORIDE	METHYL-TERT-BUTYL-ETHER	NAPHTHALENE	N-PROPYL-BENZENE	TETRA-HYDRO-FURAN	TOLUENE	XYLENE, M+P	XYLENE, O	XYLENE, TOTAL
	A7767603	MW01	07/10/07	< 0.05	0.22	< 0.06		< 0.024	0.08 J	< 0.04	0.18 JABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6629206	MW01 DUP	06/02/06	0.12 J	0.12 J	< 0.07	0.6 J	< 0.05	< 0.05	< 0.03	0.12 JB	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	465119	MW01 DUP	04/09/07	< 0.05	0.23	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	A6629203	MW01A	06/02/06	0.1 J	0.21	< 0.07	3 J	< 0.05	< 0.05	< 0.03	0.2 JB	< 0.05	< 0.08	< 0.04	1 J	< 0.08	< 0.12	< 0.04	
	A6756903	MW01A	05/30/06	0.14 J	0.28 A	< 0.07	2.4 J	< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	1.3 J	< 0.08	< 0.12	< 0.04	
	448579	MW01A	01/04/07	< 0.05	0.13 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465114	MW01A	04/10/07	< 0.05	0.27	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	1.2 J	< 0.05	< 0.09	< 0.05	
	477149	MW01A	06/07/07	0.13 JBu	0.38	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767604	MW01A	07/10/07	< 0.05	0.34	< 0.06		< 0.024	0.1 J	< 0.04	< 0.18 ABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6609605	MW01B	05/30/06	0.13 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	0.11 J	< 0.12	< 0.04	
	A6738302	MW01B	06/27/06	0.13 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448580	MW01B	01/04/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465115	MW01B	04/09/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477147	MW01B	06/07/07	0.13 JBu	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767602	MW01B	07/10/07	< 0.05	< 0.03	< 0.06		< 0.024	0.083 J	< 0.04	0.22 JABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6615101	MW02	05/31/06	0.2	0.12 J	< 0.07		< 0.05	< 0.05	< 0.03	0.12 JB	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6738304	MW02	06/27/06	0.23	0.2	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448581	MW02	01/04/07	< 0.05	0.099 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465116	MW02	04/10/07	< 0.05	0.18	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477142	MW02	06/07/07	0.13 JBu	0.23	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767601	MW02	07/10/07	< 0.05	0.22	< 0.06		< 0.024	0.087 J	< 0.04	0.18 JABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6738303	MW02 DUP	06/27/06	< 0.05	0.21	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6615102	MW03	05/31/06	0.16 J	0.45	< 0.07	31.5 J	< 0.05	0.22	< 0.03	0.39 B	< 0.05	< 0.08	< 0.04	0.79 J	< 0.08	< 0.12	< 0.04	
	A6743203	MW03	06/28/06	0.24	0.7	< 0.07	32.1 J	< 0.05	0.28	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448582	MW03	01/04/07	< 0.05	0.37	< 0.05		< 0.05	0.14 J	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465112	MW03	04/10/07	< 0.05	0.69	< 0.05		< 0.05	0.23	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	476479	MW03	06/04/07	0.25 u	0.79	< 0.06		< 0.024	0.27	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771909	MW03	07/11/07	< 0.05	0.58	< 0.06		< 0.024	0.26	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	448585	MW03 DUP	01/04/07	< 0.05	0.32	< 0.05		< 0.05	0.14 J	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	389296	MW03A	05/12/06	0.21	< 0.06	< 0.07		0.069 J	< 0.05	< 0.03	0.35 JAB	< 0.05	0.39	< 0.04	< 0.7	0.42	< 0.12	0.054 J	
	A6609602	MW03A	05/30/06	0.23	< 0.06	< 0.07	26.2 J	< 0.05	< 0.05	< 0.03	0.69 AB	< 0.05	0.19 J	< 0.04	< 0.7	0.15 J	< 0.12	< 0.04	
	A6749604	MW03A	06/29/06	0.15 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	0.39	< 0.04	< 0.7	0.11 J	< 0.12	< 0.04	
	405103	MW03A	07/11/06	0.36	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	0.19 J	< 0.04	< 0.7	0.1 J	< 0.12	< 0.04	
	414662	MW03A	08/16/06	0.1 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	1 AB	< 0.05	0.33	< 0.04	< 0.7	0.087 J	< 0.12	< 0.04	
	421347	MW03A	09/11/06	0.49	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15 A	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	430894	MW03A	10/10/06	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	0.67 B	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	439951	MW03A	11/13/06	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	0.71 AB	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	446762	MW03A	12/20/06	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	448583	MW03A	01/04/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	453720	MW03A	02/06/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465111	MW03A	04/09/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477141	MW03A	06/07/07	0.26 Bu	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771910	MW03A	07/11/07	< 0.05	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6622503	MW04	06/01/06	0.15 J	0.2	< 0.07	2.9 J	< 0.05	0.065 J	< 0.03	0.67 B	< 0.05	< 0.08	< 0.04	1.2 J	< 0.08	< 0.12	< 0.04	
	A6743201	MW04	06/28/06	0.18	0.32	< 0.07	3.6 J	< 0.05	0.1 J	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448960	MW04	01/05/07	< 0.05	0.16 J	< 0.05		< 0.05	0.067 J	< 0.05	0.23 JBz	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465590	MW04	04/11/07	< 0.05	0.36 A	< 0.05		< 0.05	0.13 J	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477137	MW04	06/07/07	0.13 JBu	0.35	< 0.06		< 0.024	0.16 J	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7758903	MW04	07/09/07	0.072 Ju	0.35	< 0.06		< 0.024	0.27	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6622505	MW04 DUP	06/01/06	0.14 J	0.19 J	< 0.07	3 J	< 0.05	0.075 J	< 0.03	0.62 B	< 0.05	< 0.08	< 0.04	0.76 J	< 0.08	< 0.12	< 0.04	
	A6609601	MW04A	05/30/06	0.19	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	0.53 AB	< 0.05	< 0.08	< 0.04	< 0.7	0.14 J	< 0.12	< 0.04	
	A6738306	MW04A	06/27/06	0.18	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	0.29	< 0.12	< 0.04	
	A6622502	MW05	06/01/06	0.16 J	0.17 J	< 0.07	0.9 J	< 0.05	< 0.05	< 0.03	0.26 JB	< 0.05	< 0.08	< 0.04	1.1 J	< 0.08	< 0.12	< 0.04	

