

GE 159 Plastics Avenue Pittsfield, MA 01201 USA

August 29, 2008

Mr. Richard Hull U.S. Environmental Protection Agency EPA New England One Congress Street, Suite 1100 Boston, Massachusetts 02114-2023

## Re: GE-Pittsfield/Housatonic River Site Groundwater Management Area 4 (GECD340) Groundwater Quality Monitoring Interim Report for Spring 2008

Dear Mr. Hull:

Enclosed is the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2008.* This report summarizes activities performed at Groundwater Management Area (GMA) 4 (also known as the Plant Site 3 GMA) during spring 2008, and presents the results of the latest round of sampling and analysis of groundwater performed as part of the interim monitoring program for GMA 4. These activities also include sampling performed in conjunction with GE's operation of two On-Plant Consolidation Areas within GMA 4, as well as select sampling conducted by Pittsfield Generating Company, L.P. in association with its existing permitted program. Upgradient groundwater elevation data collected by EPA at the adjacent Allendale School property in spring 2008 are also summarized in this report.

Please contact me if you have any questions regarding this report.

Sincerely,

Richard W Cates/PABA

Richard W. Gates Remediation Project Manager

Enclosure G:\GE\GE\_Pittsfield\_CD\_GMA\_4\Reports and Presentations\Spring 2008 GW Rpt\301811324Cvrf.tr.doc

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General Electric Company Pittsfield, Massachusetts

Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2008

August 2008

## Groundwater Management Area 4 – Groundwater Quality Monitoring Interim Report for Spring 2008

General Electric Company Pittsfield, Massachusetts

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General Electric Company Pittsfield, Massachusetts

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Date: August 2008

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#### GMA 4 – Groundwater Quality Monitoring Interim Report for Spring 2008

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## 1. Introduction

### 1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soil, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts that collectively comprise the GE-Pittsfield/ Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the RAAs at and near the GE Pittsfield facility have been divided into five separate Groundwater Management Areas (GMAs), which are illustrated on Figure 1. These GMAs are described, together with the Performance Standards established for the response actions at and related to them, in Section 2.7 of the Statement of Work for Removal Actions Outside the River (SOW) (Appendix E to the CD), with further details presented in Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs). This report relates to the Plant Site 3 Groundwater Management Area, also known as and referred to herein as GMA 4.

On July 23, 2001, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 3 Groundwater Management Area* (GMA 4 Baseline Monitoring Proposal). The GMA 4 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 4 and proposed groundwater and NAPL monitoring activities (incorporating, as appropriate, those activities that were in place at that time) for the baseline monitoring period at this GMA. EPA provided conditional approval of the GMA 4 Baseline Monitoring Proposal by letter of December 28, 2001. Thereafter, certain modifications were made to the GMA 4 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations and, subsequently, during implementation of the baseline monitoring program.

The baseline monitoring program, which was initiated in the spring of 2002, consisted of four semi-annual groundwater quality sampling events followed by the preparation and submittal of reports summarizing the groundwater monitoring results and, as appropriate, proposal of modifications to the monitoring program. The fourth baseline monitoring report for GMA 4, titled *Groundwater Management Area 4 Baseline Groundwater Quality Interim Report for Fall 2003* (Fall 2003 GMA 4 Groundwater Quality Report), was submitted to EPA on January 30, 2004. Section 6.1.3 of Attachment H to the SOW provides that if the two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs within a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline

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Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions. The approved GMA 4 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions. The Fall 2003 GMA 4 Groundwater Quality Report contained such a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 4 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 4 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Fall 2003 GMA 4 Groundwater Quality Report by letter dated May 19, 2004. Under the approved interim monitoring program, semi-annual or annual water quality sampling (alternating between the spring and fall seasons) and periodic water level monitoring at selected GMA 4 wells was initiated in spring 2004.

As part of the interim monitoring program, GE is required to submit reports after each groundwater sampling event to summarize the groundwater monitoring results and related activities and, as appropriate, propose modifications to the monitoring program. This *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2008* (Spring 2008 Groundwater Quality Report) presents the results of groundwater sampling activities performed at GMA 4 during April 2008, as well as other groundwater-related activities performed at this GMA between January and July 2008.

## 1.2 Background Information

GMA 4 is located within the mid-eastern portion of the GE Plant Area and encompasses the Hill 78 and Building 71 On-Plant Consolidation Areas (OPCAs), the Hill 78-Remainder RAA, and the portion of the Unkamet Brook Area RAA (as defined in the CD and SOW) located to the west of Plastics Avenue. GMA 4 occupies an area of approximately 80 acres, generally bounded by Tyler Street/Tyler Street Extension to the north, Merrill Road to the south, Plastics Avenue to the east, and New York Avenue to the west, as illustrated on Figure 2. The Hill 78 and Building 71 OPCAs are located within the central portion of this GMA, which also contains a generating facility operated for Pittsfield Generating Company, L.P. (PGC) under a lease with GE. Pursuant to the Seventh CD modification entered into as of May 2008, the leased portion of this property will be subject to a new ground lease, but PGC (under new ownership) will remain operator of this facility. The eastern portion of this GMA is mostly paved or covered by Buildings OP-1 and OP-2, which contain operations of General Dynamics Corporation conducted under contract with the U.S. Department of the Navy. (GE continues to own the land beneath those buildings.)

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GE has performed several activities to select, design, and utilize the Hill 78 and Building 71 OPCAs within GMA 4. Upon completion, the final cover for the Hill 78 OPCA will encompass an area of approximately 6.0 acres of the northern, central section of the site along Tyler Street. The Building 71 OPCA lies directly east and adjacent to this area, and the final cover will occupy an area of approximately 4.4 acres. Consolidation activities and the final closure of the Building 71 OPCA were completed in October 2006, while the Hill 78 OPCA continues to be used by GE and EPA for the permanent consolidation of materials (soil, sediment, demolition debris, etc.) removed during response actions and building demolition activities conducted at the GE plant and several other areas around Pittsfield that are included within the GE-Pittsfield/Housatonic River Site. The nature and scope of the required response actions at the Site, including provisions relating to use of the OPCAs, were established in the CD. In connection with the design of the OPCAs, GE developed a groundwater monitoring program consisting of a baseline groundwater investigation, groundwater monitoring during operation of the OPCAs, and future groundwater monitoring during the post-closure period. The primary objectives of the OPCA groundwater monitoring program are to:

- Periodically (on a semi-annual basis) assess groundwater conditions near the OPCAs;
- Compare current conditions with those observed during previous monitoring activities; and
- Identify potential changes in groundwater conditions that may be related to the consolidation activities.

GE performed the initial OPCA-related baseline groundwater investigations between June 14 and 17, 1999, prior to the commencement of consolidation activities. That baseline groundwater investigation originally involved sampling and analysis of 12 monitoring wells (78-1, 78-6, H78B-15, NY-4, and OPCA-MW-1 through OPCA-MW-8) to provide spatial representation on all sides of the OPCAs (i.e., upgradient, downgradient, and cross-gradient). Groundwater samples obtained from these 12 wells were analyzed for PCBs and other constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). The analytical results from that baseline investigation, along with the results from groundwater sampling events conducted during the past year under the OPCA monitoring program, are discussed below in Section 4.3.4 of this report.

Following EPA's January 2, 2001 conditional approval of the proposed OPCA groundwater monitoring program, GE initiated the semi-annual groundwater monitoring program (performed in the spring and fall of each year) at the OPCAs. That program included groundwater level measurements, groundwater sampling, and laboratory analyses for the 12 monitoring wells utilized in the OPCA baseline investigation, followed by preparation of a

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summary report. Two sampling events were conducted under the OPCA groundwater monitoring program (i.e., spring 2001 and fall 2001) prior to initiation of the overall GMA 4 baseline monitoring program, at which point the OPCA-related groundwater monitoring activities were incorporated into the other groundwater monitoring activities conducted for GMA 4.

As set forth in the GMA 4 Baseline Monitoring Proposal and Addendum, the baseline monitoring program at this GMA initially involved a total of 31 monitoring wells, including supplemental wells H78B-16, and H78B-17R. The supplemental wells were sampled solely for VOCs to assess the presence of trichloroethene (TCE) and other chlorinated compounds along the southern boundary of GMA 4. Subsequent modifications to the program approved by EPA resulted in: the decommissioning of three wells (78-7, H78B-8, and H78B-8R); the replacement of two monitoring wells (GMA4-4 for NY-4, and OPCA-MW-1R for OPCA-MW-1); and the installation and sampling of new wells GMA4-5 (designated as a GW-2 sentinel/compliance well), GMA4-6 (designated as a GW-3 perimeter/OPCA monitoring well), and recently, the decommissioning of wells OPCA-MW-1R and OPCA-MW-2 prior to the re-routing of storm and sanitary sewer lines from beneath the Hill 78 OPCA. Following completion of the re-routing project, these wells were replaced with wells OPCA-MW-1RR and OPCA-MW-2R. The wells included in the GMA 4 baseline monitoring program were monitored for groundwater elevations on a guarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or other Appendix IX+3 constituents. The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

Groundwater from deep bedrock wells within GMA 4 is utilized for industrial purposes at the PGC facility. Currently, personnel acting on behalf of PGC collect groundwater samples from an existing bedrock supply well (ASW-5, which serves as its primary source of cooling water) for analysis of PCBs and VOCs, in accordance with an existing permitted program. This well is located near the southwest corner of the steam turbine generator building, as illustrated on Figure 2. GE included the analytical results provided on behalf of PGC for samples collected from well ASW-5 in its OPCA groundwater monitoring program reports and continues to include those results in the GMA 4 interim monitoring program reports. The current PGC analytical results are discussed in Section 3.3 of this report.

As previously reported, wells H76B-16 and H78B-17R are sampled on an annual basis (alternating between spring and fall) and analyzed for VOCs to monitor the potential presence of TCE and other chlorinated compounds at the downgradient edge of GMA 4 (Figure 4). These wells were sampled in spring 2008, and the next scheduled sampling will be conducted in fall 2009. In addition, the surface of a dense glacial till forms a trough-like structure in this area (Figure 5), which acts as a confining layer against vertical migration of TCE and other chlorinated constituents. Based on the location of wells H76B-16 and H78B-17R at the downgradient edge of GMA 4 and within the glacial till trough, it is

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anticipated that the source of the TCE and other related chlorinated constituents originated from an upgradient location relative to both groundwater flow and the slope of the till surface. If TCE-containing DNAPL were present, it would tend to migrate vertically downward, based on its density relative to water, until encountering a confining layer, at which point transport would continue along the top of till interface. However, no such DNAPL has been observed in any monitoring wells within GMA 4. As shown on Figure 5, the till trough extends northwest beneath the PGC facility toward the former Hill 78 landfill.

As discussed above, the CD and the SOW provide for the performance of groundwaterrelated Removal Actions at the GMAs, including the implementation of groundwater monitoring, assessment, and recovery programs. In general, these programs consist of a baseline monitoring program conducted over a period of at least two years to establish existing groundwater conditions and a long-term monitoring program performed to assess groundwater conditions over time and to verify the attainment of the Performance Standards for groundwater. The baseline monitoring program was initiated at GMA 4 in the spring of 2002, and the fall 2003 sampling event constituted the fourth baseline sampling event at most of the wells in GMA 4. In spring 2006, GE completed the fourth sampling round at the final baseline monitoring location (well UB-MW-5), which had been dry and unable to be sampled during several of the prior baseline sampling events, and thereby completed the required baseline sampling.

In the Fall 2003 GMA 4 Groundwater Quality Report, GE described its proposed interim groundwater quality monitoring program. EPA conditionally approved that report by letter dated May 19, 2004. GE implemented the interim monitoring program during the spring 2004 sampling event and will continue that program until the completion of the soil-related Removal Actions at the GMA 4 RAAs. At that time, GE will submit a final baseline monitoring report, including a proposal concerning long-term monitoring.

As of spring 2008, the interim monitoring program consists of:

- Sampling and analysis of 12 OPCA-related wells on a semi-annual basis.
- Annual sampling and analysis (alternating between spring and fall seasons) for select constituents at two GMA 4 wells (H78B-16 and H78B-17R) located along the downgradient edge of the GMA, where VOCs were detected in groundwater.
- Monthly, quarterly, or semi-annual groundwater elevation monitoring at the wells referenced in Table 2.

The spring 2008 sampling event was initiated by GE on April 21, 2008 and completed on April 24, 2008. The GMA 4 interim groundwater quality monitoring program activities performed in spring 2008 are summarized in Table 1.

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## 1.3 Format of Document

The remainder of this report is presented in four sections. Section 2 describes the activities performed under the interim monitoring program at GMA 4 in spring and early summer 2008. Section 3 presents the analytical results obtained during the spring 2008 groundwater sampling event and the results from PGC's bedrock supply well sampling. Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW and provides an assessment of the results of the spring 2008 activities, including a comparison to those Performance Standards. A comparison of the recent monitoring results to the prior OPCA-related monitoring data is also provided. Finally, Section 5 presents GE's discussion of the implications of new and revised MDEP groundwater quality standards on the interim monitoring program, proposes certain modifications to that program, and summarizes the schedule for future field and reporting activities related to groundwater quality at GMA 4.

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## 2. Field and Analytical Procedures

## 2.1 General

The activities conducted as part of the interim groundwater monitoring program and summarized herein primarily involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 4, as described on Tables 1 and 2, and depicted on Figure 2. The construction details of the wells that were monitored and/or sampled at GMA 4 in spring 2008 are provided in Table 3. This section discusses the field procedures used to measure site groundwater levels, check for the presence of NAPL, and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were conducted in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

## 2.2 Groundwater Level Measurement and LNAPL Monitoring

Groundwater elevations were measured at the wells shown in Table 2 and all data collected during spring 2008 are summarized in Table A-1 of Appendix A. The winter groundwater elevation monitoring event was performed on January 15, 2008, and the spring 2008 groundwater elevation monitoring event at GMA 4 was conducted on April 17, 2008. The spring 2008 groundwater elevations were, on average, approximately 0.20 foot higher than the elevations measured during the prior spring monitoring round in 2007 at water table wells measured during both monitoring events. Table 4 summarizes the groundwater elevation data shown in that table were subsequently used to prepare groundwater elevation contour maps of the winter 2007/2008 and spring 2008 groundwater monitoring events (Figures 3 and 4). Wells OPCA-MW-1R and OPCA-MW-2 were not monitored in spring 2008 as they were decommissioned in fall 2007 prior to the initiation of the sewer re-routing project. Replacement wells OPCA-MW-1RR and OPCA-MW-2R were not installed until July 2008, and thus were not available to be utilized in the preparation of the groundwater contour maps.

As directed in EPA's November 14, 2006 conditional approval letter for the GMA 4 Groundwater Quality Monitoring Interim Report for Spring 2006, and initiated in fall 2007, GE has continued to include in GMA 4 submittals any EPA-generated groundwater elevation and/or analytical data from EPA-installed monitored piezometers PZ-1, PZ-2, PZ-3, and PZ-4, along with data from existing monitoring well SCH-1 located on or adjacent to the Allendale School property. The locations of these wells and piezometers are shown on Figure 2, and the EPA-generated groundwater elevation data from these locations are shown on Figures 3 and 4. The quarterly monitoring rounds for GMA 4 were coordinated with EPA so that both EPA-monitored and GE-monitored wells were gauged on the same day.

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As shown on these figures, the groundwater flow directions are generally consistent with those observed during previous seasonal monitoring events. A comparison of the groundwater contour maps with the top of till contour map (Figure 5) shows that groundwater elevations are generally correlated to changes in the elevation of the glacial till interface. Specifically, groundwater generally flows from north to south, although variations exist corresponding to changes in the topography of the ground surface and/or the glacial till interface, including a prominent groundwater depression extending from northwest to southeast across the western portion of the GMA. Well GMA4-6 is located within this depression along the northern portion of GMA 4. As directed in EPA's June 5, 2006 letter, GE will continue to monitor wells in this area on a quarterly basis to evaluate groundwater flow conditions around the OPCAs.

The EPA monitoring data are consistent with the GE GMA 4 data. Groundwater elevations are highest at the northernmost well adjacent to the school (SCH-1) and decrease from north to south (i.e., groundwater flows from the Allendale School property toward GMA 4). The groundwater elevations in the piezometers located in the downgradient portion of the Allendale School property each had higher groundwater elevations than the nearest wells on the upgradient edge of GMA 4, providing further confirmation that GMA 4 is downgradient from the Allendale School property.

Prior to June 2003, weekly groundwater and LNAPL measurements were collected at well H78B-8R. If present, LNAPL was recovered and properly disposed. In June 2003, well H78B-8R was decommissioned in order to accommodate the expansion of the Hill 78 OPCA. This well (H78B-8R) was the only location within GMA 4 where NAPL had been encountered. Since the removal of well H78B-8R, particular attention has been given to well OPCA-MW-2 (until it's decommissioning in October 2007, as discussed in Section 2.3) and well OPCA-MW-3 (located downgradient from former well H78B-8R) when groundwater measurements and samples were obtained. In addition, well GMA4-3 has been monitored on a monthly basis since April 2005 to assess the extent of LNAPL observed at GMA 3, located to the east of GMA 4, in the vicinity of Buildings 51 and 59. No NAPL was observed at any of these locations.

The results of all groundwater elevation/NAPL monitoring activities performed during spring 2008 are summarized in Appendix A. As noted above, field observations and measurements indicate that NAPL has not entered wells OPCA-MW-2 (or its replacement well OPCA-MW-2R, based on initial observations after its installation), OPCA-MW-3, or GMA4-3, or been encountered in any of the other wells monitored and/or sampled during spring 2008.

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## 2.3 Groundwater Sampling and Analysis

### 2.3.1 GMA 4 Sampling

The spring 2008 interim sampling event was performed between April 21 and April 24, 2008 at 12 groundwater monitoring wells, which include the groundwater monitoring wells associated with the OPCA monitoring program. Wells OPCA-MW-1R and OPCA-MW-2 were not sampled in spring 2008, as they were decommissioned in the fall 2007 during the sanitary and sewer re-routing project and replacement wells OPCA-MW-1RR and OPCA-MW-2R were not yet installed (these wells were installed in July 2008, following completion of restoration activities associated with that project). The pump intake depth and type of pump used during the spring 2008 sampling event are identified on the sampling records contained in Appendix B.

Low-flow sampling techniques, using either a bladder or peristaltic pump, were utilized for the purging and collection of groundwater samples during this sampling event. Each monitoring well that was sampled was purged utilizing low-flow sampling techniques until field parameters (including temperature, pH, specific conductivity, turbidity, dissolved oxygen, and, oxidation-reduction potential) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The field parameter measurements are presented in Table 5 and the field sampling records are provided in Appendix B.

Parameter	Units	Range Of Stabilized Readings		
Temperature	Degrees Celsius	8.11 to 13.45		
рН	pH units	6.03 to 7.57		
Specific Conductivity	Millisiemens per centimeter	0.434 to 3.05		
Turbidity	NTUs	0 to 20		
Dissolved Oxygen	Milligrams per liter	0.37 to 6.74		
Oxidation-Reduction Potential	Millivolts	-38.6 to 276.8		

A general summary of the stabilized field measurement results recorded during the spring 2008 monitoring event is provided below.

As shown above and in Table 5 for this sampling event, none of the groundwater samples extracted from the monitoring wells had turbidity levels greater than the target level of 50 NTU upon stabilization. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining representative groundwater samples with low turbidity.

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As discussed in the *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008* (July 2008), GE conducted an equipment check and groundwater assessment at selected wells (including well H78B-17R at GMA 4) to evaluate anomalies in pH found in fall 2007. Well H78B-17R was evaluated on April 1, 2008, and pH readings were observed during low-flow purging at the well. The initial pH was 6.80, with a final, stabilized pH reading of 6.94. Based on the results of that assessment, GE concluded that the elevated pH readings encountered in fall 2007 appeared to be related to instrument malfunctions and not to changes in groundwater chemistry or damage to the monitoring wells. The pH in groundwater at all GMA 4 locations in spring 2008 was within the historically representative range of 5.0 to 8.5 (see Table 5).

The collected groundwater samples were submitted to SGS Environmental Services, Inc. (SGS) of Wilmington, North Carolina for laboratory analysis. All groundwater samples collected during this sampling event, except those from wells H78B-16 and H78B-17R (which were submitted for analysis solely for VOCs, using EPA Method 8260B), were submitted for analysis of the following constituents using the associated EPA methods:

Constituent	EPA Method			
VOCs	8260B			
SVOCs	8270C			
PCBs (Filtered Samples)	8082			
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290			
Metals (Filtered Samples)	6010B, 7000A, and 7470A			
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol			
Sulfide	9034			

Following receipt of the analytical data on the GE samples from the laboratory, the preliminary results were reviewed for completeness and compared to the Massachusetts Contingency Plan (MCP) Method 1 GW-2 (where applicable) and GW-3 standards, and to the MCP Upper Concentration Limits (UCLs) for groundwater. The preliminary analytical results were presented in the next monthly report on overall activities at the GE-Pittsfield/Housatonic River Site.

GE's spring 2008 interim groundwater quality sampling data were validated in accordance with the FSP/QAPP. As discussed in the validation report provided in Appendix F, 99.9% of the spring 2008 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The SVOC,

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PCB, PCDD/PCDF, inorganic, cyanide, and sulfide sample results were found to be 100% usable. VOC sample results were found to be 99.9% usable. The only rejected datum was one VOC sample result from well 78-1, where the 2-chloroethylvinylether result was rejected due to MS/MSD recovery deviations.

## 2.3.2 Pittsfield Generating Company Sampling

In accordance with PGC's existing permitted program, personnel acting on behalf of PGC currently collect groundwater samples for analysis of VOCs and PCBs from PGC's deep bedrock groundwater extraction well (well ASW-5, screened at approximately 441 to 457 feet below ground surface). This well serves as the primary source of cooling water for the PGC plant. GE has included the analytical results provided on behalf of PGC for samples collected from ASW-5 on June 4, 2008 in this report, as well as a comparison of these data to historical results. A summary of well ASW-5 monitoring results is provided in Table E-1 within Appendix E.

### 2.4 Well Installation and Development

Monitoring wells OPCA-MW-1R and OPCA-MW-2 were decommissioned on October 16, 2007, in preparation for the re-routing of storm and sanitary sewer lines found beneath the Hill 78 OPCAs to areas near these wells. Following completion of restoration activities related to that project, GE installed replacement monitoring wells OPCA-MW-1RR and OPCA-MW-2R near the former well locations. Table 3 shows the survey data and well construction details for these replacement wells, along with the existing wells in the baseline monitoring program. Monitoring well logs for the replacement wells are presented in Appendix G.

Approximately one week after their installation, on July 8-9, 2008, the new monitoring wells were developed to remove fine materials (e.g., fine sand, silt, clay) that may have accumulated in the filter pack and to ensure that the well screen was transmitting groundwater representative of the surrounding formation. Development was performed by surging the saturated portion of the well screen with a surge block and removing groundwater with a submersible pump and a positive displacement pump.

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## 3. Spring 2008 Groundwater Analytical Results

## 3.1 General

A description of the spring 2008 groundwater analytical results is presented in this section. Tables 6 and 7 provide a comparison of the concentrations of detected constituents with the applicable GW-2 and GW-3 groundwater quality Performance Standards established in the CD and SOW (for wells where those respective standards apply), while Table 8 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater (for all wells sampled in spring 2008). Table C-1 in Appendix C provides the complete analytical data set (constituents detected and not detected) for the groundwater samples analyzed during this sampling event. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4.

## 3.2 Groundwater Quality Results

The following subsections provide an overview of the spring 2008 analytical results from the GMA 4 groundwater quality monitoring wells for each constituent group that was analyzed.