Notes:
[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	DI-ISOPROPYL ETHER	ETHER	ETHYL-BENZENE	FLUORO-TRICHLORO-METHANE	ISOPROPYL-BENZENE	METHYLENE CHLORIDE	METHYL-TERT-BUTYL-ETHER	NAPHTHALENE	N-PROPYL-BENZENE	TETRA-HYDRO-FURAN	TOLUENE	XYLENE, M+P	XYLENE, O	XYLENE, TOTAL
	A6756902	MW05	06/30/06	0.067 J	0.26 A	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	1.3 J	< 0.08	< 0.12	< 0.04	
	448575	MW05	01/03/07	< 0.05	0.099 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465117	MW05	04/10/07	< 0.05	0.27	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	1 J	< 0.05	< 0.09	< 0.05	
	477134	MW05	06/07/07	0.069 JBu	0.25	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	480340	MW-05	06/19/07	0.088 J	0.32 A	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771902	MW05	07/11/07	< 0.05	0.17	< 0.06		< 0.024	0.071 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	448584	MW05 DUP	01/03/07	< 0.05	0.12 J	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	A6609603	MW06	05/30/06	0.14 J	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	0.35 JAB	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6738301	MW06	06/27/06	< 0.05	< 0.06	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448576	MW06	01/03/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465118	MW06	04/10/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	477152	MW06	06/07/07	0.2 Bu	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771905	MW06	07/11/07	< 0.05	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6629202	MW07	06/02/06	0.13 J	0.076 J	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6743207	MW07	06/28/06	0.12 J	0.11 J	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11 M	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	A6743209	MW07 DUP	06/28/06	0.12 J	0.1 J	< 0.07		< 0.05	< 0.05	< 0.03	< 0.11	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
	448577	MW07	01/03/07	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	465589	MW07	04/11/07	< 0.05	0.11 JM	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	476487	MW07	06/05/07	0.25 u	0.11	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	480341	MW-07	06/18/07	0.14 J	0.16 A	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771903	MW07	07/11/07	< 0.05	0.089 J	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	465591	MW07 DUP	04/11/07	< 0.05	0.13 JA	< 0.05		< 0.05	< 0.05	< 0.05	< 0.15	< 0.05	< 0.07	< 0.026	< 1	< 0.05	< 0.09	< 0.05	
	476490	MW07S	06/05/07	0.16 Ju	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771904	MW07S	07/11/07	0.065 Ju	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	476494	MW07S DUP	06/05/07	0.2 u	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	476481	MW08A	06/04/07	0.32 u	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.083 J	< 0.08	< 0.023	
	A7771908	MW08A	07/11/07	0.074 Ju	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7780607	MW09	07/12/07	< 0.05	0.45	< 0.06		< 0.024	0.13 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.086 J	< 0.08	< 0.023	
	476486	MW09	06/05/07	0.3 u	0.63	< 0.06		< 0.024	0.12 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.11 J	< 0.08	< 0.023	
	476493	MW10	06/05/07	0.14 Ju	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7780602	MW10	07/12/07	< 0.05	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	476485	MW10A	06/05/07	0.31 u	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 M	< 0.08	< 0.05	< 0.022	< 1.4	0.12 J	< 0.08	< 0.023	
	A7780603	MW10A	07/12/07	0.053 Ju	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	476492	MW11A	06/05/07	0.37 u	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	0.15 J	< 0.08	< 0.023	
	A7780604	MW11A	07/12/07	< 0.05	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.12 J	< 0.08	< 0.023	
	477153	MW13A	06/07/07	0.13 JBu	0.34	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.23	< 0.08	< 0.023	
	480338	MW-13A	06/19/07	0.084 J	0.36 A	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767611	MW13A	07/10/07	< 0.05	0.43	< 0.06		< 0.024	< 0.06	< 0.04	0.39 JABu	< 0.08	< 0.05	< 0.022	< 1.4	0.13 J	< 0.08	< 0.023	
	477151	MW13S	06/07/07	0.096 JBu	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	480333	MW-13S	06/18/07	< 0.05	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 AQ	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7767610	MW13S	07/10/07	< 0.05	< 0.03	< 0.06		< 0.024	0.087 J	< 0.04	0.38 JABu	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	477140	MW14A	06/07/07	0.16 JBu	0.31	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7758901	MW14A	07/09/07	< 0.05	0.31	< 0.06		< 0.024	0.22	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	477148	MW15A	06/07/07	0.24 Bu	0.53	< 0.06		< 0.024	0.16 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.11 J	< 0.08	< 0.023	
	480339	MW-15A	06/19/07	0.15 J	0.65 AM	< 0.06		< 0.024	0.13 J	< 0.04	< 0.18 MA	< 0.08	< 0.05	< 0.022	< 1.4	0.088 J	< 0.08	0.22	
	A7767612	MW15A	07/10/07	< 0.05	0.53	< 0.06		< 0.024	0.26	< 0.04	0.32 JABu	< 0.08	0.08 J	< 0.022	< 1.4	0.092 J	< 0.08	< 0.023	
	477146	MW17	06/07/07	0.22 Bu	< 0.03	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771906	MW17	07/11/07	< 0.05 T	< 0.03 T	< 0.06 T		< 0.024 T	< 0.06 T	< 0.04 T	< 0.18 T	< 0.08 T	< 0.05 T	< 0.022 T	< 1.4 T	0.11 JT	< 0.08 T	< 0.023 T	
	477150	MW17A	06/07/07	0.14 JBu	0.11	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A7771907	MW17A	07/11/07	< 0.05	0.074 J	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
EPA	E607005-19	P064A	07/20/06	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	< 0.6	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-07	P064A	06/26/07	0.7 J	< 0.4			< 0.1	< 1.1	< 0.1	1.9	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-24	P064B	07/20/06	1.1	< 0.4			< 0.1	< 1.1	< 0.1	< 0.6	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-05	P064B	06/26/07	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	4	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
	A6368819	P064C	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A6615105	P064C	05/31/06	0.087 J	0.23	< 0.07	6.3 J	< 0.05	0.081 J	< 0.03	0.46 ABuj	< 0.05	< 0.08	< 0.04	< 0.7 uj	< 0.08	< 0.12	< 0.04	

Notes:
[1] Entity - Organization collecting samples. Blank = MSGRG or WMWI.
A = Analyte averaged calibration criteria within acceptable limits.
B = Analyte detected in associated Method Blank.
D = Diluted Out.
H = Holding time exceeded.
J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

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Table 9 (continued)
Summary of VOCs in Monitoring Wells 2006-July 2007

ENTITY[1]	LAB NUMBER	SAMPLE ID	SAMPLE DATE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	DI-ISOPROPYL ETHER	ETHER	ETHYL-BENZENE	FLUORO-TRICHLORO-METHANE	ISOPROPYL-BENZENE	METHYLENE CHLORIDE	METHYL-TERT-BUTYL-ETHER	NAPHTHALENE	N-PROPYL-BENZENE	TETRA-HYDRO-FURAN	TOLUENE	XYLENE, M + P	XYLENE, O	XYLENE, TOTAL
	A6749607	P064C	06/29/06	0.055 J	0.28	< 0.07	5.3 J	< 0.05	0.094 J	< 0.03	< 0.11 uj	< 0.05	< 0.08	< 0.04	< 0.7	< 0.08	< 0.12	< 0.04	
EPA	E607005-16	P064C	07/20/06	0.7	< 0.4			< 0.1	< 1.1	< 0.1	< 0.6	< 0.7	< 0.05	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
	A7385705	P064C	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	476489	P064C	06/05/07	0.3 u	0.18	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18 A	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
EPA	E706003-06	P064C	06/26/07	< 0.6	< 0.4			0.3 J	< 1.1	< 0.1	3.3	< 0.7	< 0.05	< 0.08	< 0.1	1 J	1 J	0.4 J	
	A7780605	P064C	07/12/07	< 0.05	0.18	< 0.06		< 0.024	0.068 J	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	< 0.06	< 0.08	< 0.023	
	A6368820	P067A	04/06/06		< 0.28 N			< 0.34 N	< 0.36 N		< 0.44 N	< 0.48 N	< 0.43 N		< 2.5 N	< 0.35 N			< 0.93 N
	A7385706	P067A	04/16/07		< 0.28			< 0.34	< 0.15		< 0.44	< 0.28	< 0.43		< 1.6	< 0.51			< 0.93
	491498	PUMP 1	07/30/07	0.11 J	< 0.03	< 0.06		0.21	< 0.06	< 0.04	< 0.18	< 0.08	0.13 J	< 0.022	< 1.4	0.53	0.24 J	0.12	
	477521	PZ_DYER	06/08/07	0.23 B	< 0.03	< 0.06		0.2	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.2	< 0.08	< 0.023	
	479515	PZ_DYER	06/15/07	0.11 JT	< 0.03 T	< 0.06 T		< 0.024 T	< 0.06 T	< 0.04 T	< 0.18 AQT	< 0.08 T	< 0.05 T	< 0.022 T	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E707001-02	PZ_DYER	07/17/07	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	50	< 0.7	0.07 J	< 0.08	< 0.1	< 0.4	< 0.07	< 0.1	
	477524	PZ_MOOSE	06/08/07	0.13 J	0.066 J	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.18 J	< 0.08	< 0.023	
	479513	PZ_MOOSE	06/15/07	0.11 JT	0.099 JAT	< 0.06 T		< 0.024 T	< 0.06 T	< 0.04 T	< 0.18 MQ	< 0.08 T	< 0.05 T	< 0.022 T	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
	477523	PZ_STAGE-COACH	06/08/07	0.16 JB	0.35	< 0.06		< 0.024	< 0.06	< 0.04	< 0.18	< 0.08	< 0.05	< 0.022	< 1.4	0.18 J	< 0.08	< 0.023	
	479514	PZ_STAGE-COACH	06/15/07	0.073 JT	0.51 AT	< 0.06 T		< 0.024 T	< 0.06 T	< 0.04 T	< 0.18 AQT	< 0.08 T	< 0.05 T	< 0.022 T	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E707002-04	PZ_MOELLER	07/18/07	< 0.6	< 0.4			< 0.1	< 1.1	< 0.1	50	< 0.7	0.2 J	0.3 J	< 0.1	< 0.4	0.4 J	< 0.1	

Notes:
[1] Entity = Organization collecting samples. Blank = MSGRG or WMWI.
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J = Estimated value.
K = The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

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Table 10
Summary of VOCs in Private Wells 2006-July 2007

ENTITY[(1)]	LAB NUMBER	SAMPLED	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRACHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	BENZENE	BROMO-DICHLORO-METHANE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	ETHYL-BENZENE	METHYLENE CHLORIDE	TETRA-HYDROFURAN	TOLUENE	XYLENE, M + P	XYLENE, O	XYLENE, TOTAL
EPA	E607005-21	CO.PARK 1	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-03	CO.PARK 1	6/26/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	14	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-09	CO.PARK 1 DUP	6/26/07	< 0.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	3.4	< 0.1	< 0.4	< 0.07	< 0.1	
	401363	CO.PARK 2	6/28/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.28	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	A6743202	CO.PARK 2	6/28/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.28	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
EPA	E607005-20	CO.PARK 2	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-02	CO.PARK 2	6/26/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	3.7	< 0.1	< 0.4	< 0.07	< 0.1	
	389287	CW07	5/12/06	< 0.14	< 0.17	< 0.17	< 0.13	< 0.14	< 0.17	< 0.16	< 0.21	< 0.23	< 0.12	< 0.14	< 0.21	< 0.23	< 0.21	< 0.12	< 0.22	< 0.13	< 0.14	< 0.16	< 0.1	< 0.2		< 0.23			< 0.22
	393589	CW07	6/1/06	< 0.14	< 0.17	< 0.17	< 0.13	< 0.14	< 0.17	< 0.16	< 0.21	< 0.23	< 0.12	< 0.14	< 0.21	< 0.23	< 0.21	< 0.12	< 0.22	< 0.13	< 0.14	< 0.16	< 0.1	< 0.2 A		< 0.23			< 0.22
	A6622504	CW07	6/1/06	< 0.14	< 0.17	< 0.17	< 0.13	< 0.14	< 0.17	< 0.16	< 0.21	< 0.23	< 0.12	< 0.14	< 0.21	< 0.23	< 0.21	< 0.12	< 0.22	< 0.13	< 0.14	< 0.16	< 0.1	< 0.2 A		< 0.23			< 0.22
	393590	CW07 DUP	6/1/06	< 0.14	< 0.17	< 0.17	< 0.13	< 0.14	< 0.17	< 0.16	< 0.21	< 0.23	< 0.12	< 0.14	< 0.21	< 0.23	< 0.21	< 0.12	< 0.22	< 0.13	< 0.14	< 0.16	< 0.1	< 0.2 A		< 0.23			< 0.22
	405104	CW07	7/11/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.31	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	< 0.22
	414663	CW07	8/16/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	< 0.05	< 0.06	< 0.05	0.86 AB	< 0.7	< 0.08	< 0.12	< 0.04	
	421348	CW07	9/11/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	0.41	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	430895	CW07	10/10/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	0.41 JB	< 1	< 0.05	< 0.09	< 0.05	
	439952	CW07	11/13/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	0.66 AB	< 1	< 0.05	< 0.09	< 0.05	
	446761	CW07	12/20/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	448959	CW07	1/5/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	453721	CW07	2/6/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	465120	CW07	4/10/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	476491	CW07	6/5/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.05	< 0.03	< 0.04	< 0.026	0.25 u	< 0.03	< 0.024	< 0.18 A	< 1.4	< 0.06	< 0.08	< 0.023	
	A7758902	CW07	7/9/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.05	< 0.03	< 0.04	< 0.026	< 0.05	< 0.03	< 0.024	0.34 JABu	< 1.4	< 0.06	< 0.08	< 0.023	
EPA	E607004-03	PW_02	7/18/06	< 0.4	< 0.7	0.9	0.6	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706002-02	PW_02	6/25/07	< 0.07 J	< 0.7	0.8 J	0.5 J	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	0.3 J	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	2.9	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-26	PW_08	7/20/06	1 2	1	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706002-03	PW_08	6/25/07	4.2 J	2.4	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	0.5 J	< 0.1	3.7	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706002-04	PW_08	6/25/07	4.2 J	2.3	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	0.6 J	< 0.1	2.9	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-22	PW_09	7/20/06	1.1	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-04	PW_09	6/26/07	1.1 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	2.3	< 0.1	< 0.4	< 0.07	< 0.1	
	389295	PW_14	5/12/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.18	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
EPA	E607005-10	PW_14	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	446760	PW_14	12/20/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
EPA	E707002-07	PW_14	7/19/07	< 0.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	0.1 J	0.1 J	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	49	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-13	PW_22	7/20/06	3.5	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	477519	PW_22	6/8/07	1.7	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.05	< 0.03	< 0.04	< 0.026	0.21 B	0.19	< 0.024	< 0.18	< 1.4	< 0.06	< 0.08	< 0.023	
	479519	PW_22	6/15/07	1.7 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.05 T	< 0.03 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.026 T	0.075 JT	0.23 AT	< 0.024 T	< 0.18 AQT	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E706004-01	PW_22	6/27/07	3.2 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707001-05	PW_22 DUP	7/17/07	2.7	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	49	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-12	PW_29	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707002-03	PW_29	7/18/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	56 J	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-08	PW_41	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707002-01	PW_41	7/18/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	49	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-06	PW_AVITRANO	7/20/06	1	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	477518	PW_AVITRANO	6/8/07	1.6	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.05	< 0.03	< 0.04	< 0.026	< 0.05	0.24	< 0.024	< 0.18	< 1.4	0.18 J	< 0.08	< 0.023	
	479517	PW_AVITRANO	6/15/07	1.6 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.05 T	< 0.03 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.026 T	0.16 JT	0.27 AT	< 0.024 T	< 0.18 AQT	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E706004-02	PW_AVITRANO	6/27/07	2.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706004-07	PW_AVITRANO D	6/27/07									< 2.1			< 2.3	< 2.4													
EPA	E707001-06	PW_AVITRANO	7/17/07	2.3	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	59	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706004-07	PW_AVITRANO D	6/27/07									< 2.1			< 2.3	< 2.4													

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Table 10 *(continued)*
Summary of VOCs in Private Wells 2006-July 2007