### 3.2.1 VOC Results

A total of 12 groundwater samples were collected and analyzed for VOCs during the spring 2008 sampling event. The VOC analytical results are summarized in Table 8 and Table C-1 (within Appendix C). No VOCs were detected in wells 78-1, 78-6, H78B-15, OPCA-MW-3, or OPCA-MW-8. At the seven wells where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.00014 ppm (at well OPCA-MW-7) to a concentration of 0.12 ppm (well H78B-17R). A total of twelve individual VOCs were detected in one or more wells. Chlorobenzene, chloroform, trichloroethene and vinyl chloride were the most frequently detected VOCs (detected in three wells each). Chlorobenzene and vinyl chloride were detected in wells H78B-16, OPCA-MW-4, and OPCA-MW-5R. Chlorobenzene was detected at estimated concentrations ranging from 0.00012 ppm (well OPCA-MW-4) to 0.0089 ppm (H78B-16). Vinyl chloride was detected at estimated concentrations from 0.00032 ppm (OPCA-MW-4) to 0.0012 ppm (OPCA-MW-Chloroform was detected in wells GMA4-6, H78B-16, and H78B-17R in 5R). concentrations ranging from an estimated concentration of 0.00014 ppm (wellH78B-16) to a concentration of 0.033 ppm (H78B-17R). Trichloroethene was detected in wells H78B-16, H78B-17R, and OPCA-MW-4 in concentrations ranging from an estimated concentration of 0.0014 ppm (well OPCA-MW-4) to a concentration of 0.082 ppm (H78B-17R).

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## 3.2.2 SVOC Results

A total of ten groundwater samples were collected and analyzed for SVOCs during the spring 2008 sampling event. The SVOC analytical results are summarized in Table 8 and Table C-1 (within Appendix C). Bis(2-ethylhexyl)phthalate, a common laboratory contaminant, was detected in two wells (78-1 and OPCA-MW-8, at estimated concentrations of 0.00094 and 0.0011 ppm, respectively) and 1,2,4-trichlorobenzene was detected in one well (OPCA-MW-4 at an estimated concentration of 0.0016 ppm). No SVOCs were detected in any of the remaining wells analyzed for this constituent group in spring 2008.

### 3.2.3 PCB Results

Filtered groundwater samples from ten wells were analyzed for PCBs as part of the spring 2008 sampling event. The PCB analytical results are summarized in Table 8 and Table C-1 (within Appendix C). PCBs were detected in two wells (OPCA-MW-6 and OPCA-MW-8) at estimated concentrations of 0.00017 ppm and 0.00019 ppm, respectively. No PCBs were detected in any of the other monitoring wells.

### 3.2.4 PCDD/PCDF Results

Groundwater samples collected from ten monitoring wells were analyzed for PCDDs/PCDFs during the spring 2008 sampling event. The analytical results summarized in Table 8 and Table C-1 (within Appendix C) show that individual PCDD/PCDF compounds were detected in six monitoring wells. In addition, total Toxicity Equivalency Quotients (TEQs) were calculated for the PCDD/PCDF compounds using the Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO). In calculating those TEQs, the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half of the analytical detection limit for those compounds, thus allowing TEQs to be developed for all wells, including the four wells where no PCDD/PCDF compounds were detected. Total TEQ concentrations ranged from 0.67x10<sup>-8</sup> ppm to 1.10x10<sup>-8</sup> ppm.

## 3.2.5 Inorganic Constituent Results

Filtered groundwater samples were obtained from ten monitoring wells for analysis of metals and physiologically available cyanide during the spring 2008 sampling event. Unfiltered samples from the ten wells were also analyzed for sulfide. The analytical results for these inorganic constituents are summarized in Table 8 and Table C-1 (within Appendix C). All locations contained at least one inorganic constituent in the filtered samples. Chromium was the mostly commonly observed inorganic constituent (detected in nine filtered samples), followed by barium (detected in eight filtered samples). Sulfide was

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detected in four wells (78-1, GMA4-6, OPCA-MW-4, and OPCA-MW-7). All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards.

## 3.3 Pittsfield Generating Facility Sample Results

The results of the most recent deep bedrock groundwater sampling activities performed on behalf of PGC at industrial supply well ASW-5 (conducted in June 2008), along with data from prior sampling events, are summarized in Table E-1 of Appendix E. PCBs were not detected in this well, while the only VOC detected in the groundwater sample collected from this well was TCE at a concentration of 0.0097 ppm.

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## 4. Assessment of Results

## 4.1 General

This report constitutes the ninth interim groundwater quality monitoring report for GMA 4, and is the fifteenth monitoring report submitted since commencement of the groundwater monitoring program associated with the OPCAs. The information presented herein is based on the laboratory results obtained during the spring 2008 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

## 4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 4 are set forth in Section 2.7 and Attachment H (Section 4.1) of the SOW. In general, the Performance Standards for groundwater quality are based on the groundwater classification categories designated in the MCP. The MCP identifies three potential groundwater categories that may be applicable to a given site. One of these, GW-1 groundwater, applies to groundwater that is a current or potential source of potable drinking water. None of the groundwater at any of the GMAs at the Site is classified as GW-1; however, the remaining MCP groundwater categories are applicable to GMA 4 and are described below:

- GW-2 groundwater is defined as groundwater that is a potential source of vapors to the indoor air of buildings. Groundwater is classified as GW-2 if it is located within 30 feet of an existing occupied building and has an average annual depth below ground surface (bgs) of 15 feet or less. Under the MCP, certain constituents present within GW-2 groundwater represent a potential source of vapors to the indoor air of the overlying occupied structures.
- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to ultimately discharge to surface water. In accordance with the CD and SOW, all groundwater at GMA 4 is considered as GW-3.

The CD and the SOW allow for the establishment of standards for GW-2 and GW-3 groundwater at the GMAs through use of one of three methods, as generally described in the MCP. The first, known as Method 1, consists of the application of pre-established numerical "Method 1" standards set forth in the MCP for both GW-2 and GW-3 groundwater (310 CMR 40.0974). These "default" standards have been developed to be conservative and will serve as the initial basis for evaluating groundwater at GMA 4. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the spring 2008 sampling event are listed in Tables 6 and 7, respectively. For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for

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developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards, GW-2 standards will be applied to GW-3 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On February 14, 2008 MDEP implemented revised Method 1 numerical standards for a number of constituents in groundwater, and this report constitutes the first report at this GMA for which those standards will be applied. In addition, in its July 30, 2008 conditional approval letter related to the *Groundwater Management Area 2 Long-Term Monitoring Program Addendum to Monitoring Event Evaluation Report for Fall 2007*, EPA specified that the low-range guidance values developed in that report for cobalt and copper should represent the Method 2 GW-3 standards for these metals at all of the GE Pittsfield GMAs. As such, although neither metal was detected in any of the samples during this sampling event, GE has utilized those Method 2 standards in its evaluation of whether there is any need for additional monitoring for those constituents.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 4 consist of the following:

- At monitoring wells designated as compliance points to assess GW-2 groundwater (i.e., groundwater located at an average depth of 15 feet or less from the ground surface and within 30 feet of an existing occupied building), groundwater quality shall achieve any of the following:
  - (a) the Method 1 GW-2 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-2 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards);
  - (b) alternative risk-based GW-2 standards developed by GE and approved by EPA as protective against unacceptable risks due to volatilization and transport of volatile chemicals from groundwater to the indoor air of nearby occupied buildings; or

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- (c) a condition, based on a demonstration approved by EPA, in which constituents in the groundwater do not pose an unacceptable risk to occupants of nearby occupied buildings via volatilization and transport to the indoor air of such buildings.
- 2. Groundwater quality shall ultimately achieve the following standards at the perimeter monitoring wells designated as compliance points for GW-3 standards:
  - (a) the Method 1 GW-3 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-3 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards); or
  - (b) alternative risk-based GW-3 standards proposed by GE and approved by EPA as protective against unacceptable risks in surface water due to potential migration of constituents in groundwater.

These Performance Standards are to be applied to the results of the individual monitoring wells included in the monitoring program. Several monitoring wells have been designated as the compliance points for attainment of the Performance Standards identified above. The compliance points were initially identified in the GMA 4 Baseline Monitoring Proposal (although certain modifications were made subsequent to that proposal as a result of EPA requirements, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the monitoring program) and are described further in Sections 4.3.1 (for GW-2 wells) and 4.3.2 (for GW-3 wells).

In addition to the Performance Standards described above, analytical results from all groundwater monitoring wells sampled during the spring 2008 sampling event were compared to the MCP UCLs for groundwater. Analytical results from wells included in the OPCA groundwater monitoring program were also compared to the 1999 baseline data and other prior OPCA-related monitoring data for those wells.

## 4.3 Groundwater Quality – Spring 2008

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2008 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 4. These Performance Standards are described in Section 4.2 above and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards and, for cobalt and copper, on the recently-developed Method 2 GW-3 standards for these two metals. The following subsections discuss the spring 2008 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 6 and 7 provide a comparison of the concentrations of the detected

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constituents with the current GW-2 and GW-3 standards, respectively, while Table 8 presents a comparison of the concentrations of detected constituents with the MCP UCLs for groundwater.

With regard to constituents that in the past were analyzed as either a filtered or unfiltered sample (i.e., PCBs and inorganics), all monitoring wells were sampled and analyzed in accordance with the approved interim program protocols during the spring 2008 sampling event, which provides for the collection of filtered data only for PCB and inorganic constituent analyses (except for sulfide, which is analyzed in unfiltered samples only). The filtered results are utilized for comparison to the MCP GW-3 standards while both the filtered and any unfiltered results are compared to the MCP UCLs for groundwater.

## 4.3.1 Spring 2008 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from three monitoring wells at GMA 4 that have been designated as GW-2 monitoring wells and will be compliance points for the GW-2 standards. These wells are H78B-15, OPCA-MW-4, and OPCA-MW-5R. The spring 2008 groundwater analytical results for the detected constituents within these three wells were compared to the MCP Method 1 GW-2 standards as presented in Table 6. In light of the new MCP Method 1 GW-2 for PCBs, a comparison of the filtered PCB results from these wells to the new GW-2 PCB standard was also performed.

There were no exceedances of GW-2 standards at any GW-2 well during this sampling round. None of the GW-2 wells exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells within 30 feet of a school or occupied residential structure, and a potential trigger level, if seen at a well where the GW-2 standards had previously been exceeded, for the proposal of interim response actions). At well OPCA-MW-5R, vinyl chloride was detected at an estimated concentration of 0.0012 ppm, which is below the GW-2 standard of 0.002 ppm. This is the first time that vinyl chloride has been detected in this well since the spring 2006 sampling event, when concentrations of vinyl chloride had exceeded the GW-2 standard. No PCBs were detected in any of the GW-2 wells in spring 2008.

### 4.3.2 Spring 2008 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from eleven wells designated as GW-3 monitoring points during the spring 2007 groundwater sampling event. Three of these wells (H78B-15, OPCA-MW-4, and OPCA-MW-5R) are designated as GW-2 Sentinel/GW-3 general source area sentinel wells. Three of these wells (78-1, 78-6, and GMA 4-6) are GW-3 upgradient perimeter wells. Five wells (OPCA-MW-3, OPCA-MW-6 though OPCA-MW-8, and H78B-17R) are downgradient GW-3 monitoring wells, which will ultimately serve as GW-3 compliance points. The analytical results for the constituents detected in these wells were

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compared to the applicable MCP Method 1 GW-3 standards as presented in Table 7. As discussed above, Method 2 GW-3 standards for cobalt and copper have been developed and implemented at the GE-Pittsfield GMAs. However, since these metals were not detected in any of the spring 2008 groundwater samples, no comparisons to these standards are contained in that table.

The comparisons set forth in Table 7 show that no constituents were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in spring 2008.

As shown in Table 7, trichloroethene (TCE) was detected at an estimated concentration of 0.038 ppm and a concentration of 0.082 ppm at wells H78B-16 and H78B-17R, respectively. These wells, which are downgradient of PGC's Steam Turbine Generator Building (located approximately 120 feet to the north of well H78B-16), are used to assess TCE that has been previously detected in this area. The spring 2008 TCE concentrations are less than the MCP Method 1 GW-3 standard for TCE (5 ppm) and, as shown in Appendix D, these results are consistent with prior data collected at these locations.

## 4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the spring 2008 groundwater analytical results with applicable MCP Method 1 GW-2 and MCP Method 1 and 2 GW-3 standards, those results have also been compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)). These comparisons are presented in Table 8, which indicates that none of the constituents detected was above its respective UCL in any of the groundwater samples analyzed during the spring 2008 sampling event.

### 4.3.4 Comparison to OPCA Baseline and Prior Groundwater Data

Groundwater samples were collected from ten OPCA monitoring wells during the spring 2008 interim sampling event. Analytical data from the samples collected were compared to the results of the 1999 OPCA baseline investigation and, where relevant, to the results of more recent semi-annual monitoring events. The analytical data from the initial OPCA groundwater monitoring events conducted in 1999 and 2001 are summarized in Table D-1 within Appendix D, along with data collected during the most recent year of sampling. Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for the OPCA wells over the duration of the groundwater monitoring program are also presented in Appendix D, along with graphs of historical concentrations of individual constituents where concentrations exceeded the applicable MCP Method 1 GW-2 or GW-3 standards or UCLs during at least one OPCA monitoring program sampling event. The results of these comparisons for each analytical constituent group (i.e., VOCs, SVOCs, PCBs, PCDDs/PCDFs, and inorganics) are discussed below.

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With limited exceptions, the spring 2008 groundwater sampling results from the OPCA monitoring wells were consistent with those from the baseline round and/or recent sampling events (other than the spring 2006 PCB data, which, as discussed in the Spring 2007 GMA 4 Groundwater Monitoring Interim Report, and approved by EPA on October 22, 2007, appears to have been anomalous). All constituents were below the applicable UCLs, Method 1 GW-2 standards, and/or Method 1 GW-3 standards.

## VOCs

Six VOCs were detected in the spring 2008 OPCA monitoring well samples. The most frequently detected VOCs (chlorobenzene and vinyl chloride) were detected in two wells (OPCA-MW-4 and OPCA-MW-5R). Chlorobenzene was detected at estimated concentrations ranging from 0.00012 ppm (well OPCA-MW-4) to 0.00048 ppm (well OPC

A-MW-5R), which are well below the GW-2 standard of 0.2 ppm. Vinyl chloride was detected at estimated concentrations of 0.00032 ppm (OPCA-MW-4) and 0.0012 ppm (OPCA-MW-5R), also below the GW-2 standard of 0.002 ppm. Other VOCs detected in OPCA wells include acetone, chloroform, dibromochloromethane, and trichloroethene. None of these constituents was detected at concentrations above the respective GW-3 standard. Vinyl chloride, which was detected in well OPCA-MW-5R in spring 2006 at a concentration (0.0071 ppm) above the GW-2 standard (0.002 ppm), was detected in spring 2008 at a concentration of 0.0012 ppm (which is below the GW-2 standard). This is the first time vinyl chloride has been detected since spring 2006 and, as shown in the graph in Appendix D, is only the second time that vinyl chloride has been observed at well OPCA-MW-5R in sixteen sampling events.

These VOC results have been compared with the historical results as illustrated in the graphs provided in Appendix D and are generally consistent with the 1999 baseline sampling analytical results. As discussed below, GE plans to continue the OPCA groundwater monitoring program and to continue to monitor concentrations of these and other constituents in the OPCA wells.

## SVOCs

Two SVOCs were detected in OPCA monitoring wells during the spring 2008 monitoring event. Bis(2-ethylhexyl)phthalate was detected in well 78-1 at an estimated concentration of 0.00094 ppm and at well OPCA-MW-8 at estimated concentration of 0.0011 ppm. The other SVOC, 1,2,4-trichlorobenzene, was detected at well OPCA-MW-4 at an estimated concentration of 0.0016 ppm. No other SVOCs were detected in the OPCA wells during this sampling round. Neither of these constituents was detected above its applicable MCP Method 1 GW-3 standard.

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## PCBs

The spring 2008 analytical results for the OPCA groundwater monitoring program indicate that PCBs were detected in two of the ten filtered samples analyzed (wells OPCA-MW-6 and OPCA-MW-8, at estimated concentrations of 0.00017 ppm and 0.00019 ppm, respectively). These concentrations are well below the newly-revised Method 1 GW-3 standard of 0.010 ppm for PCBs. No PCBs were detected in any of the other OPCA wells during the spring 2008 sampling event.

## **Other Appendix IX+3 Constituents**

Low levels of PCDDs were observed in OPCA groundwater monitoring program well OPCA-MW-8, and trace levels of PCDFs were detected in six wells (78-1, 78-6, OPCA-MW-4, OPCA-MW-5R, OPCA-MW-6, and OPCA-MW-8) during the spring 2008 sampling event. No PCDDs or PCDFs were detected in wells GMA4-6, H78B-15, OPCA-MW-3, and OPCA-MW-7. As previously discussed in Section 3.2.4, TEQ values are calculated for each sample using WHO TEFs, incorporating values equal to one-half of the detection limit for non-detected PCDDs and PCDFs. The concentrations of these TEQ values are similar to those previously observed during the OPCA groundwater monitoring program and are also below the applicable UCL and GW-3 standard.

For inorganic constituents, minor variations in detected concentrations have been observed in several monitoring wells. These fluctuations have been observed during the course of the OPCA groundwater monitoring program and are considered typical for inorganic constituents in groundwater. There were no exceedances of applicable MCP Method 1 or 2 (copper, cobalt) GW-3 standards observed in the OPCA wells during this sampling event for inorganic constituents.

## 4.3.5 Pittsfield Generating Company Supply Well

As noted above, one groundwater sample obtained from the PGC deep bedrock industrial cooling-supply well ASW-5 was analyzed on behalf of PGC for VOCs and PCBs in accordance with its approved monitoring program. No constituents other than TCE were detected in the most recent sample obtained from supply well ASW-5. A table and graphs summarizing the historical analytical results for this well are provided in Appendix E. As shown on those graphs, total VOC concentrations (consisting primarily of TCE) have remained fairly consistent, ranging between 0.009 ppm and 0.038 ppm since June 1996, with the spring 2008 total VOC result (0.0097 ppm) falling near the lowest portion of this historical range. None of the VOCs detected in this supply well have been observed at concentrations above the MCP Method 1 GW-3 standards. In addition, PCBs have not been detected in this well in any of the samples collected during this time frame.

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### 4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for all wells sampled in spring 2008 are presented in Appendix D. In addition, Appendix D contains graphs of historical concentrations of individual constituents at monitoring wells where concentrations exceeded the applicable current MCP Method 1 GW-2 or GW-3 standards or UCLs during one or more of the prior baseline, interim, or OPCA monitoring program sampling events.

Based on a review of the concentration vs. time graphs presented in Appendix D, VOCs have not been detected or have remained at low levels in the majority of the wells that have been monitored, with the exception of certain wells located within the groundwater depression extending from northwest to southeast beneath the Hill 78 OPCA and PGC facility, where varying concentrations of certain chlorinated VOCs have been observed.

All constituents detected in GMA 4 in spring 2008 were at levels below the applicable Method 1 GW-2 standards, Method 1 or 2 GW-3 standards, and/or UCLs for groundwater. As shown in Appendix D, the data collected in spring 2008 is consistent with prior data.

### 4.5 NAPL Monitoring Results

NAPL monitoring was conducted during all groundwater elevation monitoring activities conducted in spring 2008. NAPL was not observed in any of the GMA 4 monitoring wells monitored during this time period, including well OPCA-MW-3, which is located downgradient of the only known occurrence of NAPL at this GMA (i.e., at well H78B-8R, which was decommissioned as part of the OPCA construction). In addition to the semi-annual groundwater elevation/NAPL monitoring event, GE continued monthly groundwater elevation/NAPL monitoring event, GE continued monthly groundwater elevation/NAPL monitoring at well GMA4-3 to verify that LNAPL has not migrated from GMA 3 to the western side of Plastics Avenue. The results of this monitoring are provided in Appendix A (along with all other monitoring data collected in spring 2008). LNAPL has not been detected at well GMA4-3 since monthly monitoring was initiated in April 2005. GE plans to continue to monitor well GMA4-3 on a monthly basis for the presence of LNAPL and will include those results, along with any proposals to address the monitoring results, in the future groundwater quality reports for GMA 3 and GMA 4.

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## 5. Proposed Monitoring Program Modifications and Schedule of Future Activities

### 5.1 General

In spring 2008, GE conducted the ninth sampling event of the interim groundwater monitoring program. This program will be conducted until completion of any necessary soil-related Removal Actions at the RAAs that comprise GMA 4. The spring 2008 monitoring event also included the OPCA groundwater monitoring program, which will be continued during the interim period with sampling and analysis being conducted on a semi-annual basis until closure of the OPCAs, and monthly, quarterly, or semi-annual groundwater elevation monitoring at specific wells, as shown in Table 2.

This section contains GE's evaluation of the effect on the interim groundwater quality monitoring program of the recent revisions to the MCP Method 1 standards and UCLs for groundwater that became effective on February 14, 2008, and a description of GE's proposed modifications to the monitoring program. In light of the new standards, GE has re-evaluated the analytical results from the baseline and interim monitoring program to determine whether, and, if so, how, the new Performance Standards should alter the wells and/or parameters included in the interim monitoring program. GE has also reviewed the groundwater analytical data from the spring 2008 interim sampling event for results that, independent of the changes in standards, would indicate the need to modify the interim monitoring program. The results of that evaluation and resulting proposed program modifications are discussed in Section 5.2 below. This section also summarizes the schedule for upcoming interim monitoring events and associated reporting activities.

### 5.2 Evaluation and Proposed Modifications to Interim Monitoring Program

In the fall 2003 GMA 4 Groundwater Quality Report, GE presented an evaluation of the baseline monitoring results from GMA 4 and proposed to retain certain wells for selected analyses in the interim monitoring program to provide additional data to assist in the determination of whether long-term monitoring would be necessary. Generally speaking, any wells that contained constituent concentrations near the values of the future Performance Standards (i.e., average concentrations ranging from greater than 50% of an applicable MCP Method 1 Standard to slightly above the standard) would have been retained for interim monitoring, but none of the GMA 4 wells met that criterion. In addition, selected wells/analyses were added to the interim monitoring program regardless of constituent concentrations relative to standards based on their inclusion in the OPCA groundwater quality monitoring program or location in areas of interest (e.g., downgradient of the till trough known to contain elevated TCE concentrations), or if constituent concentrations exhibited an increasing trend during the course of baseline monitoring. Groundwater quality monitoring was proposed to be discontinued at locations where

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constituent concentrations were well below the applicable MCP Method 1 Standards, as it was apparent that such locations either would not or would be included in a long-term monitoring program.

Following revisions to the MCP that became effective on April 3, 2006, GE repeated that evaluation, comparing all baseline and interim groundwater quality data to the new ("Wave 2") MCP Method 1 Standards. Based on the same inclusion criteria utilized in fall 2003 at GMA 4 (and at the other GMAs once their two-year baseline monitoring periods expired), as noted in the EPA-approved Spring 2006 GMA 4 Groundwater Quality Report, GE concluded there no changes to the interim monitoring program were necessary at the time.

In light of the recent revisions to the MCP that became effective on February 14, 2008 and EPA's requirement that the Method 2 GW-3 standards for cobalt and copper developed for GMA 2 be implemented at all GMAs, GE has performed a similar evaluation to that conducted in 2006. Specifically, GE initially researched the GMA 4 database for any baseline analytical results where constituent concentrations of at least 50% of an applicable MCP Method 1 or Method 2 Standard were recorded. Any such locations/results were selected for further evaluation, consisting of a basic statistical evaluation of the constituents at each location, calculation of average concentrations, and a general review of concentrations over time to determine if an increasing trend may be present. Similar to the program re-evaluation performed in spring 2006, no wells requiring interim groundwater quality monitoring that are not already part of the interim or OPCA monitoring program were identified and no modifications to the interim monitoring program are proposed based on these evaluations.

However, as a new Method 1 GW-2 standard for PCBs has been promulgated in the 2008 MCP revision, GE evaluated the existing data from the GW-2 wells at GMA 4 to determine if additional sampling would be required to verify compliance with this new standard. As agreed with EPA, GE used filtered PCB results for this comparison. GE found that the existing PCB database for all dual-purpose GW-2/GW-3 monitoring wells was sufficient, but that the wells monitored solely for GW-2 compliance were not analyzed for PCBs during the baseline monitoring program, since no GW-2 standard for PCBs was in effect at the time the sampling was performed. As such, GE has proposed to conduct additional sampling for PCBs at two locations, wells GMA4-2 and GMA4-3. It should be noted that well GMA4-1 was also monitored as a GW-2 monitoring point during the initial baseline monitoring rounds. As approved by EPA, however, the GW-2 classification was determined to be inapplicable at this well based on an average depth to water of greater than 15 feet. Therefore, no PCB data collection is proposed at this well.

A summary of the proposed interim sampling program for GMA 4 is provided in Table 9, and the locations where sampling is proposed are illustrated on Figure 6.

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The wells proposed to be sampled and analyzed for PCBs for comparison to the new GW-2 standard are proposed to be sampled on a semi-annual basis until four sets of PCB data have been collected. At that time, GE will evaluate the data and propose whether to discontinue additional sampling or to add the well to the ongoing interim or long-term monitoring program at GMA 4. As agreed with EPA, GE will analyze filtered groundwater samples for comparison with this GW-2 standard.

The modification to the interim sampling program discussed above (i.e., semi-annual analysis for PCBs at selected GW-2 monitoring wells) is proposed to be initiated in fall 2008. Additional details on the sampling and reporting schedule at GMA 4 are provided below.

## 5.3 Field Activities Schedule

GE anticipates that the fall 2008 interim sampling event will take place in October 2008. Semi-annual sampling and analyses will be performed at the twelve OPCA groundwater monitoring program wells. Analyses of groundwater samples will be performed according to the requirements of the OPCA groundwater monitoring program, as listed in Table 9. GE will also initiate semi-annual sampling and PCB analysis of filtered samples from GW-2 monitoring wells GMA4-2 and GMA4-3 (proposed above), if approved by EPA.

Groundwater elevations from select wells will be monitored on a quarterly basis, with future monitoring rounds conducted during the months of April, July, October, and January. The October 2008 monitoring round will also include all baseline wells that have been retained for semi-annual groundwater elevation monitoring. Well GMA4-3 will continue to be monitored for NAPL on a monthly basis throughout fall 2008.

GE will continue to coordinate the scheduling of its quarterly and semi-annual groundwater elevation monitoring activities with EPA to facilitate the concurrent collection of supplemental data from the Allendale School property by EPA.

Prior to performance of these field activities, GE will provide EPA with 7 days advance notice to allow: (1) the assignment of field oversight personnel; (2) preparations to split samples with EPA's contractor; and (3) the collection by EPA of groundwater levels at the Allendale wells in conjunction with GE's groundwater elevation monitoring activities at GMA 4 (if desired).

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## 5.4 Reporting Schedule

GE will continue to provide the results of preliminary groundwater elevation and analytical data in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site.

GE will submit the Fall 2008 Interim Groundwater Quality Report for GMA 4 by February 28, 2009, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2008 interim sampling results, including a summary of data from other groundwater-related activities conducted at GMA 4 between July 2008 (excluding the July 2008 well replacement activities already presented in Section 2.4 above) and December 2008 (including any EPA-generated groundwater elevation monitoring data at the Allendale School property), a discussion of those results, and any proposals to further modify the interim monitoring program.

Tables

#### Table 1 Groundwater Quality Monitoring Program Summary

#### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Comments
78-1	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008.
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
H78B-16	Supplemental Well for TCE Evaluation	Annual	VOC	Sampled in Spring 2008
H78B-17R	GW-3 Perimeter (Downgradient)	Annual	VOC	Sampled in Spring 2008
OPCA-MW-1R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Decommissioned in fall 2007, not sampled in spring 2008. Replacement well OCPA-MW-1RR installed July 8, 2008
OPCA-MW-2	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Decommissioned in fall 2007, not sampled in spring 2008. Replacement well OCPA-MW-2R installed July 9, 2008
OPCA-MW-3	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
OPCA-MW-4	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX <sup>(1,2)</sup>	Sampled in Spring 2008

Notes:

1. Appendix IX+3 analyses consists of those non-PCB constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three constituents -benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine.

2. Per the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.

# Table 2 Groundwater Elevation Monitoring Program Summary

#### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Well Number	Monitoring Schedule	Comments						
60B-R	Semi-Annual							
78-1	Quarterly							
78-2	Quarterly							
78-3	Semi-Annual							
78-4	Semi-Annual							
78-5R	Semi-Annual							
78-6	Quarterly							
GMA4-1	Semi-Annual							
GMA4-2	Semi-Annual							
GMA4-3	Monthly							
GMA4-4	Quarterly							
GMA4-6	Quarterly							
H78B-13R	Semi-Annual							
H78B-16	Semi-Annual							
H78B-17	Semi-Annual							
H78B-17R	Semi-Annual							
NY-3	Quarterly							
NY-4	Quarterly							
OPCA-MW-1R	Quarterly	Decommissioned in fall 2007. Replacement well OCPA-MW-1RR installed July 8, 2008.						
OPCA-MW-2	Quarterly	Decommissioned in fall 2007. Replacement well OCPA-MW-2R installed July 9, 2008.						
OPCA-MW-3	Quarterly							
OPCA-MW-4	Quarterly							
OPCA-MW-5R	Quarterly							
OPCA-MW-6	Quarterly							
OPCA-MW-7	Quarterly							
OPCA-MW-8	Quarterly							
RF-14	Semi-Annual							
RF-15	Semi-Annual							
SCH-4	Quarterly							
UB-MW-5	Semi-Annual							
UB-MW-6	Semi-Annual							
East Street Area 2 -	North (Groundwater Man	agement Area 1) Adjacent to GMA 4						
ES1-20	ES1-20 Semi-Annual							
Allendale School Pr	Allendale School Property Monitoring Wells/Piezometers Adjacent to GMA 4 (see note 2)							
PZ-1	Quarterly							
PZ-2	Quarterly							
PZ-3	Quarterly							
PZ-4	Quarterly							
SCH-1	Quarterly							

Note:

2. The Allendale School Property Monitoring Wells/Piezometers are monitored by EPA.

<sup>1.</sup> The listed monitoring wells are monitored for groundwater elevation and NAPL presence at the frequencies shown.

## Table 3 Monitoring Well Construction Summary

### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Monitoring	Survey Co	oordinates	Well	Ground Surface	Measuring Point	Depth to Top	Screen	Top of Screen	Base of Screen
Well Number	Northing	Easting	Diameter (in)	Elevation (ft AMSL)	Elevation (ft AMSL)	of Screen (ft BGS)	Length (ft)	Elevation (ft AMSL)	Elevation (ft AMSL)
78-1	536143.95	136345.00	4.00	1,027.40	1,026.32	8.0	15.0	1,019.40	1,004.40
78-6	535917.90	135919.00	4.00	1,012.33	1,012.00	3.0	15.0	1,009.33	994.33
GMA4-6	535774.20	135658.40	2.00	1,009.62	1,009.12	3.0	10.0	1,006.62	996.62
H78B-15	535408.90	136705.20	0.75	1,009.80	1,012.68	6.0	10.0	1,003.80	993.80
H78B-16	535040.80	136495.50	0.75	996.00	999.33	4.0	10.0	992.00	982.00
H78B-17R	534996.00	136659.20	4.00	999.20	1,000.31	14.3	9.2	984.90	975.70
OPCA-MW-1RR	535367.60	135561.10	2.00	1,016.80	1,016.46	18.0	10.0	998.80	988.80
OPCA-MW-2R	353176.60	135892.10	2.00	1,016.80	1,018.84	10.0	15.0	1,006.80	991.80
OPCA-MW-3	535299.60	136188.90	2.00	1,015.30	1,014.83	18.0	10.0	997.30	987.30
OPCA-MW-4	535570.22	136222.55	2.00	1,019.20	1,018.67	12.0	10.0	1,007.20	997.20
OPCA-MW-5R	535630.68	136477.98	2.00	1,016.64	1,016.34	11.25	10.0	1,005.39	995.39
OPCA-MW-7	535673.73	136835.86	2.00	1,026.90	1,026.57	14.0	10.0	1,012.90	1,002.90
OPCA-MW-8	535989.21	136679.68	2.00	1,027.90	1,027.40	13.5	10.0	1,014.40	1,004.40
SCH-4	535377.40	135573.90	2.00	1,012.27	1,014.05	7.9	10.0	1,004.37	994.37

# Table 3 Monitoring Well Construction Summary

### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Monitoring Well	Survey Co Northing	oordinates Easting	Well Diameter	Ground Surface Elevation	Measuring Point Elevation	Depth to Top of Screen	Screen Length	Top of Screen Elevation	Base of Screen Elevation
Number			(in)	(ft AMSL)	(ft AMSL)	(ft BGS)	(ft)	(ft AMSL)	(ft AMSL)
East Street Area 2 - North (Groundwater Management Area 1) adjacent to GMA 4									
ES1-20	535314.82	134924.90	0.75	997.82	1,001.56	6.0	10.0	991.82	981.82
Allendale School P	Property Monito	ring Wells/Piezo	ometers adjacen	t to GMA 4					
PZ-1	535900.23	135753.22	NA	NA	1005.60	NA	NA	NA	NA
PZ-2	536112.14	135563.58	NA	NA	1009.89	NA	NA	NA	NA
PZ-3	536396.28	135728.63	NA	NA	1010.43	NA	NA	NA	NA
PZ-4	536116.06	136119.15	NA	NA	1007.96	NA	NA	NA	NA
SCH-1	536574.57	135606.24	NA	NA	1017.11	NA	NA	NA	NA

NOTES:

- 1. ft AMSL Feet above mean sea level
- 2. ft BGS Feet below ground surface
- 3. NA Information not available.
- 4. ES1-20 is located in Groundwater Management Area 1, but also utilized as part of the GMA 4 groundwater elevation monitoring program.
- 5. OCPA-MW-1RR and OCPA-MW-2 installed in July 2008 as replacements wells for OPCA-MW-1R and OPCA-MW-2.

# Table 4 Groundwater Elevation Data - Winter/Spring 2008

### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation <sup>(1)</sup>
Winter 2007/2008 Monitorin	g Event	
78-1	1/15/2008	1,018.03
78-2	1/15/2008	1,023.48
78-6	1/15/2008	1,006.07
GMA4-3	1/15/2008	986.43
GMA4-4	1/15/2008	988.36
GMA4-6	1/15/2008	1,001.14
NY-3	1/15/2008	990.26
NY-4	1/15/2008	1,016.43
OPCA-MW-3	1/15/2008	994.21
OPCA-MW-4	1/15/2008	1,007.23
OPCA-MW-5R	1/15/2008	1,004.76
OPCA-MW-6	1/15/2008	1,006.34
OPCA-MW-7	1/15/2008	1,005.91
OPCA-MW-8	1/15/2008	1,017.66
SCH-4	1/15/2008	1,007.41
East Street Area 2 - North adja	cent to GMA 4	
ES1-20	1/17/2008	988.45
Allendale School Property Mor	nitoring Wells/Piezometers	
PZ-1	1/15/2008	1,003.34
PZ-2	1/15/2008	1,006.95
PZ-3	1/15/2008	1,010.00
PZ-4	1/15/2008	1,007.58
SCH-1	1/15/2008	1,010.96
Spring 2008 Monitoring Eve	ent	
060B-R	4/17/2008	989.69
78-1	4/17/2008	1018.85
78-2	4/17/2008	1028.76
78-3	4/17/2008	992.45
78-4	4/17/2008	987.12
78-5R	4/17/2008	992.56
78-6	4/21/2008	1005.4
GMA4-1	4/17/2008	990.14
GMA4-2	4/17/2008	994.44
GMA4-3	4/17/2008	988.04
GMA4-4	4/17/2008	990.96
GMA4-6	4/17/2008	1000.64
H78B-13R	4/17/2008	984.28
H78B-15	4/17/2008	999.38
H78B-16	4/17/2008	987.89
H78B-17	4/17/2008	986.37
H78B-17R	4/17/2008	987.57

# Table 4 Groundwater Elevation Data - Winter/Spring 2008

#### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation (1)
NY-3	4/17/2008	991.56
NY-4	4/17/2008	1015.63
OPCA-MW-3	4/17/2008	995.55
OPCA-MW-4	4/17/2008	1007.49
OPCA-MW-5R	4/17/2008	1006.19
OPCA-MW-6	4/17/2008	1007.22
OPCA-MW-7	4/17/2008	1011.75
OPCA-MW-8	4/17/2008	1020.42
RF-14	4/17/2008	994.85
RF-15	4/17/2008	1000.74
SCH-4	4/17/2008	1006.52
UB-MW-5	4/17/2008	994.38
UB-MW-6	4/17/2008	1002.44
East Street Area 2 - North adja	cent to GMA 4	
ES1-20	4/17/2008	991.13
Allendale School Property Mor	nitoring Wells/Piezometers	
PZ-1	4/17/2008	1,002.31
PZ-2	4/17/2008	1,006.29
PZ-3	4/17/2008	1,010.13
PZ-4	4/17/2008	1,007.95
SCH-1	4/17/2008	1,011.65

Notes:

- 1. The elevation shown is in feet above mean sea level.
- 2. The data shown above was utilized in the preparation of the Winter 2007/2008 and Spring 2008 groundwater elevation contour maps for GMA 4. Other groundwater elevation data collected from January to June 2008 is provided in Appendix E.

# Table 5Field Parameter Measurements -Spring 2008

### Groundwater Quality Monitoring Interim Report For Spring 2008 Groundwater Mamangement Area 4 General Electric Company- Pittsfield, Massachusetts

Well Number	Temperature (deg. C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation- Reduction Potential (mV)
78-1	8.14	6.03	0.806	5	0.62	276.8
78-6	8.39	6.96	1.893	13	0.68	-38.6
GMA4-6	8.99	6.68	0.962	1	0.37	151.4
H78B-15	8.11	7.57	0.547	0	6.74	106.1
H78B-16	11.42	6.69	1.162	1	2.49	161.3
H78B-17R	11.77	7.21	1.364	1	0.87	129.6
OPCA-MW-3	10.64	6.72	0.727	14	0.68	62.3
OPCA-MW-4	8.39	6.33	1.184	7	0.61	249.6
OPCA-MW-5R	8.64	6.54	1.70	4	0.49	243.0
OPCA-MW-6	13.45	7.04	0.724	7	3.90	235.0
OPCA-MW-7	12.53	6.39	3.05	3	2.47	215.9
OPCA-MW-8	9.47	7.22	0.434	20	4.33	209.0

Notes:

1. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.

- 2. NTU Nephelometric Turbidity Units
- 3. Monitoring wells OPCA-MW-1R and OPCA-MW-2 were decommissioned during late Fall 2007 prior to the sewer line rerouting. Replacement wells were installed in July 2008, but were not included in the sampling round.
- 4. SU Standard Units
- 5. mS/cm Millisiemens per centimeter
- 6. mV Millivolts
- 7. mg/L Milligrams per liter (ppm)

### Table 6 Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

Sample ID		H78B-15	OPCA-MW-4	OPCA-MW-5R
Parameter Date Collected	: Standards	04/23/08	04/22/08	04/24/08
Volatile Organics				
1,1,1-Trichloroethane	4	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroethane	1	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,2-Dichloroethane	0.005	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	0.2	ND(0.0010)	0.00012 J	0.00048 J
Chloroform	0.05	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	0.05	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	0.09	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	0.03	ND(0.0010)	0.0014 J	ND(0.0010) J
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	0.002	ND(0.0010)	0.00032 J	0.0012 J
Total VOCs	5	ND(0.10)	0.0018 J	0.0017 J
PCBs-Filtered			•	
None Detected				
Semivolatile Organics				
1,2,4-Trichlorobenzene	2	ND(0.0052)	0.0016 J	ND(0.0051)

Notes:

- Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
   Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP),
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and resubmitted March 30, 2007).
- Only volatile, PCBs and semivolatile analysis is presented for the MCP Method 1 GW-2 Standards
   Comparison.
- 5. NA Not Analyzed.
- 6. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 7. Only those constituents detected in one or more samples are summarized.
- 8. -- Indicates that all constituents for the parameter group were not detected.
- Total VOCs are being compared to the notification level in the SOW of 5 ppm, as there is no GW-2 standards for Total VOCs.

#### Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

# Table 7 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

_	Sample ID:	Method 1 GW-3	78-1	78-6
Parameter	Date Collected:	Standards	04/22/08	04/21/08
Volatile Organ				
1,1,1-Trichloroe		20	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,1-Dichloroeth		20	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,2-Dichloroeth	ane	20	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Acetone		50	ND(0.0050) J ND(0.0010)	ND(0.0050) J [ND(0.0050) J] ND(0.0010) [ND(0.0010)]
Chlorobenzene Chloroform		<u>1</u> 20	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromochloror	nethane	50	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethe		30	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichlo		50	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichloroethene		5	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Trichlorofluoron		Not Listed	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Vinyl Chloride	louriario	50	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
PCBs-Filtered				
Aroclor-1254		Not Listed	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Total PCBs		0.01	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Semivolatile O	rganics	0.01		
1,2,4-Trichlorob		50	ND(0.0052)	ND(0.0051) [ND(0.0052)]
bis(2-Ethylhexy		50	0.00094 J	ND(0.0051) [ND(0.0052)]
Furans	/			
2.3.7.8-TCDF		Not Listed	0.000000045 J	0.000000019 J [0.000000032 J]
TCDFs (total)		Not Listed	0.00000027	0.00000028 [0.00000050]
1,2,3,7,8-PeCD	F	Not Listed	0.000000056 J	ND(0.000000051) [ND(0.000000051)]
2,3,4,7,8-PeCD	F	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
PeCDFs (total)		Not Listed	0.000000056 J	0.000000052 J [0.000000059 J]
1,2,3,4,7,8-HxC	DF	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,6,7,8-HxC	DF	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,7,8,9-HxC		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
2,3,4,6,7,8-HxC	DF	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
HxCDFs (total)		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,6,7,8-H		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,7,8,9-H	DCDF	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
HpCDFs (total)		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
OCDF		Not Listed	ND(0.00000010)	ND(0.00000010) [ND(0.00000010)]
Dioxins		NI 211 2 1		
2,3,7,8-TCDD		Not Listed	ND(0.000000012)	ND(0.000000014) [ND(0.000000010)]
TCDDs (total)	D	Not Listed	ND(0.000000012) ND(0.0000000051)	ND(0.000000014) [ND(0.0000000010)]
1,2,3,7,8-PeCD PeCDDs (total)	טי	Not Listed	ND(0.000000051) ND(0.000000051)	ND(0.000000051) [ND(0.000000051)] ND(0.000000051) [ND(0.000000051)]
1,2,3,4,7,8-HxC	חחי	Not Listed Not Listed	ND(0.000000051)	ND(0.0000000051) [ND(0.0000000051)] ND(0.0000000051) [ND(0.0000000051)]
1,2,3,6,7,8-HxC		Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-HxC		Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HxCDDs (total)	.00	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,6,7,8-H	CDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HpCDDs (total)		Not Listed	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]
OCDD		Not Listed	ND(0.00000010)	ND(0.00000010) [ND(0.00000010)]
Total TEQs (WI		0.0000001	0.000000070	0.000000067 [0.000000067]
Inorganics-Un				
Sulfide		Not Applicable	1.10 J	ND(1.00) J [ND(1.00) J]
Inorganics-Filt	ered			
Barium		50	0.0174 B	0.0340 B [0.0353 B]
Beryllium		0.2	ND(0.0100) J	ND(0.0100) J
Chromium		0.3	0.00118 B	0.00209 B [ND(0.0100)]
Thallium		3	ND(0.0100) J	0.00625 J
Zinc		0.9	ND(0.0200)	ND(0.0200) [ND(0.0200)]

#### Table 7 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	GMA4-6 04/21/08	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08
Volatile Organ	ics					
1,1,1-Trichloroe	ethane	20	ND(0.0010) J	ND(0.0010)	0.00077 J	ND(0.020)
1,1-Dichloroeth	ane	20	ND(0.0010) J	ND(0.0010)	0.00018 J	ND(0.020)
1,2-Dichloroeth	ane	20	ND(0.0010)	ND(0.0010)	0.00025 J	ND(0.020)
Acetone		50	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.10) J
Chlorobenzene		1	ND(0.0010)	ND(0.0010)	0.00089 J	ND(0.020)
Chloroform		20	0.0030	ND(0.0010)	0.00014 J	0.033
Dibromochloror	methane	50	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)
Tetrachloroethe		30	ND(0.0010)	ND(0.0010)	0.00039 J	ND(0.020)
trans-1,2-Dichlo	proethene	50	ND(0.0010)	ND(0.0010)	0.00019 J	ND(0.020)
Trichloroethene	)	5	ND(0.0010) J	ND(0.0010)	0.038 J	0.082
Trichlorofluoror	nethane	Not Listed	ND(0.0010) J	ND(0.0010)	0.00062 J	ND(0.020)
Vinyl Chloride		50	ND(0.0010) J	ND(0.0010)	0.00075 J	ND(0.020)
PCBs-Filtered			· · · ·	· · · · ·		• •
Aroclor-1254		Not Listed	ND(0.000068)	ND(0.000067) J	NA	NA
Total PCBs		0.01	ND(0.000068)	ND(0.000067) J	NA	NA
Semivolatile O	rganics	-				
1,2,4-Trichlorob		50	ND(0.0052)	ND(0.0052)	NA	NA
bis(2-Ethylhexy		50	ND(0.0052)	ND(0.0052)	NA	NA
Furans	/1		= (	= (		
2,3,7,8-TCDF		Not Listed	ND(0.00000010)	ND(0.000000033)	NA	NA
TCDFs (total)		Not Listed	ND(0.00000010)	ND(0.000000033)	NA	NA
1,2,3,7,8-PeCD	F	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,7,8-PeCD		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
PeCDFs (total)	1	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8-HxC		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,6,7,8-HxC		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,7,8,9-HxC		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,6,7,8-HxC		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
HxCDFs (total)		Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,6,7,8-H	CDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8,9-H		Not Listed	ND(0.0000000052)	ND(0.000000003)	NA	NA
HpCDFs (total)		Not Listed	ND(0.0000000052)	ND(0.0000000056)	NA	NA
OCDF		Not Listed	ND(0.000000011)	ND(0.000000031)	NA	NA
Dioxins		NOT LISTED	NB(0.000000011)	110(0.000000001)	INA.	IN/A
2,3,7,8-TCDD	1	Not Listed	ND(0.00000010)	ND(0.000000043)	NA	NA
TCDDs (total)		Not Listed	ND(0.00000010)	ND(0.000000043)	NA	NA
1,2,3,7,8-PeCD	D	Not Listed	ND(0.00000000000000000000000000000000000	ND(0.00000000000000000000000000000000000	NA	NA
PeCDDs (total)		Not Listed	ND(0.000000052)	ND(0.000000052)	NA	NA
1,2,3,4,7,8-HxC	חחי	Not Listed	ND(0.000000052)	ND(0.000000052)	NA	NA NA
1,2,3,6,7,8-HxC		Not Listed	ND(0.000000052)	ND(0.0000000053)	NA	NA
1,2,3,6,7,8-HXC		Not Listed	ND(0.000000052)	ND(0.000000054)	NA	NA NA
HxCDDs (total)	עטי	Not Listed	ND(0.000000052)	ND(0.0000000055)	NA	NA NA
1,2,3,4,6,7,8-H		Not Listed	ND(0.000000052) ND(0.000000077)	ND(0.0000000054)	NA	NA NA
HpCDDs (total)		Not Listed	ND(0.0000000077)	ND(0.0000000074)	NA	NA NA
0000						
OCDD Total TEQs (WI		0.0000001	0.000000012)	ND(0.000000037) 0.000000083	NA NA	NA NA
Inorganics-Un	,	0.0000001	0.00000011	0.0000000000000000000000000000000000000	INA	INA.
0	Interea	Not Applicable	1.00 1		NIA	NI A
Sulfide	d	Not Applicable	1.00 J	ND(1.00)	NA	NA
Inorganics-Filt	erea					
Barium		50	ND(0.100)	ND(0.100)	NA	NA
Beryllium		0.2	ND(0.0100) J	0.000940 J	NA	NA
Chromium		0.3	ND(0.0100)	0.00134 B	NA	NA
Thallium		3	ND(0.0100) J	ND(0.0100) J	NA	NA
Zinc		0.9	0.00957 B	ND(0.0200)	NA	NA