ENTITY(1)	LAB NUMBER	SAMPLED	SAMPLE DATE	VINYL CHLORIDE	1,2-DICHLORO-ETHENE, TOTAL	TRI-CHLORO-ETHENE	TETRA-CHLORO-ETHENE	1,1,1-TRICHLORO-ETHANE	1,1,2,2-TETRACHLORO-ETHANE	1,1-DICHLORO-ETHANE	1,1-DICHLORO-ETHENE	1,2-DICHLORO-BENZENE	1,2-DICHLORO-ETHANE	1,2-DICHLORO-PROPANE	1,3-DICHLORO-BENZENE	1,4-DICHLORO-BENZENE	BENZENE	BROMO-DICHLORO-METHANE	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-METHANE	DICHLORO-DIFLUORO-METHANE	ETHYL-BENZENE	METHYLENE CHLORIDE	TETRA-HYDROFURAN	TOLUENE	XYLENE, M + P	XYLENE, O	XYLENE, TOTAL
EPA	E607005-18	PW_47	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-08	PW_47	6/26/07	< 0.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	5.7	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-14	PW_49	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-04	PW_49 Dup	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706003-01	PW_49	6/26/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	0.6 J	< 0.4 J	< 0.1	2.1	< 0.1	< 0.4	< 0.07	< 0.1	
	389292	PW_DAVIS	5/12/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.2	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	446946	PW_DAVIS	12/22/06	< 0.018 H	< 0.06	< 0.05 H	< 0.05 H	< 0.04 H	< 0.018 H	< 0.06 H	< 0.04 H	< 0.04 H	< 0.03 H	< 0.05 H	< 0.05 H	< 0.06 H	< 0.04 H	< 0.04 H	< 0.06 H	< 0.029 H	< 0.05 H	< 0.05 H	< 0.05 H	0.22 JBzh	< 1 H	< 0.05 H	< 0.09 H	< 0.05 H	
	456737	PW_DAVIS	2/27/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	0.34 JAB	< 1	< 0.05	< 0.09	< 0.05	
EPA	E607003-02	PW_44	7/19/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	r	< 0.5	< 0.2	r	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	389290	PW_HENNE	5/12/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.18	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	446758	PW_HENNE	12/20/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
EPA	E607005-17	PW_48	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707001-04	PW_48 Dup	7/17/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	60	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707001-03	PW_48	7/17/07	< 0.07	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	0.1 J	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	57	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607003-03	PW_50	7/19/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-03	PW_50	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706004-04	PW_50	6/27/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707002-09	PW_H	7/19/07	0.08 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	0.2 J	< 0.5	< 0.2	0.3 J	0.3 J	< 0.07	< 0.1	0.1 J	< 0.4	< 0.6	< 0.4	0.2 J	45	< 0.1	< 0.4	0.2 J	< 0.1	
EPA	E607005-23	PW_M HENNEBERRY	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607004-02	PW_M DUP	7/18/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	1.2	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	2.7	< 0.4	< 0.07	< 0.1	
EPA	E607004-01	PW_M	7/18/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 2.1	1.1	< 0.2	< 2.3	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	1	< 0.4	< 0.1	< 0.6	2.8	< 0.4	< 0.07	< 0.1	
	477520	PW_M	6/8/07	< 0.013	< 0.06	< 0.05	< 0.05	< 0.05	< 0.019	< 0.06	< 0.05	< 0.05	< 0.03	< 0.05	< 0.027	< 0.04	< 0.05	< 0.03	< 0.04	< 0.026	0.33 B	0.09 J	< 0.024	< 0.18	< 1.4	0.17 J	< 0.08	< 0.023	
	479520	PW_M	6/15/07	0.17 T	< 0.06	< 0.05 T	< 0.05 T	< 0.05 T	< 0.019 T	< 0.06 T	< 0.05 T	< 0.05 T	0.22 T	< 0.05 T	< 0.027 T	< 0.04 T	< 0.05 T	< 0.03 T	< 0.04 T	< 0.026 T	0.17 T	0.11 AT	< 0.024 T	< 0.18 AQT	< 1.4 T	< 0.06 T	< 0.08 T	< 0.023 T	
EPA	E706003-10	PW_M	6/26/07	< 0.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	2.1	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-15	PW_42	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707002-02	PW_42	7/18/07	0.13 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	34	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607003-01	PW_46	7/19/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 2.1	< 0.5	< 0.2	< 2.3	< 2.4	< 0.07	< 0.1	< 0.07	< 0.4	1.1	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E706002-01	PW_46	6/25/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	0.4 J	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	3.4	< 0.1	< 0.4	< 0.07	< 0.1	
	389293	PW_PRIES	5/12/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.17	< 0.06	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
EPA	E607005-07	PW_PRIES	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	446945	PW_PRIES	12/22/06	< 0.018 H	< 0.06	< 0.05 H	< 0.05 H	< 0.04 H	< 0.018 H	< 0.06 H	< 0.04 H	< 0.04 H	< 0.03 H	< 0.05 H	< 0.05 H	< 0.06 H	< 0.04 H	< 0.04 H	< 0.06 H	< 0.029 H	< 0.05 H	< 0.05 H	< 0.05 H	0.37 JBzh	< 1 H	< 0.05 H	< 0.09 H	< 0.05 H	
	456736	PW_PRIES	2/27/07	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	< 0.05	< 0.05	0.51 AB	< 1	< 0.05	< 0.09	< 0.05	
EPA	E706002-05	PW_PRIES	6/25/07	< 0.07 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	3.3	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E607005-11	PW_52	7/20/06	< 0.4	< 0.7	0.9	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
EPA	E707002-08	PW_52	7/19/07	< 0.07								< 1.9			< 2.1	< 2.2													
EPA	E707002-08RE	PW_52	7/19/07	< 0.4 J	< 0.7	0.9 JL	< 0.5 J	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08 J	< 0.5	< 0.2 J	< 0.1 J	< 0.09 J	< 0.07 J	< 0.1	< 0.07 J	< 0.4	< 0.6 J	< 0.4 J	< 0.1 J	51 J	< 0.1 J	< 0.4 J	< 0.07 J	< 0.1 J	
EPA	E607005-09	PW_12	7/20/06	< 0.4	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	
	389288	PW_SEYBOLD	5/12/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.13 J	0.29	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	393586	PW_SEYBOLD	6/1/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.15 J	0.19 J	< 0.05	0.12 JB	< 0.7	< 0.08	< 0.12	< 0.04	
	A6756901	PW_SEYBOLD	6/30/06	< 0.018	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.23	0.19 JA	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	446759	PW_SEYBOLD	12/20/06	< 0.018	< 0.06	< 0.05	< 0.05	< 0.04	< 0.018	< 0.06	< 0.04	< 0.04	< 0.03	< 0.05	< 0.05	< 0.06	< 0.04	< 0.04	< 0.06	< 0.029	< 0.05	0.29	< 0.05	< 0.15	< 1	< 0.05	< 0.09	< 0.05	
	389294	PW_THIELE	5/12/06	0.48	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.17	0.38	< 0.05	< 0.11	0.71 J	< 0.08	< 0.12	< 0.04	
	A6609604	PW_THIELE	5/30/06	0.42	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.2	0.23	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
	A6743204	PW_THIELE	6/28/06	0.49	< 0.06	< 0.03	< 0.05	< 0.07	< 0.018	< 0.031	< 0.06	< 0.04	< 0.04	< 0.06	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	< 0.09	0.34	0.31	< 0.05	< 0.11	< 0.7	< 0.08	< 0.12	< 0.04	
EPA	E607005-05	PW_TVITRANO	7/20/06	0.5	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	0.5	< 0.1	< 0.07	< 0.4	1	< 0.4	0.6	< 0.6	< 0.1	0.8	0.4	< 0.1	
EPA	E706004-03	PW_TVITRANO	6/27/07	1.4 J	< 0.7	< 0.1	< 0.5	< 0.6	< 0.2	< 0.5	< 0.7	< 0.08	< 0.5	< 0.2	< 0.1	< 0.09	< 0.07	< 0.1	< 0.07	< 0.4	< 0.6	< 0.4 J	< 0.1	< 0.6	< 0.1	< 0.4	< 0.07	< 0.1	

Notes:

(1) Entity = Organization collecting samples. Blank = MSGRG or WMWI.

A = analyte averaged calibration criteria within acceptable limits.

B = analyte detected in associated Method Blank.

D = diluted out.

H = holding time exceeded.

J = estimated value.

M = Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.

Q = Laboratory Control Sample outside acceptance limits.

T = sample received with improper preservation or temperature.

Z = calibration criteria exceeded.

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Table 11
Surface Water Sample Result Summary

	POND DEPTH (ft)	SAMPLE DEPTH (ft)	VINYL CHLORIDE (µg/L)	CIS-1,2-DCE (µg/L)	CHLORIDE (mg/L)
August 23, 1999					
Fischer	13	6	<0.3	<0.2	NA
Loppnow	3	1	<0.3	<0.2	NA
Dyer					
Dyer Pond 1	2-3	1.5-2	<0.3	<0.2	NA
Dyer Pond 2	1	1	<0.3	<0.2	NA
Dyer Pond 3	30	8	<0.3	<0.2	NA
Dyer Pond 3	30	16	<0.3	<0.2	NA
Dyer Pond 3	30	30	<0.3	<0.2	NA
July 2007					
Payne and Dolan	25	12	<0.013	<0.05	84.8

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Table 12
Isotopes, Bromide, and Iodide

WELL NAME	DATE	DEUTERIUM (‰)	OXYGEN 18 (‰)	BROMIDE (UG/G)	IODIDE (UG/G)
PWAVITRANO	6/15/07	-64.7	-9.24	0.199	0.0266
MW13S	6/18/07	-52	-6.69	0.101	0.00378
MW13A	6/19/07	-55.4	-7.3	0.107	0.00563
MW15A	6/19/07	-61.8	-8.67	0.291	0.0366
MW05	6/18/07	-64.9	-9.24	0.155	0.0245
MW07	6/18/07	-62.3	-9.02	0.193	0.0237
E141A	6/18/07	-56.4	-7.88	0.0707	0.00384
E135A	6/19/07	-61.8	-8.8	0.292	0.0609
DUP 01	6/18/07	-62.1	-9.08	0.177	0.0189
MADISON LOCAL METEORIC WATER LINE (LMWL)[1]					
	Nov-99	-32.4	-7.3	NA	NA
	Sep-99	-46.7	-8.13	NA	NA
	Jul-99	-21.7	-4.2	NA	NA
	Apr-99	-67	-10.33	NA	NA
	Mar-99	-83	-12.59	NA	NA
	Feb-99	-74	-10.1	NA	NA
	1/8/1999	-180	-24.34	NA	NA
	1/2/1999	-142.2	-20.56	NA	NA
	12/6/1998	-98.4	-14.09	NA	NA
	Aug-98	-32.9	-5.16	NA	NA

Notes:

(1) Madison Local Meteoric Water Line from: Swanson, S.K., J.M. Bahr, and K.W. Potter. 2006. A Local Meteoric Water Line for Madison, Wisconsin. Open File Report 2006-1. Wisconsin Geological and Natural History Survey.

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FIGURES

FIG. 1

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FIG 2

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FIG 3

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FIG. 4

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FIG.

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FIG.

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FIG.

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FIG.

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FIG 13

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~~FIG 14~~

FIG. 14

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FIG. 16

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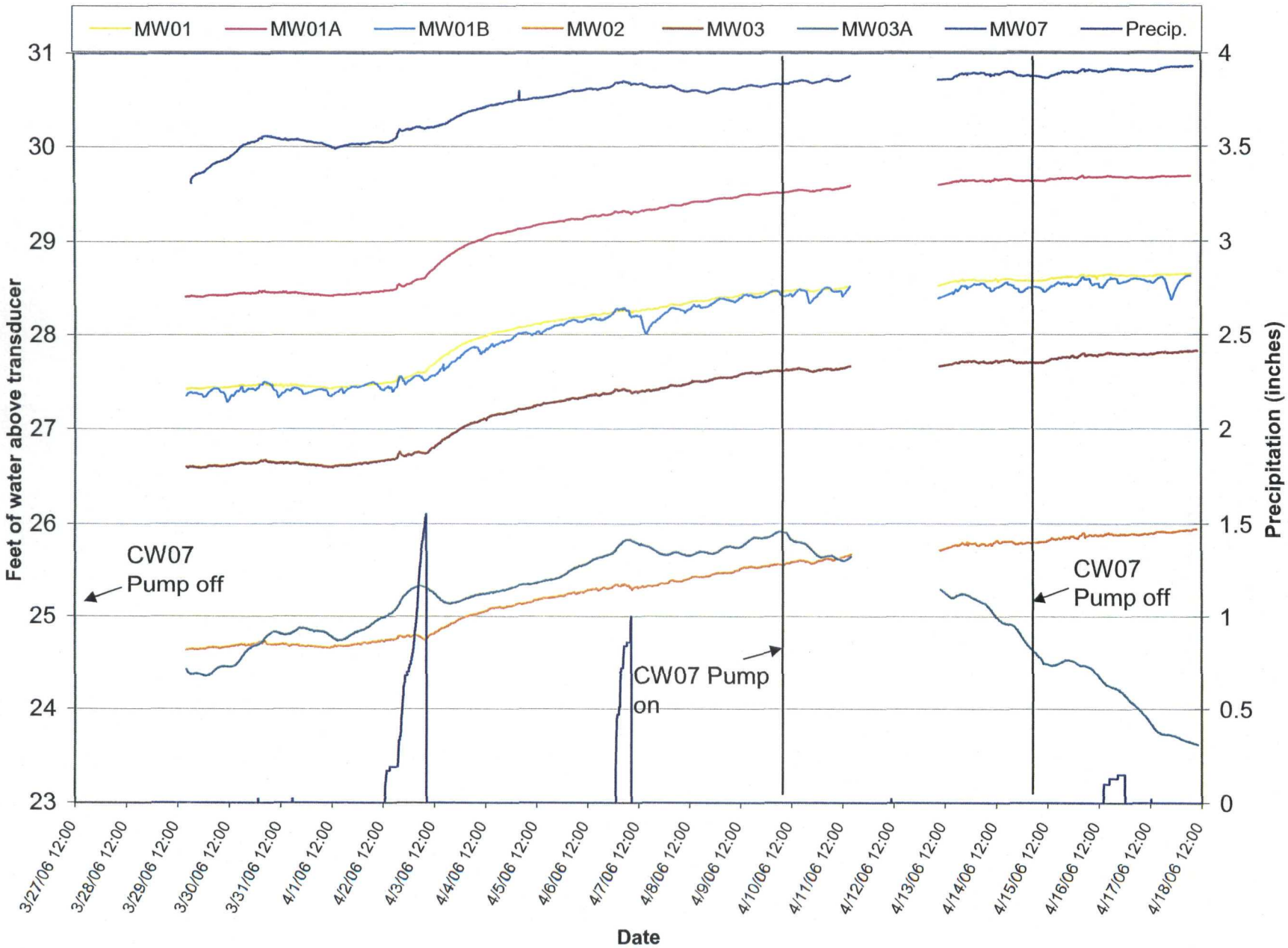
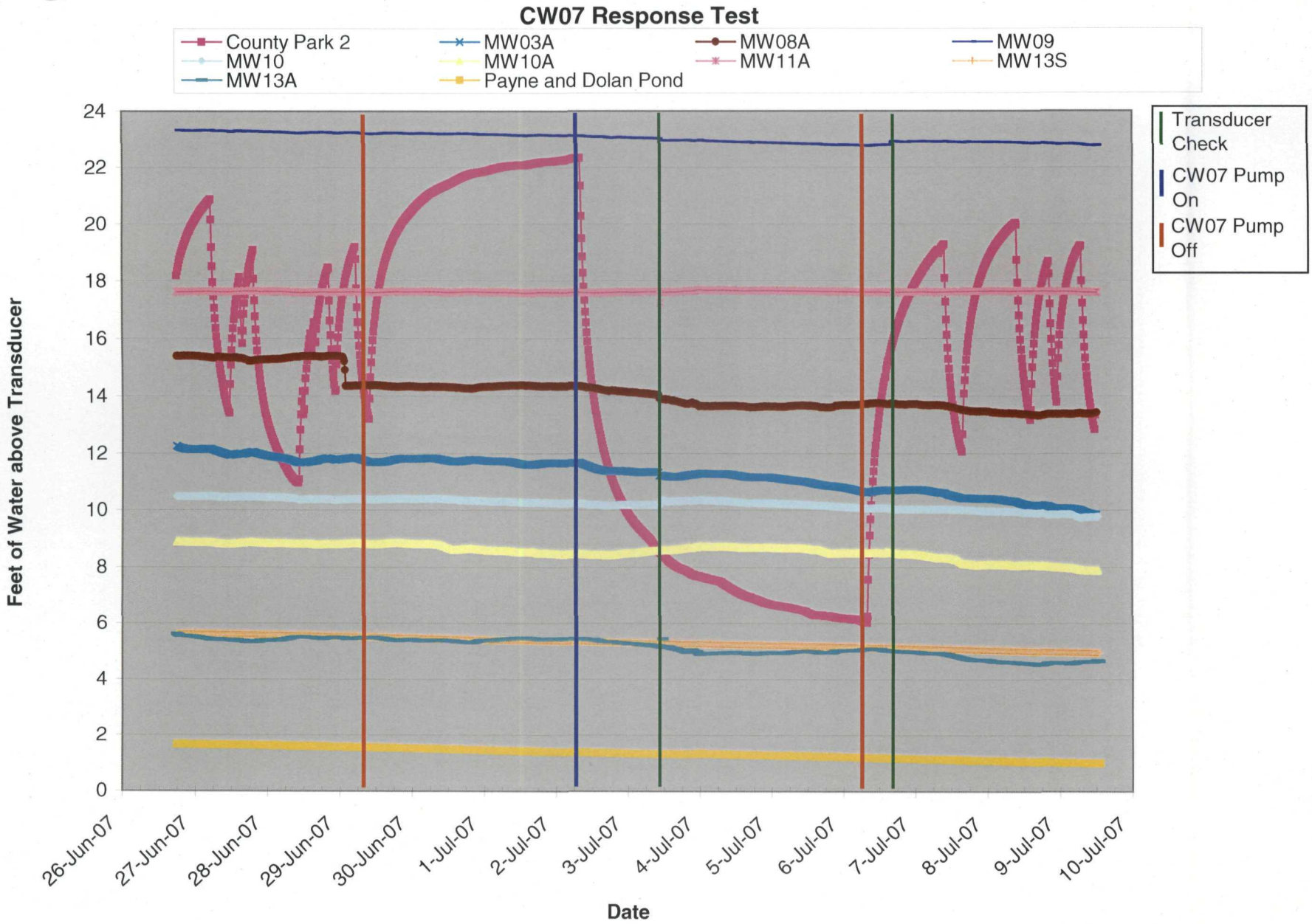
FIG. 12