# Table 7 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

	Sample ID:	Method 1 GW-3	OPCA-MW-3	OPCA-MW-4	OPCA-MW-5R
Parameter	Date Collected:	Standards	04/23/08	04/22/08	04/24/08
Volatile Organ					
1,1,1-Trichloroe	ethane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroeth	ane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,2-Dichloroeth	ane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone		50	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene		1	ND(0.0010)	0.00012 J	0.00048 J
Chloroform		20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloror		50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethe		30 50	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichlo Trichloroethene		5	ND(0.0010) ND(0.0010)	ND(0.0010) 0.0014 J	ND(0.0010) ND(0.0010) J
Trichlorofluoron		Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	nethane	50	ND(0.0010)	0.00032 J	0.0012 J
PCBs-Filtered		50	ND(0.0010)	0.00032 J	0.0012 J
Aroclor-1254		Not Listed	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Total PCBs		0.01	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Semivolatile O	rganics	0.01	ND(0.00000) J	110(0.000000)	ND(0.00000) J
1,2,4-Trichlorob		50	ND(0.0053)	0.0016 J	ND(0.0051)
bis(2-Ethylhexy		50	ND(0.0053) ND(0.0053)	ND(0.0052)	ND(0.0051) ND(0.0051)
Furans	Iprilialate	50	110(0.0000)	110(0.0032)	110(0.0031)
2,3,7,8-TCDF		Not Listed	ND(0.000000049)	0.000000094 J	0.000000042 J
TCDFs (total)		Not Listed	ND(0.000000049)	0.000000094 J	0.000000042 3
1,2,3,7,8-PeCD	F	Not Listed	ND(0.0000000049)	0.00000022 0.000000074 J	ND(0.000000052)
2,3,4,7,8-PeCD		Not Listed	ND(0.0000000052)	ND(0.0000000066)	ND(0.0000000052)
PeCDFs (total)	1	Not Listed	ND(0.0000000052)	0.000000042 J	ND(0.0000000052)
1,2,3,4,7,8-HxC	DF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,6,7,8-HxC		Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,7,8,9-HxC		Not Listed	ND(0.000000052)	ND(0.000000053)	ND(0.000000052)
2,3,4,6,7,8-HxC		Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
HxCDFs (total)		Not Listed	ND(0.000000052)	0.000000011 J	ND(0.000000052)
1,2,3,4,6,7,8-H	DCDF	Not Listed	ND(0.000000053)	ND(0.000000051)	ND(0.000000052)
1,2,3,4,7,8,9-H		Not Listed	ND(0.000000067)	ND(0.000000063)	ND(0.000000052)
HpCDFs (total)		Not Listed	ND(0.000000059)	ND(0.000000055)	ND(0.000000052)
OCDF		Not Listed	ND(0.00000012)	ND(0.00000013)	ND(0.00000010)
Dioxins					
2,3,7,8-TCDD		Not Listed	ND(0.000000054)	ND(0.000000041)	ND(0.000000010)
TCDDs (total)		Not Listed	ND(0.000000054)	ND(0.000000041)	ND(0.000000010)
1,2,3,7,8-PeCD	D	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
PeCDDs (total)		Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
1,2,3,4,7,8-HxC		Not Listed	ND(0.000000052)	ND(0.000000054)	ND(0.000000052)
1,2,3,6,7,8-HxC		Not Listed	ND(0.000000052)	ND(0.000000055)	ND(0.000000052)
1,2,3,7,8,9-HxC	טט;	Not Listed	ND(0.000000052)	ND(0.000000056)	ND(0.000000052)
HxCDDs (total)	000	Not Listed	ND(0.000000052)	ND(0.000000055)	ND(0.000000052)
1,2,3,4,6,7,8-Hp	UCUU	Not Listed	ND(0.000000077)	ND(0.000000085)	ND(0.000000052)
HpCDDs (total)		Not Listed	ND(0.000000077)	ND(0.000000085)	ND(0.000000052)
OCDD Total TEQs (WI		0.0000001	ND(0.000000012) 0.0000000089	ND(0.000000016) 0.0000000095	ND(0.000000010) 0.000000068
Inorganics-Un	,	0.000001	0.000000000	0.0000000000000000000000000000000000000	0.00000000000000
Sulfide	Inteleu	Not Applicable	ND(1.00)	1.00 J	ND(1.00) J
Inorganics-Filt	arad	NOL Applicable	ND(1.00)	1.00 J	ND(1.00) J
-	.cicu	FO	0.0277 P	0.0007E P	0.0600 P
Barium Beryllium		<u> </u>	0.0277 B 0.00548 J	0.00975 B ND(0.0100) J	0.0609 B 0.00251 J
,		0.2	0.00548 J 0.00224 B	0.00150 B	0.00251 J 0.00134 B
Chromium Thallium		<u> </u>	0.00224 B 0.00638 J	0.00150 B 0.00936 J	ND(0.0100) J
Zinc		0.9	ND(0.0200)	0.00936 J 0.0112 B	0.00643 B
2010		0.9	140(0.0200)	0.0112 D	0.00043 D

# Table 7 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Volatile Organic	s				
1,1,1-Trichloroet	hane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,1-Dichloroetha	ne	20	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,2-Dichloroetha	ne	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone		50	0.0015 J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene		1	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform		20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochlorom	ethane	50	ND(0.0010)	0.00014 J	ND(0.0010)
Tetrachloroether	ne	30	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichlor	oethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene		5	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Trichlorofluorom	ethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Vinyl Chloride		50	ND(0.0010)	ND(0.0010) J	ND(0.0010)
PCBs-Filtered			· · · ·	· · · · ·	<u> </u>
Aroclor-1254		Not Listed	0.00017 J	ND(0.000068)	0.00019 J
Total PCBs		0.01	0.00017 J	ND(0.000068)	0.00019 J
Semivolatile Or	ganics			· · · · · · · /	
1,2,4-Trichlorobe		50	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Ethylhexyl)		50	ND(0.0051)	ND(0.0052)	0.0011 J
Furans				()	
2,3,7,8-TCDF		Not Listed	0.000000044 J	ND(0.000000012)	ND(0.000000050)
TCDFs (total)		Not Listed	0.0000000073 J	ND(0.0000000012)	0.000000017
1,2,3,7,8-PeCDF	-	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
2,3,4,7,8-PeCDF		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
PeCDFs (total)		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCI		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
1,2,3,6,7,8-HxCI		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
1,2,3,7,8,9-HxCI		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
2,3,4,6,7,8-HxCI		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
HxCDFs (total)		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-Hp	CDE	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.000000052)
1,2,3,4,7,8,9-Hp		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.00000000000000000000000000000000000
HpCDFs (total)		Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.00000000000000000000000000000000000
OCDFS (total)		Not Listed	ND(0.000000010)	ND(0.00000000000000000000000000000000000	ND(0.00000000000000000000000000000000000
Dioxins		INUL LISIEU	ND(0.000000010)	ND(0.00000010)	ND(0.00000011)
		No.4 Liste d			
2,3,7,8-TCDD		Not Listed	ND(0.000000022)	ND(0.000000014)	ND(0.000000044)
TCDDs (total)	、	Not Listed	ND(0.000000022)	ND(0.000000014)	ND(0.000000044)
1,2,3,7,8-PeCDE	)	Not Listed	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
PeCDDs (total)		Not Listed	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
1,2,3,4,7,8-HxC		Not Listed	ND(0.000000051)	ND(0.000000052) ND(0.000000052)	ND(0.000000052)
1,2,3,6,7,8-HxC		Not Listed	ND(0.000000051)	(	ND(0.000000052)
1,2,3,7,8,9-HxCI	טנ	Not Listed	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
HxCDDs (total)		Not Listed	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
1,2,3,4,6,7,8-Hp	עעט	Not Listed	ND(0.000000060)	ND(0.000000052)	ND(0.000000085)
HpCDDs (total)		Not Listed	ND(0.000000060)	ND(0.000000052)	ND(0.000000085)
		Not Listed	ND(0.00000010)	ND(0.00000010)	0.000000017 J
Total TEQs (WH		0.0000001	0.000000073	0.000000067	0.000000084
Inorganics-Unfi	itered			4.00 1	
Sulfide		Not Applicable	ND(1.00)	1.00 J	ND(1.00)
Inorganics-Filte	red				-
Barium		50	0.00804 B	0.0276 B	0.00521 B
Beryllium		0.2	ND(0.0100) J	ND(0.0100) J	0.00141 J
Chromium		0.3	0.00179 B	0.00134 B	0.00210 B
Thallium		<u>3</u> 0.9	0.00656 J ND(0.0200)	0.0148 J 0.0178 B	0.00674 J 0.298

#### Table 7 Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

#### Notes:

- 1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3
- constituents. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007). 2.
- 3. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
- 5 With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
- 6. Field duplicate sample results are presented in brackets.

#### Data Qualifiers:

- Organics (volatiles, PCBs, semivolatiles, dioxin/furans)
- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

#### Inorganics

- B Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J Indicates that the associated numerical value is an estimated concentration.

	Sample ID:	MCP UCL	78-1	78-6
Parameter	Date Collected:	for GroundWater	04/22/08	04/21/08
Volatile Orga				
1,1,1-Trichlor		100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,1-Dichloroe		100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,2-Dichloroe	thane	100	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Acetone		100	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
Chlorobenzer	ne	10	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform Dibromochlor	amathana	<u> </u>	ND(0.0010) ND(0.0010)	ND(0.0010) [ND(0.0010)] ND(0.0010) [ND(0.0010)]
Tetrachloroet		100	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dicl		100	ND(0.0010)	ND(0.0010) [ND(0.0010)] ND(0.0010) [ND(0.0010)]
Trichloroethe		50	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Trichlorofluor		Not Listed	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Vinyl Chloride		100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
PCBs-Filtere		100	112(0.0010)0	
Aroclor-1254	u -	Not Listed	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Total PCBs		0.1	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Semivolatile	Organics	0.1	ND(0.00000)	
1,2,4-Trichlor		100	ND(0.0052)	ND(0.0051) [ND(0.0052)]
bis(2-Ethylhe		100	0.00094 J	ND(0.0051) [ND(0.0052)] ND(0.0051) [ND(0.0052)]
Furans	Ayi/pritrialate	100	0.00034 0	
2,3,7,8-TCDF	-	Not Listed	0.000000045 J	0.000000019 J [0.000000032 J]
TCDFs (total)		Not Listed	0.0000000433	0.0000000193[0.0000000323]
1,2,3,7,8-PeC		Not Listed	0.000000027 0.0000000056 J	ND(0.000000051) [ND(0.000000051)]
2,3,4,7,8-PeC		Not Listed	ND(0.000000051)	ND(0.0000000051) [ND(0.0000000051)]
PeCDFs (tota		Not Listed	0.000000056 J	0.0000000052 J [0.0000000059 J]
1,2,3,4,7,8-H	/	Not Listed	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]
1.2.3.6.7.8-H		Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-H	-	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
2,3,4,6,7,8-H		Not Listed	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]
HxCDFs (tota		Not Listed	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,6,7,8-		Not Listed	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,7,8,9-		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
HpCDFs (tota		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
OCDF		Not Listed	ND(0.00000010)	ND(0.00000010) [ND(0.00000010)]
Dioxins				
2,3,7,8-TCDD	)	Not Listed	ND(0.000000012)	ND(0.000000014) [ND(0.000000010)]
TCDDs (total		Not Listed	ND(0.000000012)	ND(0.000000014) [ND(0.000000010)]
1,2,3,7,8-PeC	DD	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
PeCDDs (tota		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,7,8-H	xCDD	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,6,7,8-H		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,7,8,9-H		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
HxCDDs (tota		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
1,2,3,4,6,7,8-		Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
HpCDDs (tota	al)	Not Listed	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]
OCDD		Not Listed	ND(0.00000010)	ND(0.00000010) [ND(0.00000010)]
Total TEQs (\		0.000001	0.000000070	0.000000067 [0.00000067]
Inorganics-U	Infiltered			
Sulfide		Not Listed	1.10 J	ND(1.00) J [ND(1.00) J]
Inorganics-F	iltered			
Barium		100	0.0174 B	0.0340 B [0.0353 B]
Beryllium		2	ND(0.0100) J	ND(0.0100) J
Chromium		3	0.00118 É	0.00209 B [ND(0.0100)]
Thallium		30	ND(0.0100) J	0.00625 J
Zinc		50	ND(0.0200)	ND(0.0200) [ND(0.0200)]