FIG. 18



P:\7133\02\Response test\ResponseTestResults.xls 11/28/2007

Figure 19
CW07 2006 Response Test Results



P:\7133\03\Report\Response Test Report.xls 11/29/2007

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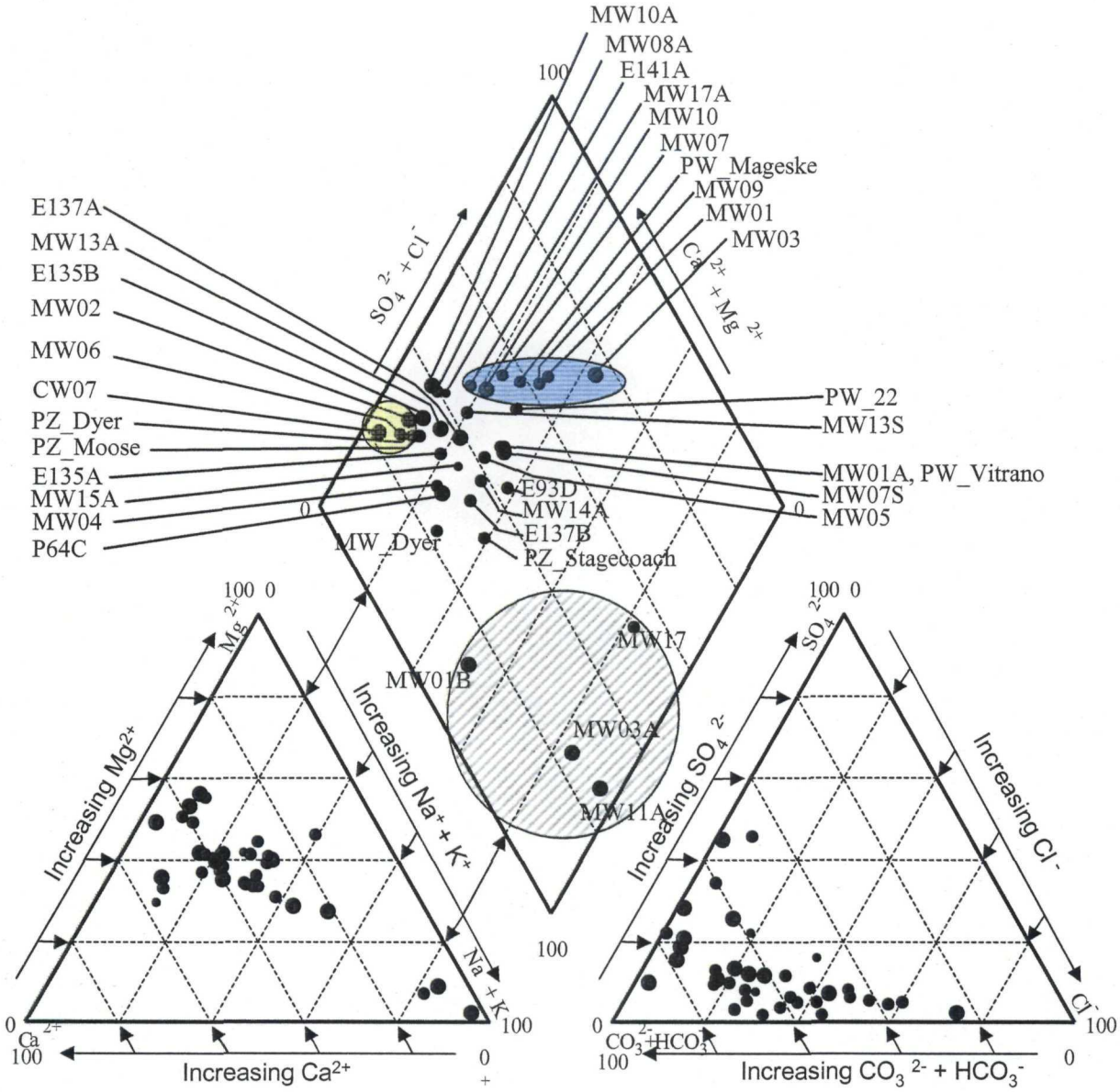
Figure 20
CW07 2007 Response Test Results



EXPLANATION

Percent Ion Balance

- 0.1
- 7.6

Background wells

Upper Diamond wells

Isolated wells

Figure 21

Trilinear Diagram

Points include data available from May and June 2006 and June and July 2007 with ion balance error of <11%.

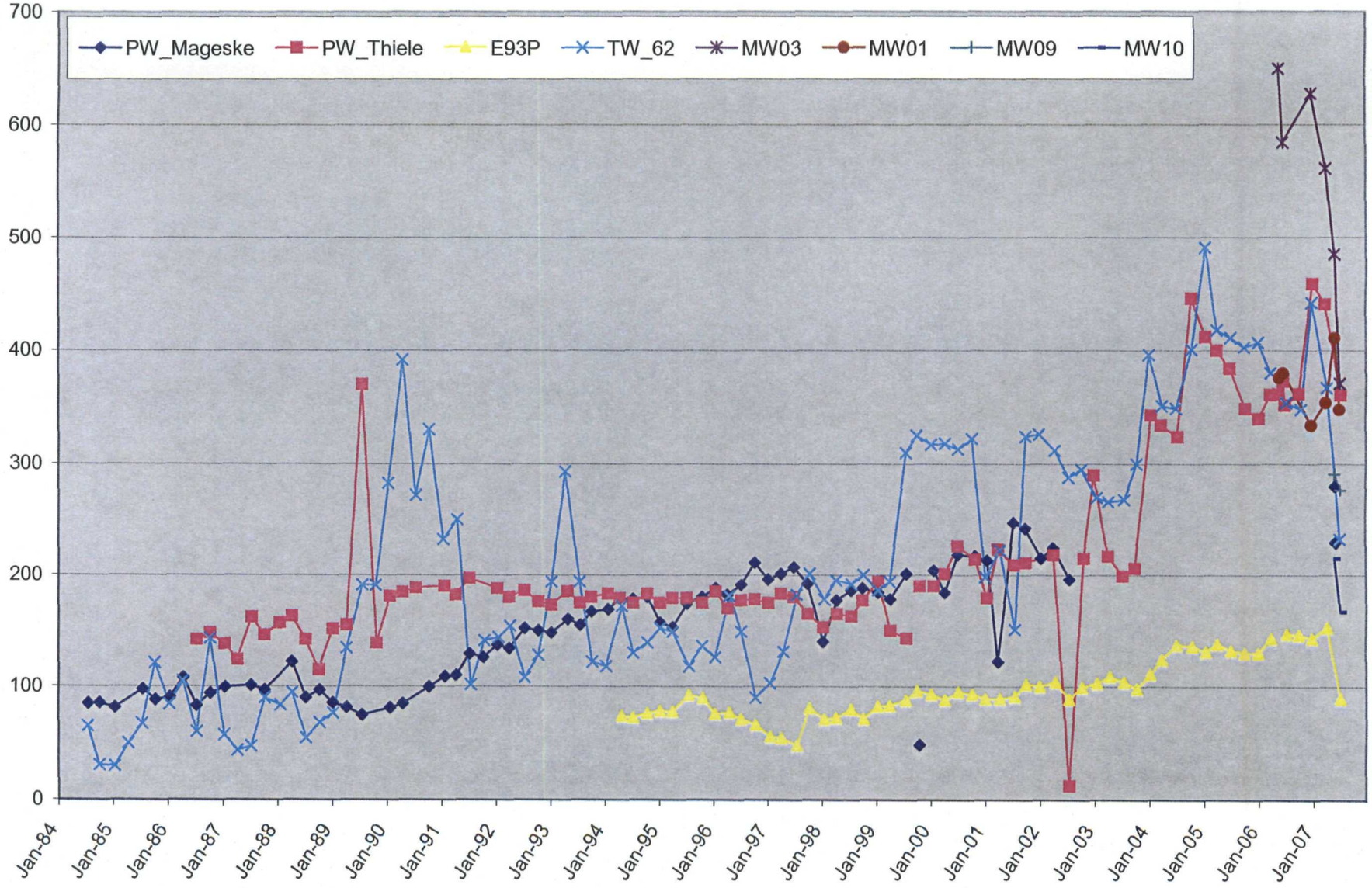


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Figure 22
Chloride Concentrations Upper Sand Unit