Chordbergene         10         ND(0.0010)         ND(0.0010)         0.00089 J         ND(0.0010)           Divordorm         100         ND(0.0010)         ND(0.0010)         0.00014 J         0.033           Divordorm         100         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         0.0003 J         ND(0.020)           raresh2-zbichloroethene         50         ND(0.0010) J         ND(0.0010)         0.0082 J         ND(0.020)           richlorothene         50         ND(0.0010) J         ND(0.0010)         0.00075 J         ND(0.020)           Vigit Childred         100         ND(0.00008)         ND(0.00007 J         NA         NA           Vigit Childred         100         ND(0.00085)         ND(0.000067 J         NA         NA           Size Ebiyithexijiphthalate         100         ND(0.000085)         ND(0.0000033)         NA         NA           Size Zarithicking Pithalate         100         ND(0.00000010)         ND(0.00000033)         NA         NA           Size Zarithicking Pithalate         100         ND(0.000000032)         NA         NA         NA           Size Zarithicking Pithalate         100         ND(0.000000032)	Parameter	Sample ID: Date Collected:	MCP UCL for GroundWater	GMA4-6 04/21/08	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08
1,1-Dichargethane         100         ND(0.0010)         ND(0.0010)         0.00018 J         ND(0.020)           Science         100         ND(0.0010)         ND(0.0050) J         ND(0.0050) J         ND(0.0050) J         ND(0.0050) J         ND(0.0000)         ND(0.0000)         ND(0.0000) ND(0.0010)         ND(0.0000) ND(0.0010)         ND(0.00010)         <	Volatile Orga	inics					
1,1-Dichtoroethane         100         ND(0.0010)         ND(0.0010)         0.00018 J         ND(0.020)           Schotone         100         ND(0.0010)         ND(0.025 J         ND(0.025 J         ND(0.025 J         ND(0.020)           Notrobenzene         100         ND(0.0010)         ND(0.0010)         0.0008 J         ND(0.020)           Diformochiormethane         100         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.020)           Diformochiormethane         100         ND(0.0010)         ND(0.0010)         ND(0.020)         ND(0.020)           Fichlorothene         100         ND(0.0010)         ND(0.0010)         0.00033 J         ND(0.020)           Fichlorothoromethane         NO         ND(0.0010) J         ND(0.0010)         0.00075 J         ND(0.020)           Fichlorothoromethane         NO         ND(0.0010) J         ND(0.0010)         0.00075 J         ND(0.020)           Trichlorothoromethane         NO         ND(0.0000) J         ND(0.0000) J         ND(0.0000) J         NA         NA           Settificad         100         ND(0.0000) J         ND(0.0000000000 J         NA         NA           Settificad         100         ND(0.00000000000000000000000000000000000	•		100	ND(0.0010) J	ND(0.0010)	0.00077 J	ND(0.020)
12-Dichloroethane         100         ND(0.001)         ND(0.005)         ND(0.005)         ND(0.005)           2-Diordorm         100         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.005)         ND(0.001)         0.00083         ND(0.001)         0.00083         ND(0.001)         ND(0.001) <td></td> <td></td> <td></td> <td>, , , , , , , , , , , , , , , , , , ,</td> <td></td> <td></td> <td></td>				, , , , , , , , , , , , , , , , , , ,			
Nectone         100         ND(0.0050) J         ND(0.0050) J         ND(0.0050) J         ND(0.0050) J         ND(0.0010)         ND(0.0050) J         ND(0.0010)         ND(0.0001)         ND(0.0010)         ND(0.0001)         ND(0.0001)         ND(0.0001)         ND(0.0000)         NN(0.0000)         NN(0.00000)         NN(0.000000000)         N	1,2-Dichloroe	thane	100				
Disorderm         100         0.0030         ND[0.0010]         0.00014 J         0.033           Disromachizonethene         100         ND[0.0010]         ND[0.0010]         ND[0.0010]         ND[0.0010]         ND[0.0010]         ND[0.0010]         ND[0.0010]         ND[0.0010]         0.00039 J         ND[0.020]           Trichizonethene         50         ND[0.0010]         ND[0.0010]         0.0383 J         0.082           Trichizonethene         Not Listed         ND[0.0010]         ND[0.0010]         0.00075 J         ND[0.020]           Trichizonethene         Not Listed         ND[0.00008]         ND[0.000067] J         NA         NA           Strichizonethene         100         ND[0.00008]         ND[0.000067] J         NA         NA           Strichizonethene         100         ND[0.00052]         ND[0.00052]         NA         NA           Strichizonethene         100         ND[0.00052]         ND[0.00052]         NA         NA           Strichizonethene         100         ND[0.00000010]         ND[0.000000033]         NA         NA           Strichizonethene         100         ND[0.0000000052]         NA         NA         NA           Strichizonethene         100         ND[0.0000000052]	Acetone		100	· · · · ·	· · · · ·	ND(0.0050) J	· · · ·
Disconschlaromethane         100         ND(0.0010)         ND(0.00100000)         ND(0.0010)	Chlorobenzer	ne	10	ND(0.0010)	ND(0.0010)	0.00089 J	ND(0.020)
Fertachiorosthene         100         ND(0.0010)         ND(0.0010)         0.00039 J         ND(0.020)           Finchiorosthene         50         ND(0.0010) J         ND(0.0010)         0.00319 J         ND(0.020)           Finchiorosthene         Not Listed         ND(0.0010) J         ND(0.0010)         0.0032 J         ND(0.020)           Finchiorosthene         Not Listed         ND(0.0010) J         ND(0.0010)         0.00062 J         ND(0.020)           Prichiorosthene         Not Listed         ND(0.00008)         ND(0.00007) J         NA         NA           Vacior-1254         Not Listed         ND(0.00068)         ND(0.00067) J         NA         NA           Sig2-EtryInexylphthalate         100         ND(0.0052)         ND(0.0052)         NA         NA           Sig2-EtryInexylphthalate         100         ND(0.00052)         ND(0.0052)         NA         NA           Sig2-EtryInexylphthalate         100         ND(0.0000000032)         NA         NA         NA           Sig2-EtryInexylphthalate         Not Listed         ND(0.0000000032)         NA         NA         NA           Sig2-EtryInexylphthalate         Not Listed         ND(0.0000000052)         ND(0.0000000052)         NA         NA           Si	Chloroform		100	0.0030	ND(0.0010)	0.00014 J	0.033
rans-1_2-Dichloroethene         100         ND(0.0010)         ND(0.0010)         0.0081 J         ND(0.020)           Frichloroethene         50         ND(0.0010) J         ND(0.0010)         0.088 J         0.082 J           Frichloroethene         Not Listed         ND(0.0010) J         ND(0.0010)         0.00075 J         ND(0.020) <b>7026 - Filtered</b> Not Listed         ND(0.000087) J         NA         NA           Vacolor-1254         Not Listed         ND(0.000087) J         NA         NA           Semivolatile Organics         .         .         ND(0.000087) J         NA         NA           Sig2-Etriphexyliphthalate         100         ND(0.00052)         ND(0.0000033)         NA         NA           23.7.8 -FCDF         Not Listed         ND(0.00000010)         ND(0.000000033)         NA         NA           23.4.7.8 -FeCDF         Not Listed         ND(0.0000000052)         ND(0.000000052)         NA         NA           23.4.7.8 -FeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           23.4.7.8 -FeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           23.4.7.8 -FeCDF         Not Listed         ND(0.	Dibromochlor	omethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)
rans-1_2-Dichloroethene         100         ND(0.0010)         ND(0.0010)         0.00019_J         ND(0.020)           Trichloroethene         No         ND(0.0010)_J         ND(0.0010)         0.083 J         0.082           Trichloroethene         Not Listed         ND(0.0010)_J         ND(0.0010)         0.00075 J         ND(0.020) <b>Voci</b> ch-1254         Not Listed         ND(0.00008)         ND(0.000067)_J         NA         NA           Vaciar-1254         Not Listed         ND(0.00008)         ND(0.000067)_J         NA         NA           Semivolatile Organics         .         .         ND(0.00052)         NA         NA           2.4.7.Trichtorobenzene         100         ND(0.00052)         ND(0.0000033)         NA         NA           2.3.7.8.7CDF         Not Listed         ND(0.000000010)         ND(0.0000000033)         NA         NA           2.3.4.7.8.PeCDF         Not Listed         ND(0.0000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8.PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8.PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8.PeCDF <td>Tetrachloroet</td> <td>hene</td> <td>100</td> <td>ND(0.0010)</td> <td></td> <td></td> <td></td>	Tetrachloroet	hene	100	ND(0.0010)			
Tichlorosehene         50         ND(2,0010) J         ND(0,0010)         0.38 J         0.082           Tichlorofilocomethane         NOL Listed         ND(0,0010) J         ND(0,0010)         0.00067 J         ND(0,020)           2CBs-Filtered         Nocion 1234         NOL Listed         ND(0,0000)         0.00067 J         NA         NA           Nocion 1234         Not Listed         ND(0,00008)         ND(0,000067) J         NA         NA           Sige Teilheard         ND(0,0022)         NA         NA         NA           Sige Teilheard         ND(0,0052)         NA         NA         NA           Sige Teilheard         100         ND(0,0052)         NA         NA           Sige Teilheard         100         ND(0,0052)         NA         NA           Sige Teilheard         100         ND(0,0052)         ND(0,00000033)         NA         NA           Sige Teilheard         ND(0,0000000052)         ND(0,0000000052)         NA         NA         NA           Sige Teilheard         ND(0,0000000052)         ND(0,0000000052)         NA         NA         NA           Sige Teilheard         ND(0,0000000052)         ND(0,0000000052)         NA         NA         NA           Sig	trans-1,2-Dicl	nloroethene	100	ND(0.0010)			
Trichlorofluoromethane         Not Listed         ND(0.0010) J         ND(0.0010)         0.00062 J         ND(0.020)           PCBs-Filtered         100         ND(0.0010) J         ND(0.000067) J         NA         NA           Vacior-1254         Not Listed         ND(0.00068)         ND(0.000067) J         NA         NA           Semivolatile Organics         1         ND(0.00068)         ND(0.000067) J         NA         NA           Jat. Trichlorobarzene         100         ND(0.0052)         ND         NA         NA           Jat. Zat.Trichlorobarzene         100         ND(0.0052)         ND         NA         NA           Z.3.7,8-TCDF         Not Listed         ND(0.00000010)         ND(0.000000033)         NA         NA           Z.3.7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.0000000052)         NA         NA           Z.3.4,7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           Z.3.4,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA           Z.3.4,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA           Z.3.4,7,8-PeCDF         Not Listed         ND(0.000000052)         NA <td></td> <td></td> <td>50</td> <td></td> <td></td> <td>0.038 J</td> <td></td>			50			0.038 J	
Intyl Chiolde         100         ND(0.0010)         ND(0.0010)         0.00075 J         ND(0.020)           268-Filtered         Noclor-1254         Not Listed         ND(0.000068)         ND(0.000067) J         NA         NA           Ital Color 1254         0.1         ND(0.000208)         ND(0.000067) J         NA         NA           Ital Color 1254         0.1         ND(0.0052)         ND(0.0052)         NA         NA           Ital Color 1254         100         ND(0.0052)         ND(0.0052)         NA         NA           Ital Color 1254         100         ND(0.0052)         NA         NA         NA           Ital Color 1254         100         ND(0.0052)         NA         NA         NA           Ital State         ND(0.000000010)         ND(0.0000000033)         NA         NA         NA           Ital State         ND(0.0000000052)         ND(0.0000000052)         NA         NA         NA           Ital State         ND(0.0000000052)         ND(0.0000000052)         NA         NA         NA           Ital State         ND(0.0000000052)         ND(0.0000000052)         NA         NA         NA           Ital State         ND(0.00000000052)         ND(0.0000000052)         NA<						0.00062 J	
CBs-Filtered         PCBs-Filtered           Folal PCBs         0.1         ND(0.000068)         ND(0.000067) J         NA         NA           Semivolatile Organics							
Vanctor-1254         Not Listed         ND(0.00068)         ND(0.00067) J         NA         NA           Total PCBs         0.1         ND(0.00067) J         NA         NA           Semivolatile Organics         ND(0.0052)         ND(0.0052)         NA         NA           Sig2-Ethylhoxylphthalate         100         ND(0.0052)         NA         NA         NA           Warans         Sig2-Ethylhoxylphthalate         100         ND(0.00000010)         ND(0.000000033)         NA         NA           27.78-TCDF         Not Listed         ND(0.000000052)         ND(0.00000052)         NA         NA           3.2,3,4,7.8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           2.3,4,7.8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           2.3,4,7,8-PeCDF         Not Listed         ND(0.0000000052)         NA         NA	,						
Grail PCBs         0.1         ND(0.000068)         ND(0.000067) J         NA         NA           Semivolatile Organics		u	Not Listed	ND(0.00068)	ND(0.00067)	NΔ	NΔ
Semivolatile Organics         100         ND(0.0052)         ND(0.0052)         NA         NA           1;2,4-Trichlorobenzene         100         ND(0.0052)         ND(0.0052)         NA         NA           Sig2-Ethylhexyliphthalate         100         ND(0.00000010)         ND(0.000000033)         NA         NA           Sig2-Ethylhexyliphthalate         100         ND(0.000000010)         ND(0.000000033)         NA         NA           Sig2-Ethylhexyliphthalate         Not Listed         ND(0.000000052)         ND(0.000000033)         NA         NA           Sig2-Ethylhexyliphthalate         Not Listed         ND(0.000000052)         NA         NA         NA           Sig2-Sig2-Sig2-Sig2-Sig2-Sig2-Sig2-Sig2-							
12,4-Trichlorobenzene         100         ND(0.0052)         NA         NA           sig(2-Ethylhexyl)phthalate         100         ND(0.0052)         ND(0.0052)         NA         NA           virans		Organics	0.1	110(0.000000)			
bis(2-Ehylhexyl)phthalate         100         ND(0.0052)         NA         NA           Surans         S;7,8-TCDF         Not Listed         ND(0.000000033)         NA         NA           S;7,8-TCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           S;7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           S;3,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           PeCDFs (lotal)         Not Listed         ND(0.000000052)         NA         NA         NA           S;3,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           S;3,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           S;3,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           S;3,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           S;3,7,8-HpCDF         Not Listed         ND(0.000000052)         NA         NA         NA           S;3,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.0000000052)			400			NIA	NIA
Turns         Turns         Turns           3.3.7.8-TCDF         Not Listed         ND(0.00000010)         ND(0.000000033)         NA         NA           2.3.7.8-TCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.7.8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-HxCDF         Not Listed         ND(0.0000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.6.7.8-HyCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.6.7.8-HyCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8.9-HyCDF         Not Listed         ND(0.0000000052)							
2,3,7,8-TCDF         Not Listed         ND(0.000000010)         ND(0.000000033)         NA         NA           CDFs (total)         Not Listed         ND(0.000000052)         NA         NA         NA           2,3,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           2,3,4,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           2,3,4,7,8-PeCDF         Not Listed         ND(0.000000052)         NA         NA         NA           2,2,3,4,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,6,7,8-HxCDF         Not Listed         ND(0.0000000052) <t< td=""><td>, ,</td><td>xyi)phinalate</td><td>100</td><td>ND(0.0052)</td><td>ND(0.0052)</td><td>NA</td><td>NA</td></t<>	, ,	xyi)phinalate	100	ND(0.0052)	ND(0.0052)	NA	NA
CDFs (total)         Not Listed         ND(0.00000001)         ND(0.000000052)         NA         NA           1,2,3,7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,3,4,7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,3,4,7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.00000052)         NA         NA           1,2,3,4,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           3,4,6,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,6,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,6,7,8-HyCDF         Not Listed         ND(0.000000052)         NA         NA         NA           1,2,3,4,6,7,8-HyCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8-HyCDF         Not Listed         ND(0.000000051)         NA         NA           2,3,4,7,8-HyCDF         Not Listed							
I.2.3.7.8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.7.8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2.3.4.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2.3.7.8.9-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2.3.7.8.9-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4.6.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2.3.4.7.8.9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2.3.4.6.7.8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1.2.3.4.6.7.8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1.2.3.4.7.8.9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA	, , , ,						
2,3,4,7,8-PeCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           12,3,4,7,8+RCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           12,3,4,7,8+RCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8+RCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8+RCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8+BCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           2,3,4,6,7,8+RCDF         Not Listed         ND(0.0000000052)         ND(0.000000052)         NA         <	( )						
PecDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2.3.4,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA           2.3.6,7,8-HxCDF         Not Listed         ND(0.000000052)         NA         NA           1.2.3.7,8,9-HxCDF         Not Listed         ND(0.000000052)         NA         NA           2.3.4,6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           XcDFs (total)         Not Listed         ND(0.000000052)         NA         NA           1.2.3.4,6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           1.2.3.4,6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           1.2.3.4,6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           1.2.3.4,7,8,9-HpCDF         Not Listed         ND(0.0000000052)         NA         NA           1.2.3.4,7,8,9-HpCDF         Not Listed         ND(0.0000000052)         NA         NA           0.2.3,7,8-TCDD         Not Listed         ND(0.000000003)         NA         NA           2.3,7,8-FeCDD         Not Listed         ND(0.0000000052)         NA         NA <td></td> <td></td> <td></td> <td>(**************************************</td> <td>· · /</td> <td></td> <td></td>				(**************************************	· · /		
I.2.3.4.7.8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           I.2.3.6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.7.8.9-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4.6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4.6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4.6,7.8-HxCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4.6,7.8-HyCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4,7.8.9-HyCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4,7.8.9-HyCDF         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.4,7.8-P         Not Listed         ND(0.0000000031)         NA         NA           I.2.3.7.8-P         Not Listed         ND(0.0000000052)         NA         NA           I.2.3.7.8-P         Not Listed         ND(0.00000000052)         NA         NA <td></td> <td></td> <td></td> <td>(</td> <td></td> <td></td> <td></td>				(			
12.3.6,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           12.3.7,8,9-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           3.4.6,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           3.4.6,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1.2,3.4,6,7,8-HxCDF         Not Listed         ND(0.0000000052)         ND(0.0000000052)         NA         NA           1.2,3.4,6,7,8-HpCDF         Not Listed         ND(0.0000000052)         ND(0.0000000063)         NA         NA           1.2,3.4,7,8-HpCDF         Not Listed         ND(0.0000000052)         ND(0.000000003)         NA         NA           1.2,3.4,7,8-HpCDF         Not Listed         ND(0.0000000052)         ND(0.000000003)         NA         NA           2.3,7,8-TCDD         Not Listed         ND(0.0000000052)         ND(0.000000003)         NA         NA           2.3,7,8-TCDD         Not Listed         ND(0.0000000052)         ND(0.0000000052)         NA         NA           2.3,7,8-TCDD         Not Listed         ND(0.0000000052)         ND(0.0000000052)         NA	PeCDFs (tota	l)		· · · /	(**************************************		
12,3,7,8,9-HxCDF         Not Listed         ND(0.00000052)         ND(0.00000052)         NA         NA           2,3,4,6,7,8-HxCDF         Not Listed         ND(0.00000052)         ND(0.00000052)         NA         NA           NxCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           0,2,7,8-TCDD         Not Listed         ND(0.000000010)         ND(0.000000043)         NA         NA           2,3,7,8-TCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,3,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA			Not Listed	ND(0.000000052)	ND(0.000000052)		
X,4,6,7,8-HxCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           4xCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           1,2,3,4,7,8-HpCDF         Not Listed         ND(0.00000001)         ND(0.000000031)         NA         NA           02DF         Not Listed         ND(0.00000001)         ND(0.000000033)         NA         NA           2,3,7,8-TCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,3,7,8-PCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,2,3,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA	1 1-1-1 1-	-	Not Listed	ND(0.000000052)			
TxCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,6,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           0,2,0,7,8,9-FpCDF         Not Listed         ND(0.0000000052)         ND(0.000000031)         NA         NA           0,2,7,8,7-ECD         Not Listed         ND(0.000000010)         ND(0.000000043)         NA         NA           0,2,3,7,8-FeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,2,3,7,8-FeCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA </td <td></td> <td></td> <td>Not Listed</td> <td>ND(0.000000052)</td> <td>ND(0.000000052)</td> <td></td> <td></td>			Not Listed	ND(0.000000052)	ND(0.000000052)		
I,2,3,4,6,7,8-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           I,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000063)         NA         NA           hpCDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           Dioxins	2,3,4,6,7,8-H	KCDF	Not Listed		ND(0.000000052)	NA	
1,2,3,4,7,8,9-HpCDF         Not Listed         ND(0.000000052)         ND(0.000000063)         NA         NA           4pCDFs (total)         Not Listed         ND(0.000000052)         ND(0.00000003)         NA         NA           0CDF         Not Listed         ND(0.00000001)         ND(0.00000003)         NA         NA           0CDF         Not Listed         ND(0.00000001)         ND(0.00000003)         NA         NA           2,3,7,8-TCDD         Not Listed         ND(0.000000010)         ND(0.000000043)         NA         NA           2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           2,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,7,8-PhCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,7,8-PhCDD         Not Listed         ND(0.0000000052)         ND(0.0000000054)         NA         NA           1,2,			Not Listed	ND(0.000000052)	ND(0.000000052)		NA
The CDFs (total)         Not Listed         ND(0.000000052)         ND(0.000000056)         NA         NA           DCDF         Not Listed         ND(0.000000011)         ND(0.000000031)         NA         NA           Dioxins	1,2,3,4,6,7,8-	HpCDF	Not Listed	ND(0.000000052)	ND(0.000000052)		
DCDF         Not Listed         ND(0.00000011)         ND(0.00000031)         NA         NA           Dioxins	1,2,3,4,7,8,9-	HpCDF	Not Listed	ND(0.000000052)	ND(0.000000063)	NA	NA
Dioxins         Not Listed         ND(0.00000010)         ND(0.000000043)         NA         NA           CDDs (total)         Not Listed         ND(0.000000010)         ND(0.000000043)         NA         NA           1,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.0000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.0000000052)         ND(0.000000053)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.0000000052)         ND(0.000000054)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.0000000052)         ND(0.000000055)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.0000000052)         ND(0.000000055)         NA         NA           1,2,3,4,6,7,8-HxCDD         Not Listed         ND(0.0000000052)         ND(0.0000000054)         NA         NA           1,2,3,4,6,7,8-HxCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HxCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         N	HpCDFs (tota	l)	Not Listed	ND(0.000000052)	ND(0.000000056)	NA	NA
P.3,7,8-TCDD         Not Listed         ND(0.00000010)         ND(0.000000043)         NA         NA           TCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000052)         ND(0.0000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           1,2,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.00000011         0.0000000074)         NA         NA	OCDF		Not Listed	ND(0.00000011)	ND(0.00000031)	NA	NA
CDDs (total)         Not Listed         ND(0.00000010)         ND(0.000000043)         NA         NA           1,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA <td< td=""><td>Dioxins</td><td></td><td></td><td>•</td><td>•</td><td></td><td></td></td<>	Dioxins			•	•		
CDDs (total)         Not Listed         ND(0.00000010)         ND(0.000000043)         NA         NA           1,2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA <td< td=""><td>2.3.7.8-TCDD</td><td>)</td><td>Not Listed</td><td>ND(0.00000010)</td><td>ND(0.000000043)</td><td>NA</td><td>NA</td></td<>	2.3.7.8-TCDD	)	Not Listed	ND(0.00000010)	ND(0.000000043)	NA	NA
I.2,3,7,8-PeCDD         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           PeCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,4,6,7,8-HxCDD         Not Listed         ND(0.000000057)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000012)         ND(0.000000037)         NA	, , , ,			,			NA
PecDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000052)         NA         NA           1,2,3,4,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           1,2,3,6,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.0000000052)         ND(0.0000000055)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000052)         ND(0.0000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.0000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           0,2DD         Not Listed         ND(0.0000000012)         ND(0.000000037)         NA					· · /	NA	NA
I.2.3.4.7.8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           I.2.3.6,7.8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           I.2.3.6,7.8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           I.2.3.7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           I.2.3.7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000053)         NA         NA           I.2.3.4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.0000000074)         NA         NA           I.2.3.4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           I.2.3.4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           I.2.3.4,6,7,8-HpCDD         Not Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           I.2.3.4,6,7,8-HpCDD         Not Listed         ND(0.000000012)         ND(0.000000037)         NA         NA           OCDD         Not Listed         1.00 J         ND(0.000000037)         NA         N					· · · · /		
1,2,3,6,7,8-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,7,8,9-HxCDD         Not Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           4xCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           1,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           4pCDDs (total)         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           OCDD         Not Listed         ND(0.000000012)         ND(0.000000037)         NA         NA           norganics-Unfiltered         0.000001         0.000000011         0.000000033         NA         NA           Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           argum         100         ND(0.100)         ND(0.100)         NA         NA           Saryllium         2 <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td>					· · · · · · · · · · · · · · · · · · ·		
Not         Not         Listed         ND(0.000000052)         ND(0.000000055)         NA         NA           HxCDDs (total)         Not         Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           HxCDDs (total)         Not         Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           HxCDDs (total)         Not         Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           HpCDDs (total)         Not         Listed         ND(0.0000000077)         ND(0.000000074)         NA         NA           OCDD         Not         Listed         ND(0.0000000077)         ND(0.000000037)         NA         NA           Fotal TEQs (WHO TEFs)         0.000001         0.00000011         0.000000033         NA         NA           norganics-Unfiltered         Sulfide         Not         Listed         1.00 J         ND(1.00)         NA         NA           Sarium         100         ND(0.100)         ND(0.100)         NA         NA         NA           Saryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         30         ND(0.0100) J         ND(0.0100) J <td></td> <td></td> <td></td> <td></td> <td>(</td> <td></td> <td></td>					(		
HxCDDs (total)         Not Listed         ND(0.000000052)         ND(0.000000054)         NA         NA           I,2,3,4,6,7,8-HpCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           HpCDDs (total)         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           OCDD         Not Listed         ND(0.000000077)         ND(0.000000037)         NA         NA           OCDD         Not Listed         ND(0.000000012)         ND(0.00000037)         NA         NA           OCDD         Not Listed         ND(0.00000011         0.000000037)         NA         NA           norganics-Unfiltered          0.0000011         0.000000033         NA         NA           Sarium         Not Listed         1.00 J         ND(1.00)         NA         NA           Baryllium         2         ND(0.100)         ND(0.100)         NA         NA           Chromium         30         ND(0.0100) J         0.00134 B         NA         NA				(**************************************			
Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           HpCDDs (total)         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           DCDD         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           DCDD         Not Listed         ND(0.000000012)         ND(0.000000037)         NA         NA           DCDD         Not Listed         ND(0.00000012)         ND(0.00000037)         NA         NA           Total TEQs (WHO TEFs)         0.000001         0.00000011         0.000000083         NA         NA           norganics-Unfiltered         Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           Sarium         100         ND(0.100)         ND(0.100)         NA         NA           Baryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA							
HpCDDs (total)         Not Listed         ND(0.000000077)         ND(0.000000074)         NA         NA           DCDD         Not Listed         ND(0.000000012)         ND(0.00000037)         NA         NA           DCDD         Not Listed         ND(0.00000012)         ND(0.00000037)         NA         NA           Fotal TEQs (WHO TEFs)         0.000001         0.00000011         0.00000083         NA         NA           norganics-Unfiltered         Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           Barium         100         ND(0.100)         ND(0.100)         NA         NA           Baryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA				(**************************************	(		
Not Listed         ND(0.00000012)         ND(0.00000037)         NA         NA           Fotal TEQs (WHO TEFs)         0.000001         0.00000011         0.000000033         NA         NA           norganics-Unfiltered					(**************************************		
Fotal TEQs (WHO TEFs)         0.000001         0.00000011         0.000000083         NA         NA           norganics-Unfiltered         Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           norganics-Filtered         Sarium         100         ND(0.100)         ND(0.100)         NA         NA           Baryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100) J         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA	· · ·	^'' <i>j</i>			· · · · · · · · · · · · · · · · · · ·		
Norganics-Unfiltered         Not Listed         1.00 J         ND(1.00)         NA         NA           Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           norganics-Filtered         Jarium         100         ND(0.100)         ND(0.100)         NA         NA           Beryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA							
Sulfide         Not Listed         1.00 J         ND(1.00)         NA         NA           norganics-Filtered			0.000001	0.00000011	0.0000000000		
norganics-Filtered           Barium         100         ND(0.100)         ND(0.100)         NA         NA           Beryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA			Not Listed	1.00 1		NIA	NIA.
Barium         100         ND(0.100)         ND(0.100)         NA         NA           Beryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA		ltorod	NOT LISTED	1.00 J	ND(1.00)	INA	INA
Beryllium         2         ND(0.0100) J         0.000940 J         NA         NA           Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA	-	Intered		1			
Chromium         3         ND(0.0100)         0.00134 B         NA         NA           Fhallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA	Barium						
Thallium         30         ND(0.0100) J         ND(0.0100) J         NA         NA	Beryllium						
	Chromium						
Zinc         50         0.00957 B         ND(0.0200)         NA         NA	Thallium						
	Zinc		50	0.00957 B	ND(0.0200)	NA	NA

Sample ID:	MCP UCL	OPCA-MW-3	OPCA-MW-4	OPCA-MW-5R
Parameter Date Collected:	for GroundWater	04/23/08	04/22/08	04/24/08
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	100	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene	10	ND(0.0010)	0.00012 J	0.00048 J
Chloroform	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	50	ND(0.0010)	0.0014 J	ND(0.0010) J
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	100	ND(0.0010)	0.00032 J	0.0012 J
PCBs-Filtered		•	•	•
Aroclor-1254	Not Listed	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Total PCBs	0.1	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Semivolatile Organics	•••			
1,2,4-Trichlorobenzene	100	ND(0.0053)	0.0016 J	ND(0.0051)
bis(2-Ethylhexyl)phthalate	100	ND(0.0053)	ND(0.0052)	ND(0.0051)
Furans	100	ND(0.0000)	ND(0.0002)	112(0.0001)
2,3,7,8-TCDF	Not Listed	ND(0.000000049)	0.000000094 J	0.000000042 J
TCDFs (total)		(**************************************	0.000000094 3	
	Not Listed	ND(0.000000049) ND(0.0000000052)		0.00000020
1,2,3,7,8-PeCDF	Not Listed	(**************************************	0.000000074 J ND(0.000000066)	ND(0.000000052) ND(0.000000052)
2,3,4,7,8-PeCDF PeCDFs (total)	Not Listed	ND(0.000000052)	(	(***********
	Not Listed	ND(0.000000052)	0.00000042 J	ND(0.000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000052)	ND(0.000000053)	ND(0.000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
HxCDFs (total)	Not Listed	ND(0.000000052)	0.00000011 J	ND(0.000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.000000053)	ND(0.000000051)	ND(0.000000052)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.000000067)	ND(0.000000063)	ND(0.000000052)
HpCDFs (total)	Not Listed	ND(0.000000059)	ND(0.000000055)	ND(0.000000052)
OCDF	Not Listed	ND(0.00000012)	ND(0.00000013)	ND(0.00000010)
Dioxins				-
2,3,7,8-TCDD	Not Listed	ND(0.000000054)	ND(0.000000041)	ND(0.000000010)
TCDDs (total)	Not Listed	ND(0.000000054)	ND(0.000000041)	ND(0.000000010)
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
PeCDDs (total)	Not Listed	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.000000052)	ND(0.000000054)	ND(0.000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.000000052)	ND(0.000000055)	ND(0.000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.000000052)	ND(0.000000056)	ND(0.000000052)
HxCDDs (total)	Not Listed	ND(0.000000052)	ND(0.000000055)	ND(0.000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000077)	ND(0.000000085)	ND(0.000000052)
HpCDDs (total)	Not Listed	ND(0.000000077)	ND(0.000000085)	ND(0.000000052)
OCDD	Not Listed	ND(0.00000012)	ND(0.00000016)	ND(0.00000010)
Total TEQs (WHO TEFs)	0.000001	0.000000089	0.000000095	0.000000068
Inorganics-Unfiltered				
Sulfide	Not Listed	ND(1.00)	1.00 J	ND(1.00) J
Inorganics-Filtered				
Barium	100	0.0277 B	0.00975 B	0.0609 B
Beryllium	2	0.00548 J	ND(0.0100) J	0.00251 J
Chromium	3	0.00224 B	0.00150 B	0.00134 B
Thallium	30	0.00638 J	0.00936 J	ND(0.0100) J
Zinc	50	ND(0.0200)	0.0112 B	0.00643 B
	00	110(0.0200)	0.0112 B	0.00040 D

Sample ID:	MCP UCL	OPCA-MW-6	OPCA-MW-7	OPCA-MW-8		
Parameter Date Collected:	for GroundWater	04/23/08	04/21/08	04/23/08		
Volatile Organics						
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)		
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)		
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)		
Acetone	100	0.0015 J	ND(0.0050) J	ND(0.0050) J		
Chlorobenzene	10	ND(0.0010)	ND(0.0010)	ND(0.0010)		
Chloroform	100	ND(0.0010)	ND(0.0010)	ND(0.0010)		
Dibromochloromethane	100	ND(0.0010)	0.00014 J	ND(0.0010)		
Tetrachloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)		
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)		
Trichloroethene	50	ND(0.0010)	ND(0.0010) J	ND(0.0010)		
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010)		
Vinyl Chloride	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)		
PCBs-Filtered						
Aroclor-1254	Not Listed	0.00017 J	ND(0.000068)	0.00019 J		
Total PCBs	0.1	0.00017 J	ND(0.000068)	0.00019 J		
Semivolatile Organics	•••					
1,2,4-Trichlorobenzene	100	ND(0.0051)	ND(0.0052)	ND(0.0051)		
bis(2-Ethylhexyl)phthalate	100	ND(0.0051)	ND(0.0052)	0.0011 J		
Furans				0.00110		
2,3,7,8-TCDF	Not Listed	0.000000044 J	ND(0.000000012)	ND(0.000000050)		
TCDFs (total)	Not Listed	0.0000000044 J	ND(0.000000012)	0.0000000000000000000000000000000000000		
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000012)	ND(0.000000052)		
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
PeCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
HxCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.00000000000000000000000000000000000		
HpCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000053)		
OCDF	Not Listed	ND(0.000000010)	ND(0.00000000000000000000000000000000000	ND(0.0000000011)		
Dioxins	Not Eloted	112(0.000000010)	112(0.000000010)	112(0.000000011)		
2,3,7,8-TCDD	Not Listed	ND(0.000000022)	ND(0.000000014)	ND(0.000000044)		
TCDDs (total)	Not Listed	ND(0.000000022)	ND(0.0000000014)	ND(0.0000000044)		
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
PeCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.000000052)	ND(0.0000000052)		
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.000000052)	ND(0.0000000052)		
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
HxCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)		
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.00000000000000000000000000000000000	ND(0.0000000052)	ND(0.00000000000000000000000000000000000		
HpCDDs (total)	Not Listed	ND(0.00000000000000000000000000000000000	ND(0.0000000052)	ND(0.0000000085)		
OCDD	Not Listed	ND(0.0000000000)	ND(0.00000000000000000000000000000000000	0.000000017 J		
Total TEQs (WHO TEFs)	0.000001	0.000000073	0.000000067	0.000000084		
Inorganics-Unfiltered	0.000001	0.00000000	0.00000000	0.00000001		
Sulfide	Not Listed	ND(1.00)	1.00 J	ND(1.00)		
Inorganics-Filtered	Hot Liotou	112(1.00)	1.000	112(1.00)		
Barium	100	0.00804 B	0.0276 B	0.00521 B		
Beryllium	2	ND(0.0100) J	ND(0.0100) J	0.00521 B		
Chromium	3	0.00179 B	0.00134 B	0.00141 J		
Thallium	30	0.00656 J	0.00134 B	0.00210 B		
Zinc	50	ND(0.0200)	0.0146 J	0.298		
200	50	110(0.0200)	0.0170 D	0.290		

Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

#### Notes:

- 1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
- 6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
- <sup>7</sup> Field duplicate sample results are presented in brackets.

#### Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

#### Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

J - Indicates that the associated numerical value is an estimated concentration.

# Table 9 Proposed Interim Groundwater Quality Monitoring Program

#### Groundwater Quality Monitoring Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts

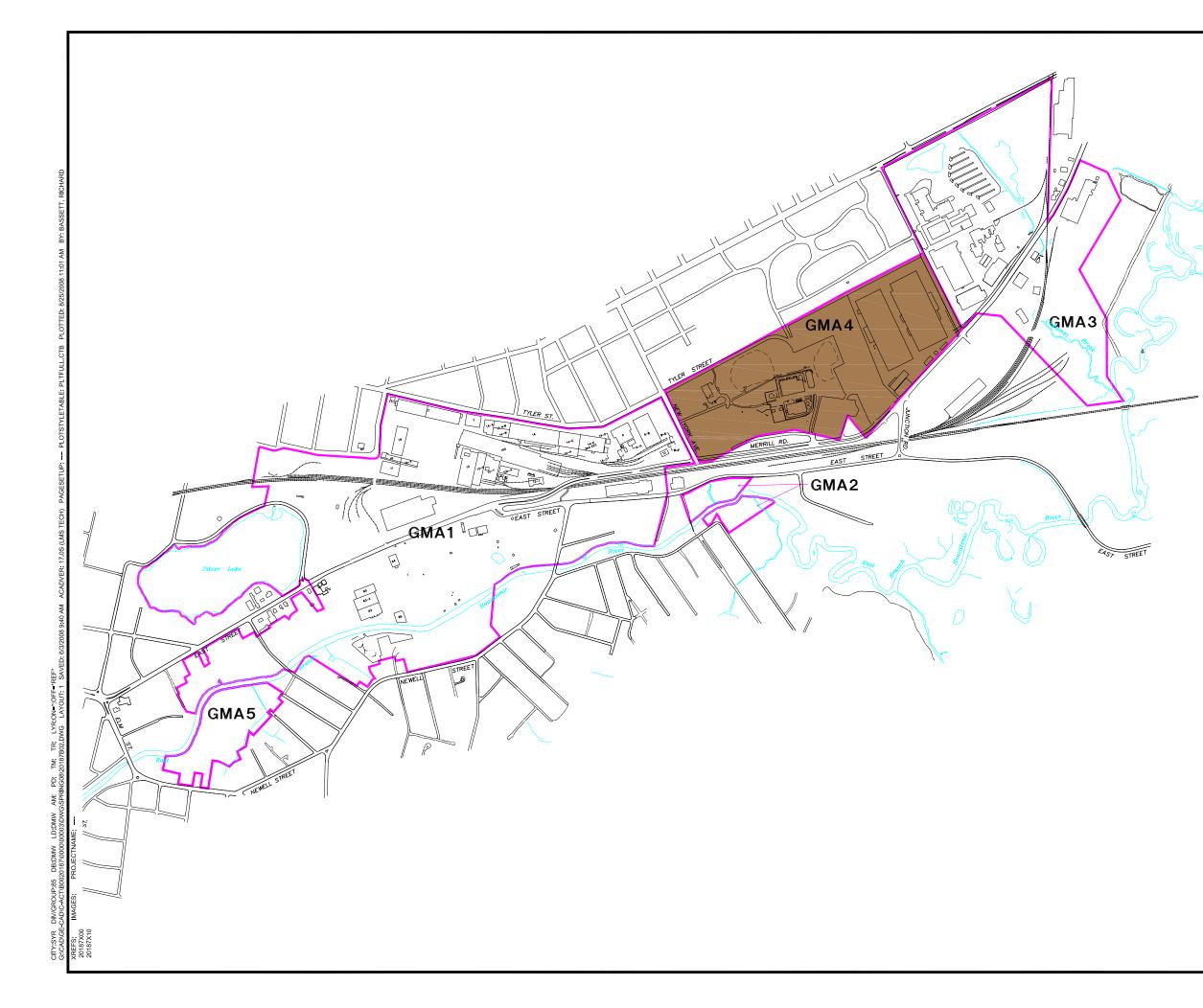
Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Basis for Inclusion/Comments
78-1	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
GMA4-2	GW-2 Sentinel	Semi-Annual	PCB	PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA4-3	GW-2 Sentinel	Semi-Annual	РСВ	PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-16	Supplemental Well for TCE Evaluation	Annual - Fall 2009	VOC	Sampling of these two wells is to be conducted on an annual basis, alternating between the spring and fall seasons each
H78B-17R	GW-3 Perimeter (Downgradient)	Annual - Fall 2009	VOC	year. This schedule began with the spring 2004 event and the next scheduled sampling will be fall 2009.
OPCA-MW-1RR	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well to be added OPCA groundwater quality monitoring program network as replacement for well OPCA-MW-1R.
OPCA-MW-2R	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well to be added OPCA groundwater quality monitoring program network as replacement for well OPCA-MW-2.
OPCA-MW-3	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-4	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.

NOTES:

2. Per the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.

# ARCADIS

Figures





#### LEGEND:

GMA1
GMA2
GMA3
GMA4
GMA5

GMA 1-PLANT SITE 1
GMA 2-FORMER OXBOWS J&
GMA 3-PLANT SITE 2
GMA 4-PLANT SITE 3

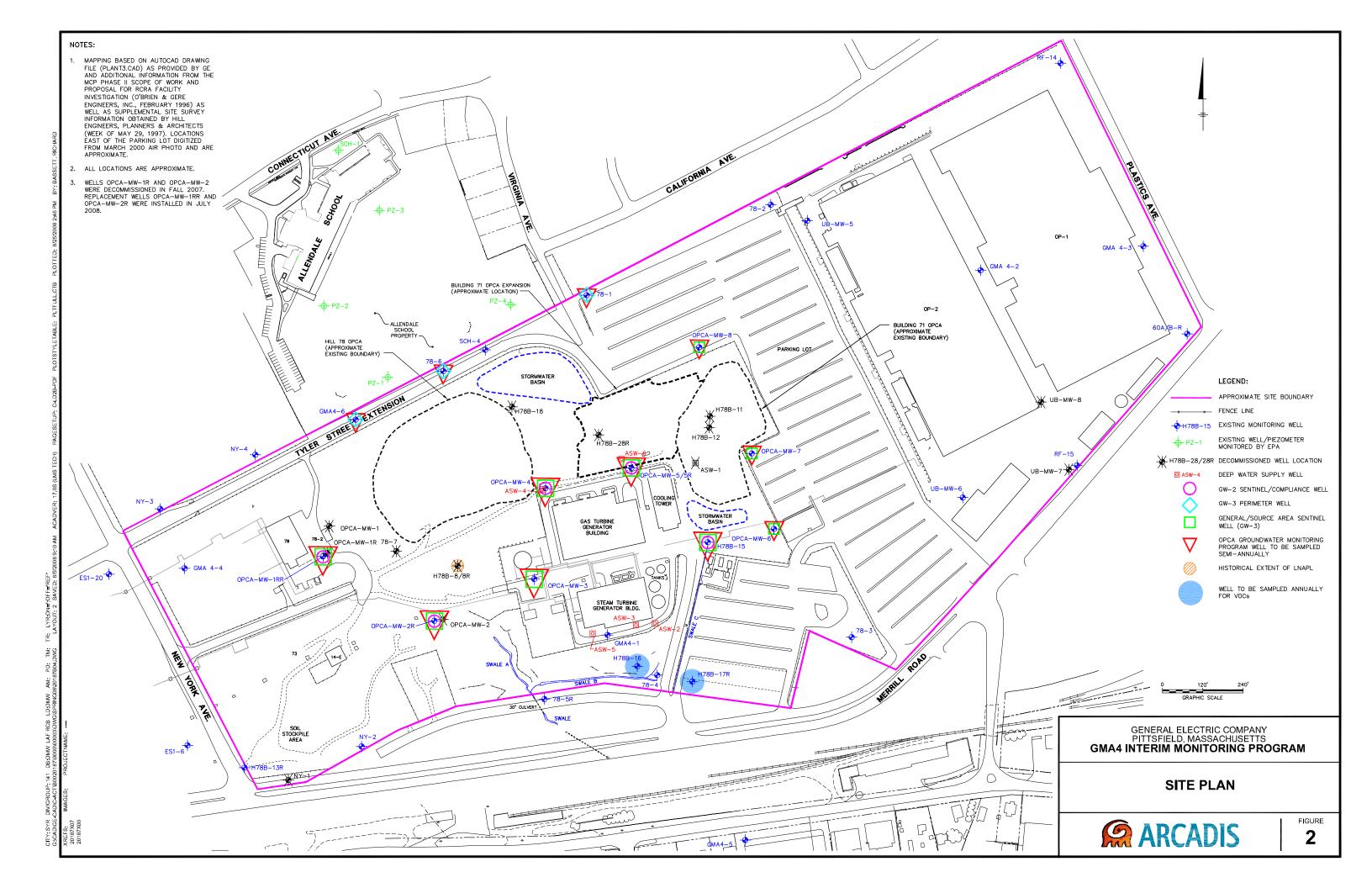
GMA 5-FORMER OXBOWS A&C

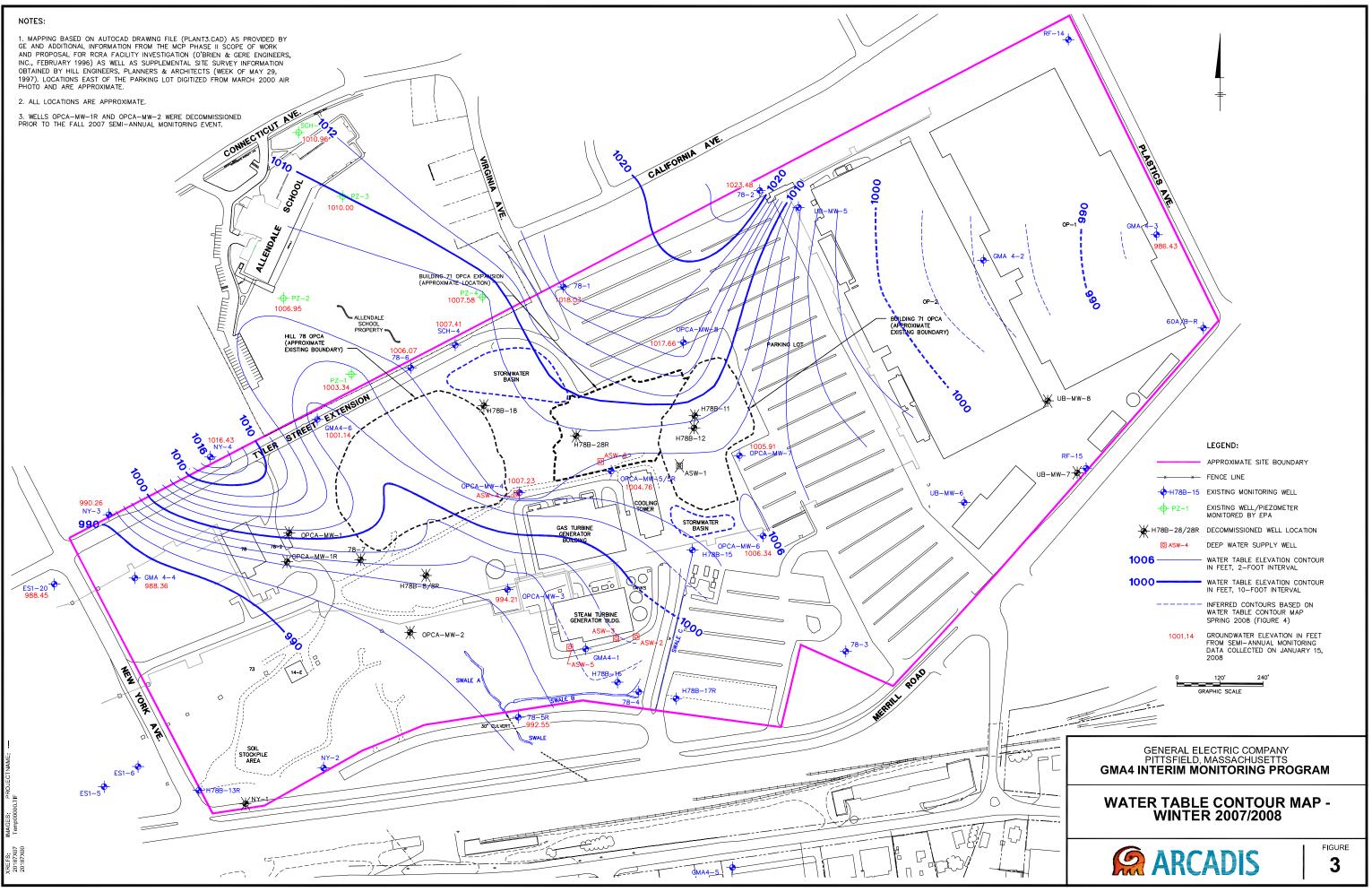
### GENERAL NOTES:

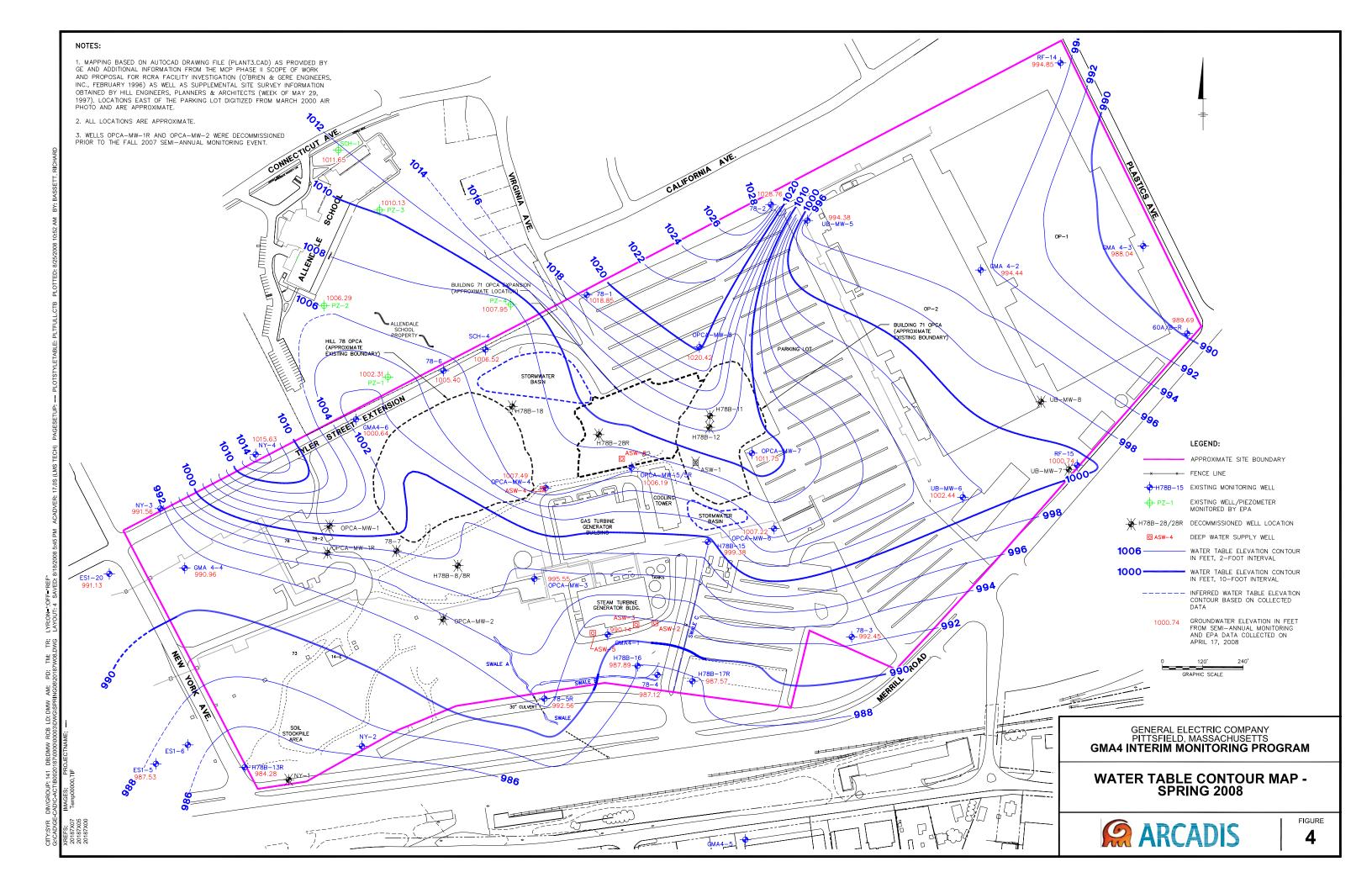
- MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND & BOUCK ENGINEERS, P.C. P.C. CONSTRUCTION PLANS.
- 2. NOT ALL PHYSICAL FEATURES SHOWN.
- 3. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