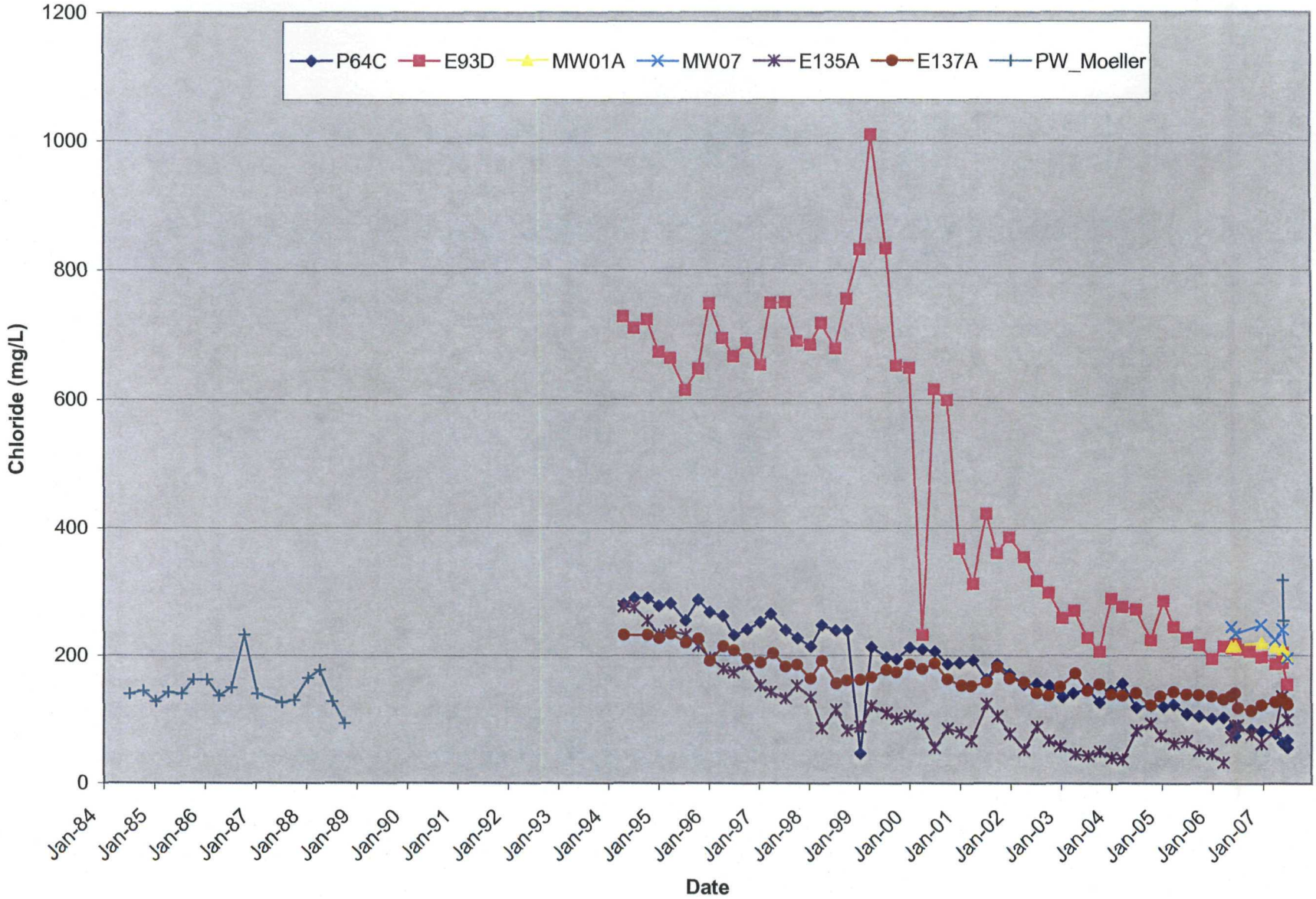

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Figure 23
Chloride Concentrations Lower Sand Unit
North Valley Wall and Valley Bottom

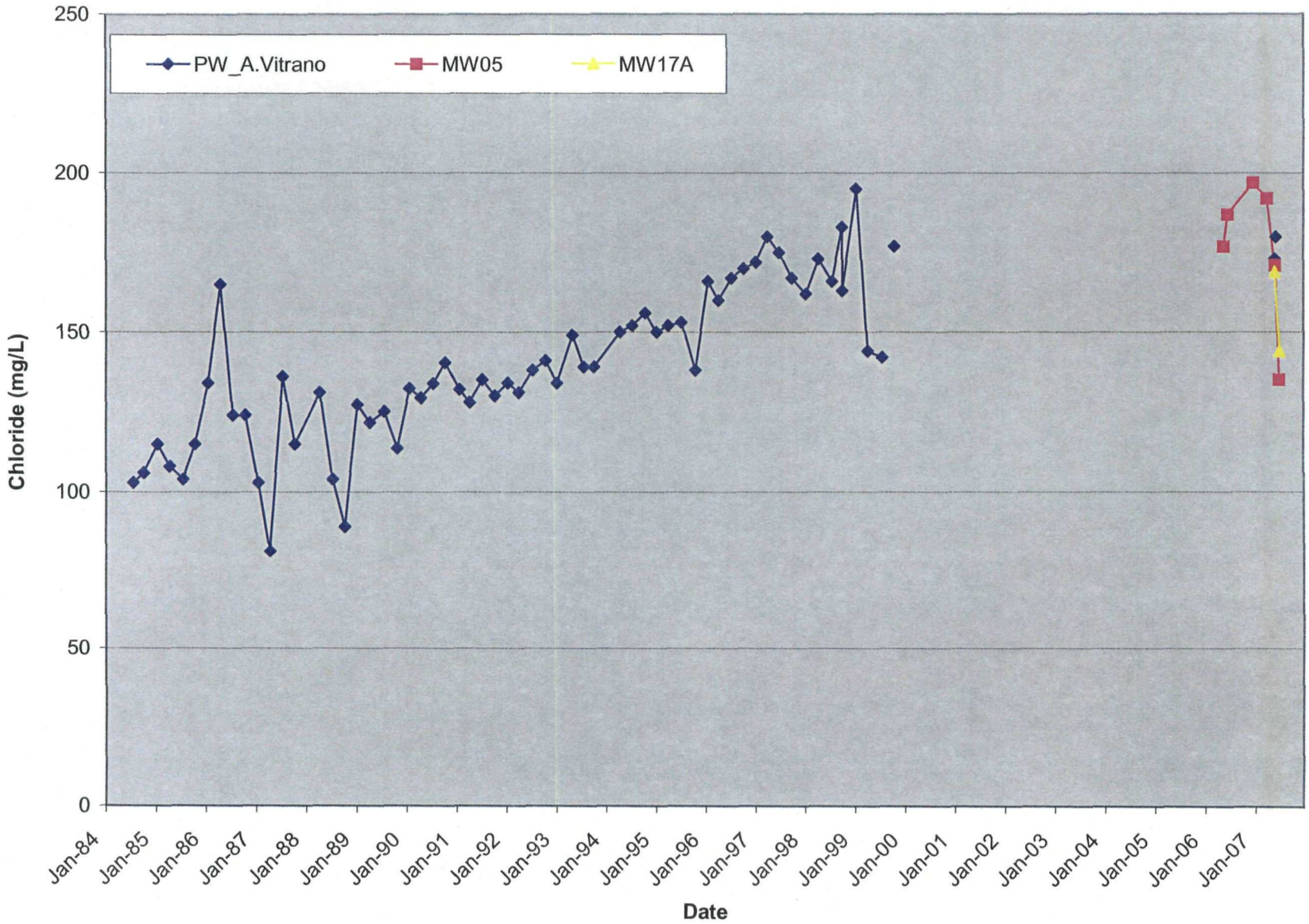

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Figure 24
Chloride Concentrations Lower Sand Unit
South Valley Wall and Southern Plateau

FIG. 25

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FIG 06

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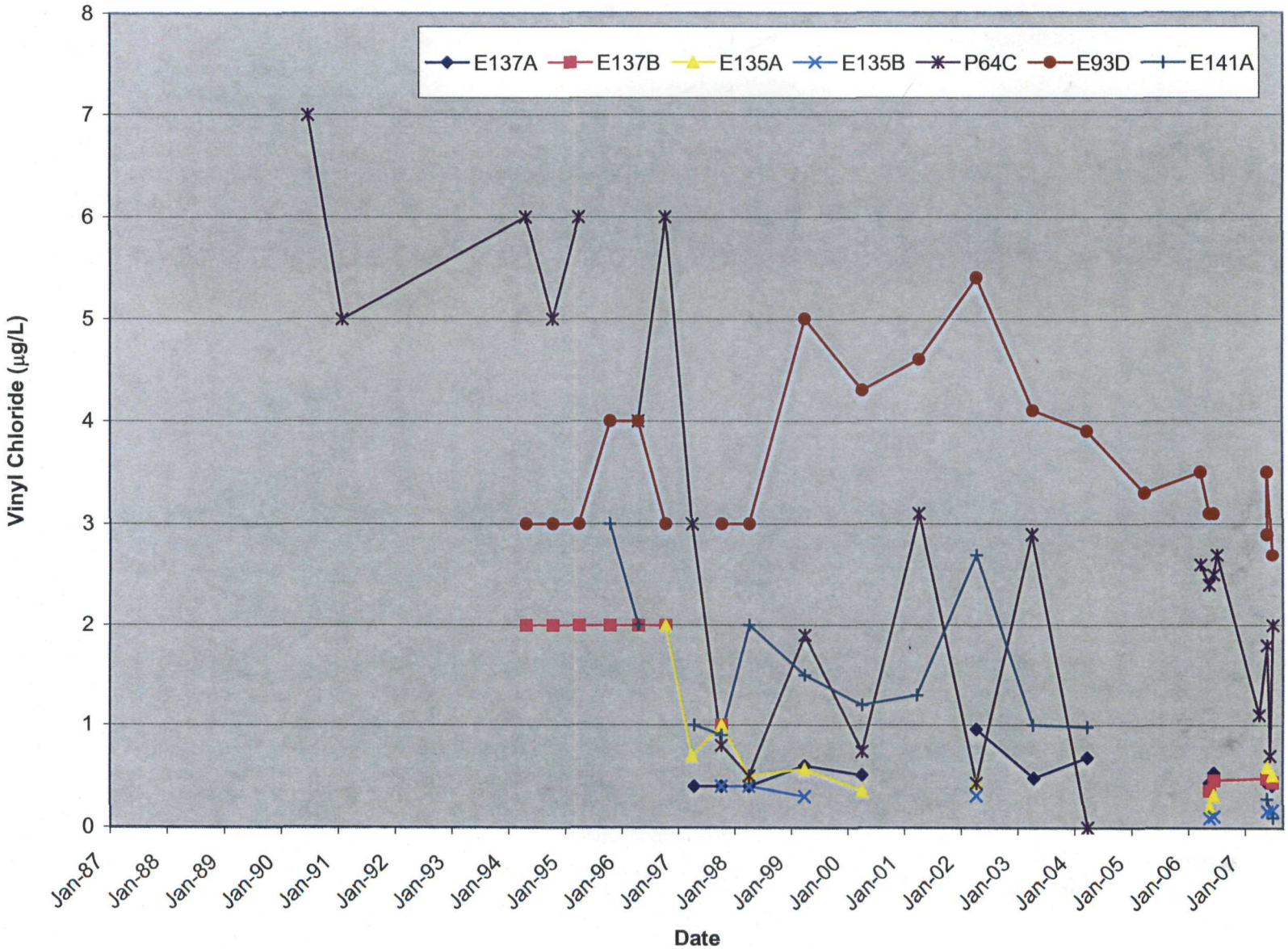

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Figure 27
Vinyl Chloride Concentrations
Muskego Sanitary Landfill

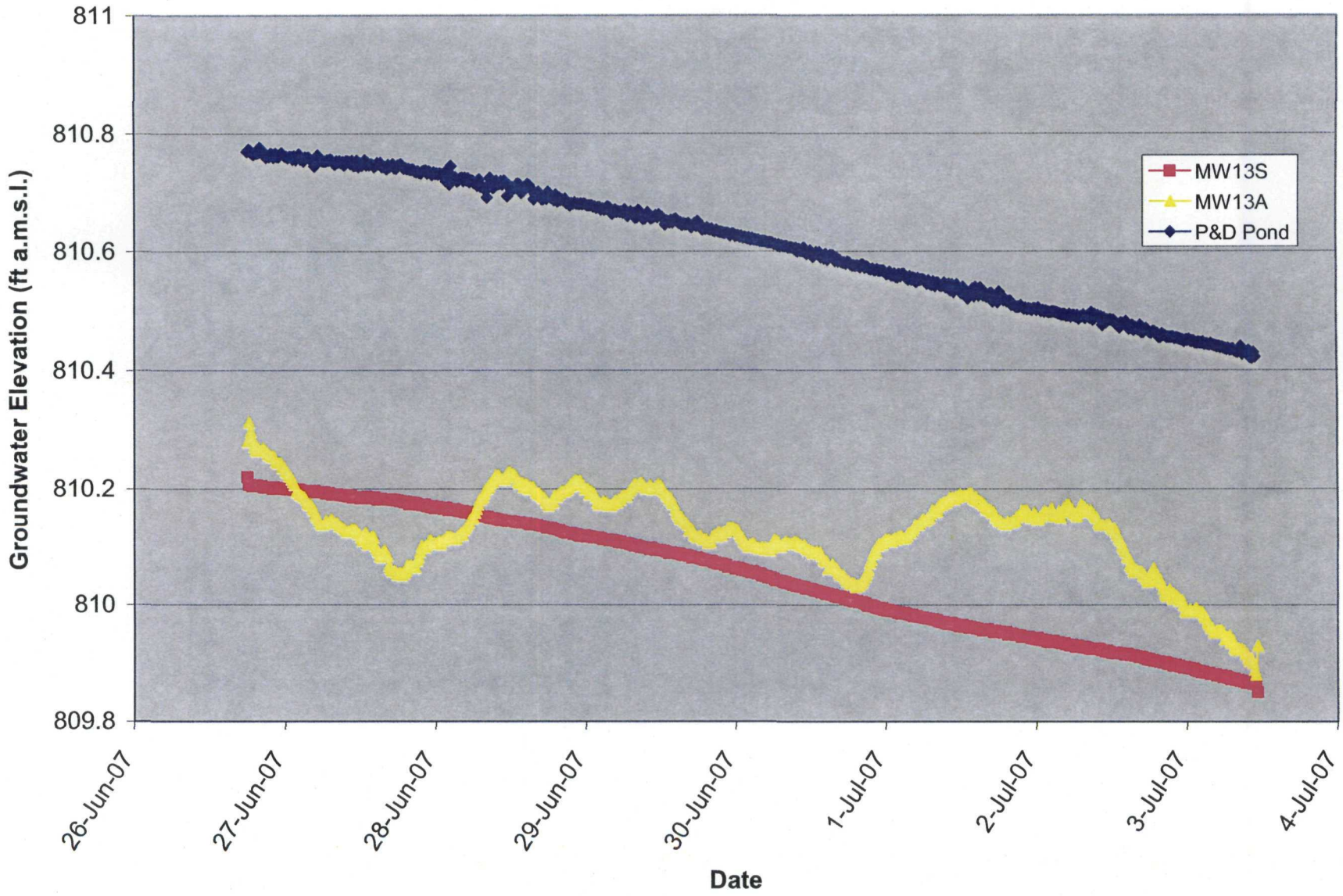

Figure 28
Groundwater Elevations
MW13 Nest and Payne and Dolan Pond

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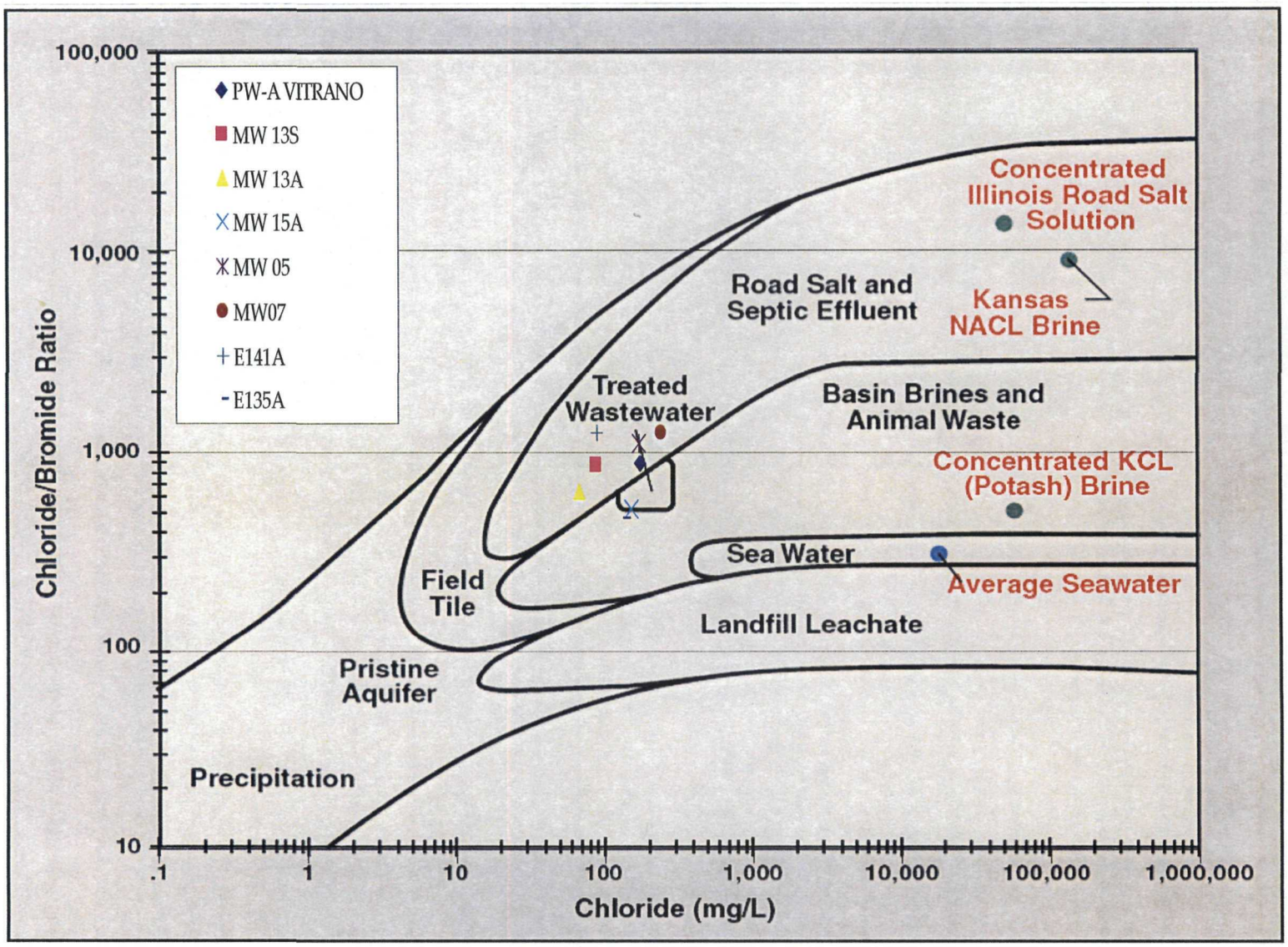

Figure 29
Bromide and Chloride Results

FIG 30

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