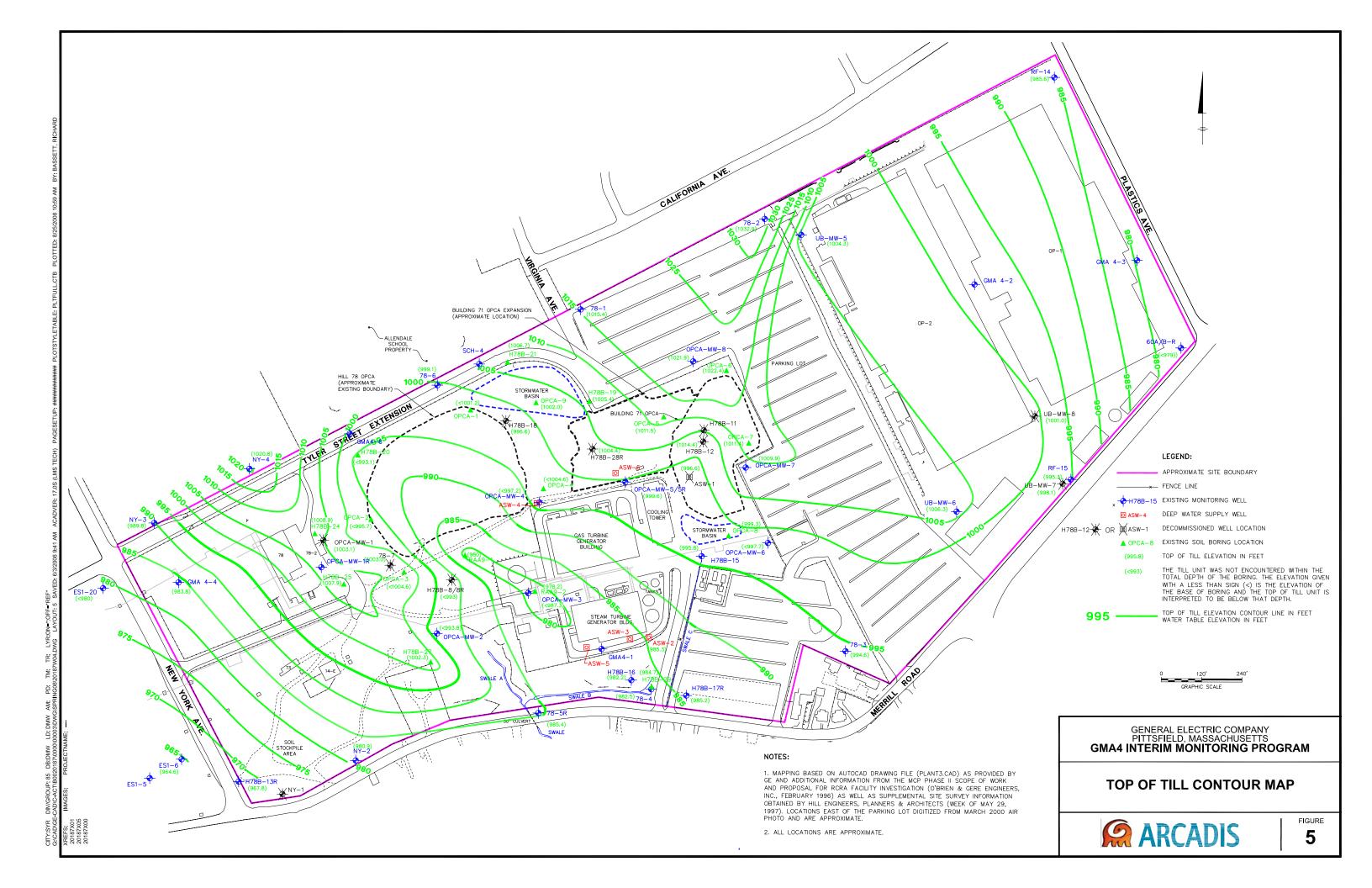
٥	50	0'	1000'
	APPROXIMA	TE SCALE	

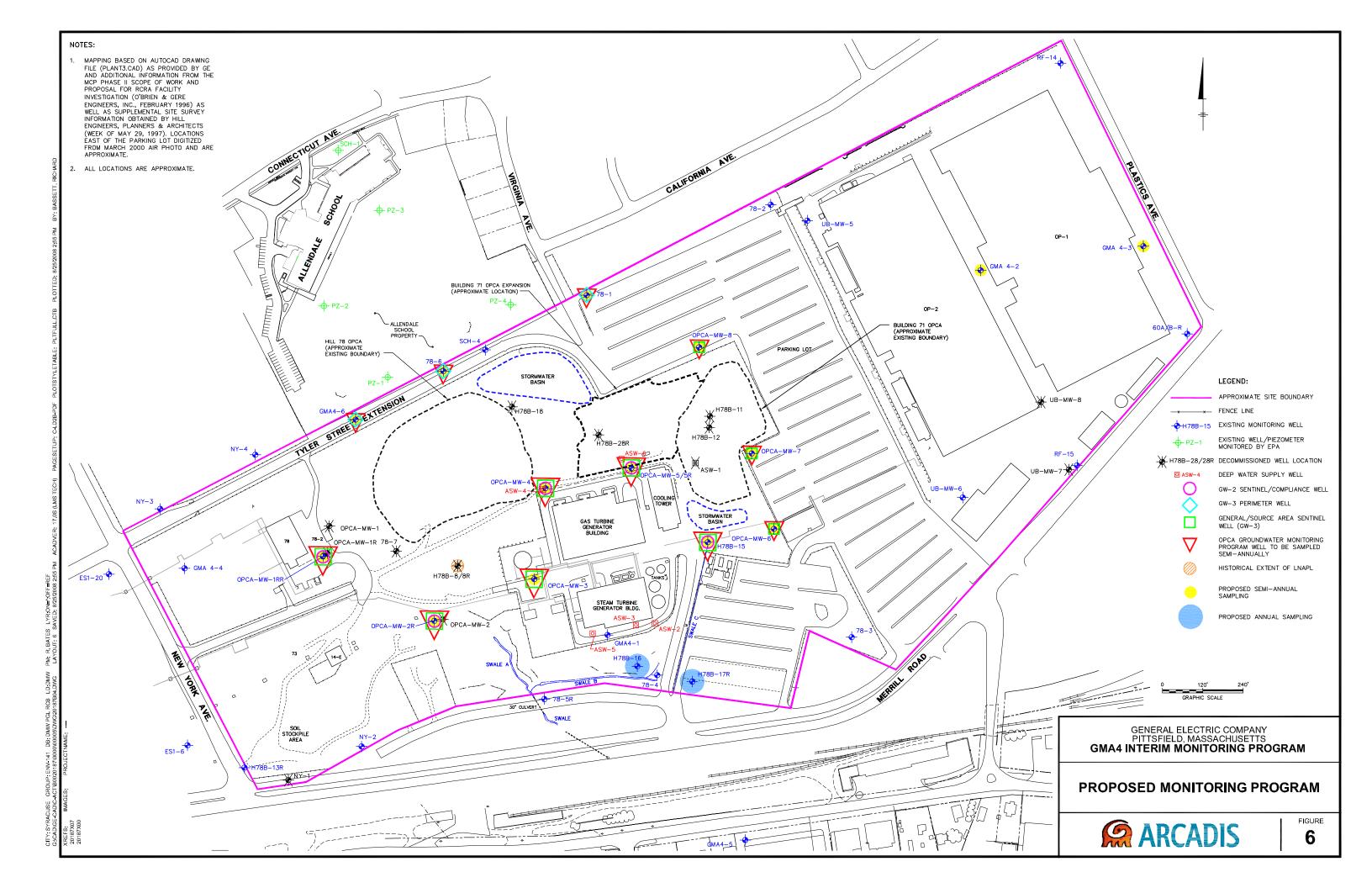












# ARCADIS

Appendices

## ARCADIS

### Appendix A

Groundwater Elevation/NAPL Monitoring Data – Spring 2008

# Table A-1Spring 2008 Groundwater Elevation Data

### Groundwater Management Area 4

### Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

	Measuring		Depth	LNAPL	DNAPL	Groundwater
Well	Point Elev.	Date	to Water	Thickness	Thickness	Elevation
Name	(feet AMSL)		(ft BMP)	(feet)	(feet)	(feet AMSL)
060A	1,001.71	4/17/2008	Could not loc	ate		NA
060B-R	1,002.79	4/17/2008	13.10	0.00	0.00	989.69
78-1	1,026.32	1/15/2008	8.29	0.00	0.00	1,018.03
78-1	1,026.32	4/17/2008	7.47	0.00	0.00	1,018.85
78-1	1,026.32	4/22/2008	8.11	0.00	0.00	1,018.21
78-2	1,033.96	1/15/2008	10.48	0.00	0.00	1,023.48
78-2	1,033.96	4/17/2008	5.20	0.00	0.00	1,028.76
78-3	1,007.13	4/17/2008	14.68	0.00	0.00	992.45
78-4	998.55	4/17/2008	11.43	0.00	0.00	987.12
78-5R	997.36	4/17/2008	4.80	0.00	0.00	992.56
78-6	1,012.00	1/15/2008	5.93	0.00	0.00	1,006.07
78-6	1,012.00	4/17/2008	6.60	0.00	0.00	1,005.40
78-6	1,012.00	4/21/2008	7.41	0.00	0.00	1,004.59
GMA4-1	1,012.35	4/17/2008	22.21	0.00	0.00	990.14
GMA4-2	1,006.22	4/17/2008	11.78	0.00	0.00	994.44
GMA4-3	1,003.95	1/15/2008	17.52	0.00	0.00	986.43
GMA4-3	1,003.95	2/26/2008	18.70	0.00	0.00	985.25
GMA4-3	1,003.95	3/26/2008	16.00	0.00	0.00	987.95
GMA4-3	1,003.95	4/17/2008	15.91	0.00	0.00	988.04
GMA4-3	1,003.95	5/20/2008	16.80	0.00	0.00	987.15
GMA4-3	1,003.95	6/24/2008	17.40	0.00	0.00	986.55
GMA4-4	999.64	1/15/2008	11.28	0.00	0.00	988.36
GMA4-4	999.64	4/17/2008	8.68	0.00	0.00	990.96
GMA4-6	1,009.12	1/15/2008	7.98	0.00	0.00	1,001.14
GMA4-6	1,009.12	4/17/2008	8.48	0.00	0.00	1,000.64
GMA4-6	1,009.12	4/21/2008	8.80	0.00	0.00	1,000.32
H78B-13R	992.93	4/17/2008	8.65	0.00	0.00	984.28
H78B-15	1,012.68	4/17/2008	13.30	0.00	0.00	999.38
H78B-15	1,012.68	4/23/2008	13.72	0.00	0.00	998.96
H78B-16	999.33	4/17/2008	11.44	0.00	0.00	987.89
H78B-16	999.33	4/22/2008	11.74	0.00	0.00	987.59
H78B-17	1,002.54	4/17/2008	16.17	0.00	0.00	986.37
H78B-17R	1,000.31	4/17/2008	12.74	0.00	0.00	987.57
H78B-17R	1,000.31	4/22/2008	12.92	0.00	0.00	987.39
NY-3	1,005.49	1/15/2008	15.23	0.00	0.00	990.26
NY-3	1,005.49	4/17/2008	13.93	0.00	0.00	991.56

# Table A-1Spring 2008 Groundwater Elevation Data

### **Groundwater Management Area 4**

### Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well	Measuring Point Elev.	Date	Depth to Water	LNAPL Thickness	DNAPL Thickness	Groundwater Elevation
Name	(feet AMSL)		(ft BMP)	(feet)	(feet)	(feet AMSL)
NY-4	1,024.24	1/15/2008	7.81	0.00	0.00	1,016.43
NY-4	1,024.24	4/17/2008	8.61	0.00	0.00	1,015.63
OPCA-MW-3	1,014.83	1/15/2008	20.62	0.00	0.00	994.21
OPCA-MW-3	1,014.83	4/17/2008	19.28	0.00	0.00	995.55
OPCA-MW-3	1,014.83	4/23/2008	19.31	0.00	0.00	995.52
OPCA-MW-4	1,018.67	1/15/2008	11.44	0.00	0.00	1,007.23
OPCA-MW-4	1,018.67	4/17/2008	11.18	0.00	0.00	1,007.49
OPCA-MW-4	1,018.67	4/22/2008	11.17	0.00	0.00	1,007.50
OPCA-MW-5R	1,016.34	1/15/2008	11.58	0.00	0.00	1,004.76
OPCA-MW-5R	1,016.34	4/17/2008	10.15	0.00	0.00	1,006.19
OPCA-MW-5R	1,016.34	4/24/2008	10.37	0.00	0.00	1,005.97
OPCA-MW-6	1,022.31	1/15/2008	15.97	0.00	0.00	1,006.34
OPCA-MW-6	1,022.31	4/17/2008	15.09	0.00	0.00	1,007.22
OPCA-MW-6	1,022.31	4/23/2008	15.32	0.00	0.00	1,006.99
OPCA-MW-7	1,026.57	1/15/2008	20.66	0.00	0.00	1,005.91
OPCA-MW-7	1,026.57	4/17/2008	14.82	0.00	0.00	1,011.75
OPCA-MW-7	1,026.57	4/21/2008	14.62	0.00	0.00	1,011.95
OPCA-MW-8	1,027.40	1/15/2008	9.74	0.00	0.00	1,017.66
OPCA-MW-8	1,027.40	4/17/2008	6.98	0.00	0.00	1,020.42
OPCA-MW-8	1,027.40	4/23/2008	7.54	0.00	0.00	1,019.86
RF-14	1,001.59	4/17/2008	6.74	0.00	0.00	994.85
RF-15	1,011.80	4/17/2008	11.06	0.00	0.00	1,000.74
SCH-4	1,014.05	1/15/2008	6.64	0.00	0.00	1,007.41
SCH-4	1,014.05	4/17/2008	7.53	0.00	0.00	1,006.52
UB-MW-5	1,006.06	4/17/2008	11.68	0.00	0.00	994.38
UB-MW-6	1,019.79	4/17/2008	17.35	0.00	0.00	1,002.44
Allendale Schoo	I Property Mo	nitoring Wells	/Piezometers			
PZ-1	1005.60	1/15/2008	2.26	0.00	0.00	1,003.34
PZ-1	1005.60	4/17/2008	3.29	0.00	0.00	1,002.31
PZ-2	1009.89	1/15/2008	2.94	0.00	0.00	1,006.95
PZ-2	1009.89	4/17/2008	3.60	0.00	0.00	1,006.29
PZ-3	1010.43	1/15/2008	0.43	0.00	0.00	1,010.00
PZ-3	1010.43	4/17/2008	0.30	0.00	0.00	1,010.13
PZ-4	1007.96	1/15/2008	0.38	0.00	0.00	1,007.58
PZ-4	1007.96	4/17/2008	0.01	0.00	0.00	1,007.95
SCH-1	1017.11	1/15/2008	6.15	0.00	0.00	1,010.96
SCH-1	1017.11	4/17/2008	5.46	0.00	0.00	1,011.65

# Table A-1Spring 2008 Groundwater Elevation Data

### **Groundwater Management Area 4**

### Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev. Date (feet AMSL)		Depth to Water (ft BMP)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation (feet AMSL)
East Street Area 2	- North (Ground	dwater Managen	nent Area 1)			
ES1-20	1,001.56	1/17/2008	13.11	0.00	0.00	988.45
ES1-20	1,001.56	4/17/2008	10.43	0.00	0.00	991.13

Notes:

1. ft AMSL - feet Above Mean Sea Level.

2. ft BMP - feet Below Measuring Point

# ARCADIS

Appendix B

Field Sampling Data

# Table B-1Groundwater Sampling Methods

#### **Groundwater Management Area 4**

Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well Number	Type of Pump	Average Fall Depth to Water (ft-bgs)	Depth to Till (ft-bgs)	Well Screen Interval (ft-bgs)	Approximate Pump Intake Placement <sup>(1)</sup> (ft-bgs)
78-1	Peristaltic	11.9	12	8-23	14
78-6	Peristaltic	9.2	13	3-18	12
GMA4-6	Peristaltic	8.9	>13	3-13	11
H78B-15	Peristaltic	11.3	14	6-16	14
H78B-16 <sup>(2)</sup>	Peristaltic	8.7	14	4-14	12
H78B-17R <sup>(2)</sup>	Bladder	12.2	14	14.3-23.5	20
OPCA-MW-3	Bladder	21.0	>28	18-28	25
OPCA-MW-4	Peristaltic	13.4	>22	12-22	17
OPCA-MW-5R	Peristaltic	12.8	17	11.25-21.25	17
OPCA-MW-6	Submersible	18.6	>25	15-25	22
OPCA-MW-7	Peristaltic	19.6	18	14-24	18
OPCA-MW-8	Bladder	13.1	7	13.5-23.5	19

NOTES:

- Pump intake is generally placed at the center of the saturated well screen in a typical 10-foot screen length well that intersects the water table. Modifications may be required when the water table is above the top of the well screen, for wells with saturated screened lengths greater than 10 feet, and for wells screened across the till interface. The five pump placement categories for GMA 4 are listed below. If the actual depth to water varies significantly from the average values provided above, the pump intake depth is re-assessed in the field and placed accordingly.
  - <u>Mid-Column</u> Well screen straddles water table and is placed entirely above or below till interface, and less than 10 feet of water is typically present. Therefore, pump intake is located at mid-point between water surface and base of well.
  - <u>Mid-Screen:</u> Well screen is positioned below the water table and is placed entirely above or below till interface. Therefore, pump intake is to be located at mid-point of the well screen.
- <5 ft Below Water Well screen straddles water table and is placed entirely above or below till interface, and greater than 10 feet of <u>Table</u>: water is typically present. Therefore, the pump intake is located five feet or less below the water surface.

<u>Above Till</u> Well screen crosses till interface and water table is present above till surface. Therefore, pump intake is located <u>Interface</u>: just above till interface to facilitate pumping from more permeable upper unit.

- <u>Near Till</u> Well screen crosses till interface and water table is present near till surface. Therefore, pump intake is to be <u>Interface</u>: located just above till interface (if sufficient water is present), or as close to till interface as possible if water levels draw down to below that depth during pumping.
- 2. Sampling of these two wells is to be conducted on an annual basis, alternating between the spring and fall seasons each year. This schedule began with the spring 2004 event and the second scheduled interim sampling event was performed in fall 2005.

#### Table B-2 Summary Of Historical Groundwater Sampling Methods

#### Groundwater Management Area 4

Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well		Sampling Method												
Number	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Sprin 2008	
78-1	PP/BA	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	
	Fall 2002: W	all 2002: Water became more turbid during sample collection.												
78-6	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	
	Fall 2007: Lo Fall 2002: P0							hile filling						
GMA4-6										PP	PP	PP	PP	
H78B-15	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PF	
H78B-16	Spring 2006: Fall 2002: Tu PP/BA	urbidity mete PP	r malfunction PP	. Samples vi PP	PP	NS	NS	PP	PP			PP	PP	
H78B-17R	BP	PP	BP	BP	BP	NS	NS	BP	BP			BP	PP	
	Fall 2002: Di	ssolved oxy	gen meter ma	alfunction.										
OPCA-MW-3	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BF	
OPCA-MW-4	PP	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PF	
	Fall 2002: Well dried during sample collection. Sampling completed after recharge.													
OPCA-MW-5R	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	BF	
	Fall 2002: W										1		-	
OPCA-MW-6	PP/BA	PP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BF	
	Fall 2007: Not enough water in well to operate bladder pump, switched to geopump Spring 2003: Proposed to use a submersible pump; however, the depth to water allowed for the use of a bladder pump. Fall 2002: Very low flow rate needed to maintain water levels (two days needed to collect samples).													
OPCA-MW-7	PP/BA	NS	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PF	
	Fall 2006: Ex Spring 2006:	PP/BA       NS       PP       PP												

#### Table B-2 Summary Of Historical Groundwater Sampling Methods

#### Groundwater Management Area 4

Groundwater Quality Monitoring Interim Report For Spring 2008 General Electric Company - Pittsfield, Massachusetts

Well Number		Sampling Method											
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008
OPCA-MW-8	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
	Fall 2007: Pu	ump off due	to battery. W	ell went dry,	sampled afte	r rechargin th	he following a	day.				-	
UB-MW-5	NS	NS	NS	NS	PP	NS	PP	PP	PP				
	Spring 2006: Fall 2005: W parameter an Spring 2005: Fall 2004: W Fall 2003: W Spring 2003: Fall 2002: W Spring 2002:	ell ran dry de nalyzed Well dried u ell dried up d ell dry - no s Well dry - n ell dry - no s	uring purging up during san during purgin ample collec o sample col ample collec	. Several vis npling on 4/5, g and did not ted. lected. ted.	its over seve	n different da al samples v	ays were req vere collecte	uired to colle		oriate sample	volume for eac	ch	

NOTES:

1. BP - Bladder Pump

2. PP - Peristaltic Pump

3. BA - Bailer

4. PP/BA - Peristaltic Pump with bailer used for VOC sample collection

5. NS - Not Sampled

6. RFP - Removed From Program

### GROUNDWATER SAMPLING LOG

Well N	. 78-	l		:	Site/GMA Nam	· GMA 4	GE F	2ittsfield			
Key N					pling Personne		DRA				
PID B	ackground (ppr	n)			Dat	· 4/22/	08				
Well H	leadspace (ppr	n) <u>~</u>			Weathe	r <u>sonny</u>	SD's				
	,					'					
WELL INFO							Sample Time	0950			
	nce Point Marke			Ground	ļ		Sample II				
Height	of Reference Pol		Meas. From				Duplicate I		- 11100		
<b>6</b>	Well Diamet			(			MS/MSI		s/MSD_		
Screen Interval Depth 8-23 Meas. From Ground Split Sample ID/											
•	Weil Dep			•		Required	Analytica	I Parameters;	Collected		
Length	of Water Colum	111				(×)		Standard List)	(×)		
Volum	e of Water in W		llone			(´)	VOCs (E	Expanded List)	()		
Intake Dept	h of Pump/Tubir	19 <u>14</u> "	Meas. From	TIC		(*)	S	VOCs	(×)		
						° ( )	PCBs	(Unfiltered)	(´)		
Reference Po	pint Identification	:				(X)	PCB	s (Filtered)	( 🗙 )		
•	nner (PVC) Casi	-				( )	Metals/inorg	anics (Unfiltered)	()		
•	Outer (Protectiv	, ,				( 🗡 )		ganics (Filtered)	( 🗙 )		
Grade/BGS:	Ground Surface	1				()	-	ide (Unfiltered)	()		
Redevelop?						() (X)	•	nide (Filtered) nide (Filtered)	$(\mathbf{x})$		
Kedevelop :	' U					-	•	Ds/PCDFs			
						(X) ()		s/Herbicides	(,, )		
						()		Attenuation	()		
EVACUATION		N				( 13)		(Specify)	$(\mathbf{X})$		
1	Pump Start Time	0907	-				SUN	Rice			
I	Pump Stop Time	1140	-		Evacuation Me	ethod: Bailer (	) Bladder I	Pump ( )·			
Min	utes of Pumping		_		Peristaltic Pun	np_(X) Su	bmersible Pump (	) Other/Spe	ecify ( )		
	Water Removed		سلا		Pump Type: DEORDAP 2						
<b></b>	id Well Go Dry?	Y (N)		Same and service	Samples colle	cted by same me	thod as evacuatio	n? (Y) N (speci	fy)		
	Water Quality I	Meter Type(s) / S	erial Numbers:	451 550 40ch	HPS ZIDOP		BHOZZO	AC			
	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP		
Time	Rate	Gailons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)		
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*		[10 mV]*		
0910	200	0.16	8,20		~	-	11	-	-		
0915	200	0.42	8.32	9.05	6.31	0.815	7	1.76	255.9		
0930	200	0.69	8.43	8.35	6.16	0.810	7	0,97	256.3		
0925	200	0.95	8:46	8.46	6.17	0.808	7	0.81	255.6		
0930	200	1.22	8.62	8.38	6.04	0.508	7	0.70	275.1		
0935	200	1-48	8.71	8,26	5,96	0.507	5	0.67	276.5		
0940	200	1-75	8.78	8.79	5.98	0.506	6	0,64	211'3		
0945	200	2.01	8,84	8,14	6.03	0.806	5	0.62	276.8		
	The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.										
			-	A A	<u> </u>	<u></u>		. )-			
	shadec		<u> </u>	cell,		set-up	intosh	ave			
- Inchial	1 prge	clear,	no not	icable	odor			<u></u>			
	~										

Thomas the Field Sampling Coordinator:

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PAGE \_\_ OF 2

### GROUNDWATER SAMPLING LOG

Key N	018-6				Site/GMA Nan	ne 10-1-	, GMA L	-1 (7K +1	Hts field
L/4 14				 San	npling Personn		DEA		131010
PID Ba	ackground (pp	m)			Da	1.1	108		·····
Well H	leadspace (pp	m)			Weath	Sunni	1 Ledis.		
WELL INFO	RMATION					<u></u>		• 13:00	
	nce Point Marke	d? Y N					Sample Tim		
	of Reference Po		Meas. Fro	m			•	D GMA 4 1	$\overline{\alpha}$
	Well Diame	11	100005.1110				MS/MSi		
Scre	een Interval Der	1	Meas. Fro	m Ground			Split Sample II		
v	Vater Table Dep	xh 7.41		m TIL			abut asutha u		
	Well Dep		4 Meas. Froi	m		Required	Analytic	al Parameters;	Collected
	of Water Colun					( <b>X</b> )	VOCs (	Standard List)	(X)
		ell 6.42 9	<u>el</u> lons			(Č)	VOCs (I	Expanded List)	()
Intake Depti	h of Pump/Tubir	ng/O'	Meas. From	n //6		· (X)	5	SVOCs	(X)
						( <b>'</b> ))		(Unfiltered)	( )
	pint Identification	-				$(\mathbf{X})$		s (Filtered)	(X)
-	nner (PVC) Casi Outer (Protectiv	-						panics (Unfiltered)	()
-	Ground Surface					$(\mathbf{x})$		ganics (Filtered) nide (Unfiltered)	( <b>X</b> )
							-	anide (Filtered)	()
Redevelop?	Y (N)					$(\mathbf{x})$		inide (Filtered)	()
	•					$\langle \mathbf{x} \rangle$	-	Ds/PCDFs	(x) (X)
						$\langle \uparrow \rangle$	Pesticide	es/Herbicides	( <b>X</b> )
						( )	Natural	Attenuation	()
	I INFORMATIO					(X)	Other	(Specify)	$(\boldsymbol{X})$
	Pump Start Time				_			1Rice	
	Pump Stop Time utes of Pumping		<del></del>			ethod: Bailer	• •	Pump ()	
	utes of multipling	173			Peristaltic Pur	np(X) Si	ubmersible Pump (	) Other/Sn	
VOLUMA Of V	Nater Removed	~~	·		Dump Tupo			() Galei, op	ecify ( )
	Nater Removed id Well Go Dry?		-nl			GEOPUM	p 2		
Di	id Well Go Dry?			Y41 55	Samples colle	CEOPUM	စု <b>೭</b> ethod as evacuatio	n? (Y) N (spec	ify)
Di	id Well Go Dry?		CAL Serial Numbers:	<u>Y31 55</u>	Samples colle	CEOPUM	စု <b>೭</b> ethod as evacuatio	n? (Y) N (spec	
Di	id Well Go Dry? Water Quality f	Y N Meter Type(s) / S Total	Serial Numbers:	Temp.	Samples colle	CEOPUM	စု <b>೭</b> ethod as evacuatio	n? (Y) N (spec	ify)
Di	id Well Go Dry? Water Quality I Pump Rate	Y N Meter Type(s) / S Total Gailons	Serial Numbers: Water Level	Temp. (Celsius)	Samples colle	GEORDON cted by same m O3 CO3 Sp. Cond. (mS/cm)	p 2 ethod as evacuatio 392 AE Turbidity (NTU)	n? (Y) N (speci <u>العدل i</u> DO (mg/l)	ify) 2/00 P Ture ORP (mV)
Di	id Well Go Dry? Water Quality f	Y N Meter Type(s) / S Total	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples colle	GEOPUM cted by same m O3 CO3 Sp. Cond.	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (speci Hach i DO	ity) 2/00 P Ture ORP
Di Time 045	id Well Go Dry? Water Quality f Pump Rate (L/min.)	Y N Meter Type(s) / S Total Gallons Removed	Serial Numbers: Water Level	Temp. (Celsius)	Samples colle	GEORDON cted by same m O3 CO3 Sp. Cond. (mS/cm)	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]* 570	n? (Y) N (speci <u>العدل i</u> DO (mg/l)	ify) 2/00 P Ture ORP (mV)
Di Time 045 0:50	id Well Go Dry? Water Quality I Pump Rate	Y N Meter Type(s) / S Total Gallons Removed 	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples colle	Geogomy cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (speci <u>العدل i</u> DO (mg/l)	ify) 2/00 P Ture ORP (mV)
Di Time 1045 10:50	id Well Go Dry? Water Quality I Rate (L/min.)  250 200	Y N Meter Type(s) / S Total Gallons Removed O. S 3 O. 7 9	Serial Numbers: Water Level (ft TIC) 7, 67 7, 7	Temp. (Celsius) [3%]*	Samples colle	Geogomy cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]* STO -	n? Y N (speci Hach i DO (mg/l) [10% or 0.1 mg/l]*	ify) 2/00 P Ture ORP (mV)
Time 1045 10:50 10:55 11:00	id Well Go Dry? Water Quality / Rate (L/min.) 	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.29 /.06	Serial Numbers: Water Level (ft TIC) 7, 62 7, 7 - 7,99	Temp. (Celsius) [3%]*    8.67	Samples colle <u>6 MP5</u> pH [0.1 units]* - - - - - - - - - - - - -	Geogomy cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*	е <u>2</u> ethod as evacuatio 392 <u>AE</u> Turbidity (NTU) [10% or 1 NTU]* 570 2-3 - - -	n? Y N (speci Hach i DO (mg/l) [10% or 0.1 mg/l]*	ify) 2/00 P Ture ORP (mV)
Time 1045 10:50 10:55 11:00	id Well Go Dry? Water Quality I Rate (L/min.)  250 200 200	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.79 1.06 1.32	Serial Numbers: Water Level (ft TIC) 7, 62 7, 1 - 7, 99 7, 99 7, 90	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Samples colle <u>6 MP5</u> pH [0.1 units]* <u>-</u> <u>6,86</u> <u>6,91</u>	GEORUM cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*          -	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]* 570 24 - 24 -	n? (Y) N (speci Hach i DO (mg/l) [10% or 0.1 mg/l]*             	ify) 2/00 P Ture ORP (mV) [10 mV]* - - - - - - - - - - - - -
Time 1045 10:50 10:55 11:00 11:05	id Well Go Dry? Water Quality / Rate (L/min.) 	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.29 /.06	Serial Numbers: Water Level (ft TIC) 7, 62 7, 7 - 7,99	Temp. (Celsius) [3%]*    8.67	Samples colle <u>6 MP5</u> pH [0.1 units]* - - - - - - - - - - - - -	GEORDOM           cted by same m           O3 CO3           Sp. Cond.           (mS/cm)           [3%]*           -	е <u>2</u> ethod as evacuatio 392 <u>AE</u> Turbidity (NTU) [10% or 1 NTU]* 570 2-3 - - -	n? (N (speci Hach i DO (mg/l) [10% or 0.1 mg/l]*	ify) 2/00 P Ture (mV) [10 mV]* - - - - - - - - - - - - -
Time 1045 10:50 10:55 11:00	id Well Go Dry? Water Quality I Rate (L/min.)  250 200 200	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.79 /.06 /.32 /.59 /.85	Serial Numbers: Water Level (ft TIC) 7,62 7,152 7,99 7,99 7,99 8,20 8,26 8,25	Temp. (Celsius) [3%]* - - - - 8.67 - 8.54	Samples colle <u>6 MP5</u> pH [0.1 units]* <u>-</u> <u>6,86</u> <u>6,91</u>	GEORUM cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*          -	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]* 570 24 - 24 -	n? (Y) N (speci Hach i DO (mg/l) [10% or 0.1 mg/l]*             	ify) 2/00 P Ture ORP (mV) [10 mV]* - - - - - - - - - - - - -
Time 1045 10:50 10:55 11:00 11:05 11:10	id Well Go Dry? Water Quality / Rate (L/min.)  250 200 200 200	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.79 1.06 1.32 1.59	Serial Numbers: Water Level (ft TIC) 7, 62 7, 71 - 7,99 7,99 8,20 8,26	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Samples colle 6 MP5 pH [0.1 units]*  6.786 6.91 6.96	<u>Geoquina</u> cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*   2.019 2.019 2.019 3.014	ethod as evacuatio 392 AE Turbidity (NTU) [10% or 1 NTU]* 570 24 - 24 -	n? N (speci <u>Hach</u> DO (mg/l) [10% or 0.1 mg/l]*          -	ify) 2/00 P Ture (mV) [10 mV]* 
Time 1045 10:50 10:55 11:00 11:05 11:10 11:15 11:20	id Well Go Dry? Water Quality / Rate (L/min.)  250 200 200 200 200 200 200 200	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.29 /.06 /.32 /.59 /.85 2.12	Serial Numbers: Water Level (ft TIC) 7, 62 7, 10 7, 99 7, 99 7, 99 7, 99 7, 99 8, 20 8, 26 8, 30	Temp. (Celsius) [3%]*             	Samples colle 6 MP5 pH [0.1 units]*  6.186 6.91 6.96 6.97 6.96	GEORUM cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*   2.019 2.019 3.014 2.004 1.990	e 2 ethod as evacuation 392 AE Turbidity (NTU) [10% or 1 NTU]* 5% 2% 2% 4% 17 15 17 15 15	n? (PN (spec) Hach i DO (mg/l) [10% or 0.1 mg/l]*          -	ity) 2/00 P Ture (mV) [10 mV]* - - - - - - - - - - - - -
Time 045 0:50 0:55 11:00 11:05 11:15 11:15 11:15 11:15 11:20	id Well Go Dry? Water Quality / Rate (L/min.)  250 200 200 200 200 200 200 200	Y N Meter Type(s) / S Total Gallons Removed 0.53 0.29 /.06 /.32 /.59 /.85 2.12	Serial Numbers: Water Level (ft TIC) 7,62 7,162 7,10 7,99 7,99 7,99 8,20 8,26 8,26 8,30 ar (three consect	Temp. (Celsius) [3%]*             	Samples colle 6 MP5 pH [0.1 units]*  6.186 6.91 6.96 6.97 6.96	GEORUM cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*   2.019 2.019 3.014 2.004 1.990	e 2 ethod as evacuation 392 AE Turbidity (NTU) [10% or 1 NTU]* 570 24 - 24 - 34 - 17 15 17	n? (PN (spec) Hach i DO (mg/l) [10% or 0.1 mg/l]*          -	ify) 2/00 P Ture (mV) [10 mV]* 
Time 045 0:50 0:55 11:00 11:05 11:15 11:15 11:15 11:15 11:20	id Well Go Dry? Water Quality / Rate (L/min.)  250 200 200 200 200 200 200 200	Y Neter Type(s) / S Total Gallons Removed 0.53 0.79 1.06 1.32 1.59 1.85 2.12 ch field parameter	Serial Numbers: Water Level (ft TIC) 7,62 7,162 7,10 7,99 7,99 7,99 8,20 8,26 8,26 8,30 ar (three consect	Temp. (Celsius) [3%]*             	Samples colle 6 MP5 pH [0.1 units]*  6.186 6.91 6.96 6.97 6.96	GEORUM cted by same m O3 CO3 Sp. Cond. (mS/cm) [3%]*   2.019 2.019 3.014 2.004 1.990	e 2 ethod as evacuation 392 AE Turbidity (NTU) [10% or 1 NTU]* 5% 2% 2% 4% 17 15 17 15 15	n? (PN (spec) Hach i DO (mg/l) [10% or 0.1 mg/l]*          -	ify) 2/00 P Ture (mV) [10 mV]* 

SAMPLE DESTINATION Laboratory: 565 Delivered Via: UPS Airbill #: -

Field Sampling Coordinator:

2799

Page 1 of 2

### **GROUNDWATER SAMPLING LOG**

Well No. 78-6

78-6, GMAY GE PITTEFIELD Site/GMA Name Sampling Personnel Date

Weather SUDING 603

107

DRA

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/i) [10% or 0.1 mg/i]*	ORP (mV) [10 mV]*
11:25	ာထ	Z.38	8.30	8.22	7.00	1974	14	0.39	- 36.5
11:30	200	2.64	\$.30	8.23	6.99	1.961	16	0.85	- 37.0
11:35	300	2.91	8.30	8.28	7.00	1.946	15	0.75	-38.0
11:40	200	3-17	1.30	8.15	6.99	1.929	15	0.71	- 38,3
11:45	300	3.44	8.30	8.27	6.98	1.919	12	0.70	- 38.2
11:50	300	3.70	8.30	8.33	6.95	1.899	13	0.65	- 38.3
11:55		3.96	8.28	8.39	696	1.893	13	0.68	-38.6
12:00	BECIN	Same	LINX						
				·····					
			1	·····					
	·····								
		<u> </u>	·····	-					
			ļ	1					

\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

NOTICEABLE ODORS

WITTIGE PORCE CONTAINED	ORANCE	PARTICULATES	
FINAL PURCE LIAS CLEAR	L		

G:VGEVGE\_Pittsfield\_General/Reports and Presentations/FSP-QAPP 2007/Vol #184711324AppxD-AttaD-2.ds Page 2 of 2

### **GROUNDWATER SAMPLING LOG**

		<u>A4-6</u>			Site/GMA Nam		Pittsfiel	d GMA	4
Key N				San	pling Personn		<u>/ KAB</u>		
PID B	ackground (pp	m)			Dat		ZI 108	<u>ð</u>	
Well ł	Headspace (pp	m)		· · ·	Weathe	er <u> </u>	ny Lt	Breeze	Hid 60
WELL INFO	RMATION	-					Sample Tim	· 1204	
Refere	nce Point Marke	d? (Y) N		Ground			Sample I	- GMA 4-1	6
Heiaht	of Reference Po	int - 64	Meas. Fro				Duplicate II		
	Well Diame						MS/MSI		
Scr	een Interval Dep	the second s	Meas Fro	m Grown	٢		Split Sample II	····	
	Nater Table Der	0.00	7 Meas. Froi				opin ourripio n		
	Well Dep		8 Meas. From			Required	Analytic	al Parameters;	Collecte
Lenath	of Water Colum	7 04	3			$(\mathbf{X})$		Standard List)	()()
-	e of Water in W		5				,	Expanded List)	( <b>)</b>
	th of Pump/Tubi	11 6	Meas From	TIC		( <b>x</b> ar)	•	SVOCs	
		··•				$(\lambda)$		(Unfiltered)	( <b>)(</b> )
Reference Pr	oint Identification	P.					•	s (Filtered)	
	nner (PVC) Cas					$(\boldsymbol{\lambda})$		anics (Unfiltered)	$(\mathbf{X})$
-	Outer (Protectiv	-				. ,	-	ganics (Filtered)	()
•	Ground Surface					$(\boldsymbol{\lambda})$		nide (Unfiltered)	(X)
	Croane Ounave	•					•	nide (Unilitered) anide (Filtered)	()
edevelop?	Y					() ( <b>)</b>	-	inide (Filtered) inide (Filtered)	() ()()()
						$(\mathbf{X})$		Ds/PCDFs	( <b>)</b>
			مار						( <b>X</b> )
		600.	NOTE					es/Herbicides Attenuation	()
VACUATION		N See	note 1050			() ( <b>)</b>		r (Specify)	()
	Pump Start Time	LARS	1050			( <b>X</b> )	Diaxing		(火)
	Pump Start Time	1205	•		Eucleveller M	othodi Dollar (		1 varjac	
	utes of Pumping				Evacuation M		•	Pump ( )	
							hannahila Duana	( ) Others(C)	
			•		Peristaltic Pun	· · · · ·	Ibmersible Pump		ecify ( )
Volume of	Water Removed	5.02 N	ب بر 		Pump Type:	Geop	ump 2		
Volume of		5.02. 14	* <u>}</u> *		Pump Type:	Geop	· · ·		
Volume of	Water Removed Did Well Go Dry?	5.02 N		HACH	Pump Type: Samples colle	Cted by same me	$\frac{u_{mp}}{2}$	n? (Y) N (spec	
Volume of	Water Removed Did Well Go Dry? Water Quality	Meter Type(s) / 5	Serial Numbers	P-2-100	Pump Type: Samples colle	CEOP cted by same me IDME TI 6 MPS	ethod as evacuation	n? (Y) N (speci J 94110c Z30 AC	ity) 20065
Volume of D	Water Removed Did Well Go Dry? Water Quality Pump	Meter Type(s) / S	Serial Numbers Water	Temp.	Pump Type: Samples colle	Creed by same me IDMETI 6 MPS 5p. Cond.	thod as evacuation	n? (Y) N (spec) ) 94116c 230 AC   DO	ify) >>> 0 (0 5
Volume of	Water Removed bid Well Go Dry? Water Quality Pump Rate	Meter Type(s) / S Total Gallons	Serial Numbers Water Level	Temp. (Celsius)	Pump Type: Samples colle	Creop cted by same me ibmE bmE bmE bmE bmC bmC bmC bmC bmC bmC bmC bmC bmC bmC	thod as evacuation	n? (Y) N (speci ) 94116c 230 AC   DO (mg/l)	ify) <u> </u>
Volume of D	Water Removed Did Well Go Dry? Water Quality Pump	Meter Type(s) / S	Serial Numbers Water Level (ft TIC)	Temp.	Pump Type: Samples colle <u>TUPF</u> <u>SSSS</u> pH [0.1 units]*	Creed by same me IDMETI 6 MPS 5p. Cond.	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (spect ) 94     GC 2-30 AC   DO (mg/l) [10% or 0.1 mg/l]*	ify) <u>→</u> ひ (05 ORP (mV) [10 mV]*
Volume of C	Water Removed bid Well Go Dry? Water Quality Pump Rate	Meter Type(s) / S Total Gallons	Serial Numbers Water Level	Temp. (Celsius)	Pump Type: Samples colle	Creop cted by same me ibmE bmE bmE bmE bmC bmC bmC bmC bmC bmC bmC bmC bmC bmC	thod as evacuation	n? (Y) N (speci ) 94116c 230 AC   DO (mg/l)	ify) <u> </u>
Volume of T Time	Water Removed bid Well Go Dry? Water Quality Pump Rate M(L/min.)	Meter Type(s) / S Total Gallons	Serial Numbers Water Level (ft TIC) 8,94 8,94	Temp. (Celsius)	Pump Type: Samples colle <u>TUPF</u> <u>SSSS</u> pH [0.1 units]*	Cted by same me Cted by same me C MPS Sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (spect ) 94     GC 2-30 AC   DO (mg/l) [10% or 0.1 mg/l]*	ify) <u>→</u> ひ (05 ORP (mV) [10 mV]*
Volume of C	Water Removed bid Well Go Dry? Water Quality Pump Rate	Meter Type(s) / S Total Gallons Removed	Serial Numbers Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples colle <u>TUPF</u> <u>SSSS</u> pH [0.1 units]*	Cted by same me Cted by same me C MPS Sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (spect ) 94     GC 2-30 AC   DO (mg/l) [10% or 0.1 mg/l]*	ify) C (05 ORP (mV) [10 mV]*
Volume of T Time	Water Removed bid Well Go Dry? Water Quality Pump Rate M(L/min.)	Meter Type(s) / S Total Gallons	Serial Numbers Water Level (ft TIC) 8,94 8,94	Temp. (Celsius)	Pump Type: Samples colle <u>TUPF</u> <u>SSSS</u> pH [0.1 units]*	Cted by same me Cted by same me C MPS Sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (Y) N (spect ) 94     GC 2-30 AC   DO (mg/l) [10% or 0.1 mg/l]*	ify) C (05 ORP (mV) [10 mV]*
Volume of T Time	Water Removed bid Well Go Dry? Water Quality Pump Rate M(L/min.) 150 125	$\frac{5.0_{2h}}{Y}$ Meter Type(s) / S Total Gallons Removed $$ 0.17 0.38	Serial Numbers Water Level (ft TIC) 8,94 8,94	2-100 Temp. (Celsius) [3%]* 	Pump Type: Samples colle <u>TURR</u> <u>752 55</u> pH [0.1 units]*	Creep cted by same me ISME TI G MPS Sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (P) N (speci ) 941100 230 AC (mg/l) [10% or 0.1 mg/l]*    1.50	ify) C (05 ORP (mV) [10 mV]*
Volume of T Time	Water Removed bid Well Go Drya Water Quality Pump Rate M(L/min.) 150 125 100	$\frac{5.0_{2h}}{Y}$ Meter Type(s) / S Total Gallons Removed $$ 0.17 0.38 0.51	Serial Numbers Water Level (ft TIC) 8,94 8,94 8,91 8,91 8,91	2-100 Temp. (Celsius) [3%]* 	Pump Type: Samples colle <u>TUPF</u> <u>SSSS</u> pH [0.1 units]*	Creep cted by same me ISME TI G MPS Sp. Cond. (mS/cm) [3%]*	$\frac{2}{7}$	n? (Y) N (spect ) 94     GC 2-30 AC   DO (mg/l) [10% or 0.1 mg/l]*	ify) C (05 ORP (mV) [10 mV]*
Volume of T Time	Water Removed bid Well Go Drya Water Quality Pump Rate M(L/min.) 150 125 100	$\frac{5.0_{2h}}{Y}$ Meter Type(s) / 5 Total Gallons Removed $$ 0.17 0.38 0.51 0.65	Serial Numbers Level (ft TIC) 8,94 8,94 8,91 8,91 8,91 8,91 8,91	2400 Temp. (Celsius) [3%]*             	Pump Type: Samples colle <u>TURR</u> <u>752 55</u> pH [0.1 units]*	$c_{c}c_{c}c_{c}c_{c}c_{c}c_{c}c_{c}c_{c$	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	n? (P) N (speci ) 941100 230 AC (mg/l) [10% or 0.1 mg/l]*    1.50	ify) C (05 ORP (mV) [10 mV]*
Volume of T Time	Water Removed bid Well Go Drya Water Quality Pump Rate M(L/min.) 150 125 100	$ \frac{5.0_{2h}}{Y} \frac{K_{1}}{N} $ Meter Type(s) / S Total Gallons Removed $$ 0.17 0.17 0.38 0.51 0.65 0.65 0.86	Serial Numbers Water Level (ft TIC) 8,94 8,94 8,91 8,91 8,91	2-100 Temp. (Celsius) [3%]* 	Pump Type: Samples colle <u>TURR</u> <u>752 55</u> pH [0.1 units]*	Creep cted by same me ISME TI G MPS Sp. Cond. (mS/cm) [3%]*	$\frac{2}{7}$	n? (P) N (speci ) 941100 230 AC (mg/l) [10% or 0.1 mg/l]*    1.50	fy) CO (05) ORP (mV) [10 mV] - - 212.4 197.5 - 195.8
Volume of C	Water Removed bid Well Go Drya Water Quality Pump Rate M(L/min.) 150 125 100 120 125 125	$\frac{5.0_{2h}}{Y}$ Meter Type(s) / S Total Gallons Removed $$ 0.17 0.38 0.51 0.65 0.86 /.03	Serial Numbers Level (ft TIC) 8,94 8,91 8,91 8,91 8,91 8,91	2100 Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle TURR SSSS pH [0.1 units]* - 6.52 6.52 6.60 - 6.71 6.77	$\begin{array}{c} \hline \begin{array}{c} \hline \begin{array}{c} \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} $ \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array} \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array} \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array} \\ \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline \end{array} \\ \\ \end{array}  \\ \hline \end{array}  \\ \hline \end{array} \\ \end{array} \\ \\ \end{array}  \\ \hline \end{array}  \\ \hline \\ \end{array}  \\ \hline \\ \end{array} \\ \\ \end{array}  \\ \hline \\ \end{array}  \\ \hline \\ \end{array} \\ \\ \end{array}  \\ \hline \\ \end{array}  \\ \hline \\ \end{array} \\ \end{array} \\ \\ \end{array}   \\ \hline \\ \end{array}  \\ \hline \end{array} \\ \end{array} \\ \end{array} \\ \end{array}   \\  \\	$\frac{2}{2}$	n? (spec) 394110c 230AC 00 (mg/l) $(10\% or 0.1 mg/l)^{-}$ - - 1.50 0.81 - 1.15 3.42	ify) C (05 ORP (mV) [10 mV]*
Volume of C Time 035 050 055 103 103 103 103 103 103 103 103 103 103	Water Removed bid Well Go Dry Water Quality Pump Rate M(L/min.) 150 125 100 100 125 125 125 125	Meter Type(s) / S Y (N) Meter Type(s) / S Total Gallons Removed  0.17 0.38 0.51 0.69 0.86 1.03 ch field parameter	Serial Numbers Water Level (ft TIC) 8,94 8,94 8,91 8,91 8,91 8,91 8,91 8,91 8,91 8,91	2100 Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 7UPR 5555 pH $[0.1 units]^*$ - 6.52 6.52 6.60 - 6.71 6.71 6.77 ollected at 3- to	$c_{ecc}$ $c_{ecc}$	thod as evacuation Turbidity (NTU) (10% or 1 NTU)* 23 7-3 14 9 14 14 9 14 14 14 14 14 14 14 14 14 14	n? (P) N (spec) ) $941100$ (mg/l) [10% or 0.1 mg/l]*          -	fy) CO (05) ORP (mV) [10 mV] - - 212.4 197.5 - 195.8
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Well No. GMA4-6

Site/GMA Name Sampling Personnel Date

GE Pittsfield GMA-4 API RAB Breezy High 60s Weather

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TiC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1130	125	1.19	8.91	9.00	6.74	0.956	4	0.66	177.0
1135	125	1.36	8.91	8.87	6.69	0.960	3	0.64	177.0
1140	125	1.52	8.91	8.94	6.72	0.960	2	0.56	172.5
1145	125	1.69	8.91	9.22	6.72	0.956	2	0.52	166.2
1150	125	1.85	8.91 8.91	9.42	6.70	0.959	1	1.55	163.8
1155	-+57125	20.5	8.91	9.62	6.84	0.961	1	0.44	154.4
1158	125	2.12	8.91	9.01	6.70	0.964	1	0.38 0.36	154.7
1201	125	2.2.2	8.91	9.01	6.69	0.962	1	0.36	153.6
1204	125	2.32	8.91	8.99	6.68	0.962		0.37	151.4
	San	pled®	1204						
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\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. OBSERVATIONS/SAMPLING METHOD DEVIATIONS <u>1145 - Notect water famp increased</u> - course d all tability



78B-15 ₽F Well No. Site/GMA Name Key No. Sampling Personnel PID Background (ppm) Date Well Headspace (ppm) Weather nid-705 Veeza WELL INFORMATION Sample Time  $(\mathbf{v})$ Reference Point Marked? N Sample ID Runo Height of Reference Point 2 Meas. From Duplicate ID Well Diameter MS/MSD Meas. From Araun Screen Interval Depth Split Sample ID Water Table Depth Meas. From Well Depth Meas. From Required Analytical Parameters: Collected 2.79 Length of Water Column  $\langle \mathbf{X} \rangle$ VOCs (Standard List)  $(\mathbf{X})$ Volume of Water in Well 0.11 941107 VOCs (Expanded List) t ) ¢ ) <del>15</del>-4. 4 Meas. From <u>T/C</u> SVOCs Intake Depth of Pump/Tubing γ X ) PCBs (Unfiltered) Reference Point Identification: (X) PCBs (Filtered) (X) TIC: Top of Inner (PVC) Casing Metals/Inorganics (Unfiltered) ) TOC: Top of Outer (Protective) Casing Metals/Inorganics (Filtered)  $(\mathbf{X})$ (X⊃) Grade/BGS: Ground Surface Total Cyanide (Unfiltered) Total Cyanide (Filtered) Redevelop? Y (N) PAC Cyanide (Filtered)  $(\mathbf{X})$  $(\mathbf{X})$ PCDDs/PCDFs × Pesticides/Herbicides Natural Attenuation EVACUATION INFORMATION Sulfice  $(\mathbf{X})$ t X **Pump Start Time** Pump Stop Time Bladder Pump ( ) Evacuation Method: Bailer () Minutes of Pumping Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( ) Volume of Water Removed 2 - SOgallons ح Pump Type: decoump Did Well Go Dry? Samples collected by same method as evacuation? (Y) N (specify) N Water Quality Meter Type(s) / Serial Numbers: 4514 03CO 392 AE Turbinter 94110000652 Hach 21001 #2 Pump Total Water Temp. pН Sp. Cond. Turbidity DO ORP (NTU) Gallons (Celsius) (mS/cm) Time Rate Level (mg/l) (mV) [10% or 0.1 mg/l]\* Afl/min. Removed (ft TIC) [3%]\* 10.1 unitsT [3%]\* [10% or 1 NTU]\* [10 mV]\* Q. 110 0.50 З 3 0.26 ٥. 6.40 0-53  $\mathcal{C}$ С L 0.66 0.79  $\mathcal{O}$ 0.92 1.06  $\boldsymbol{\mathcal{C}}$ 5 to 5-minute intervals) is listed in each column heading. The stabilization criteria for each field parameter (three consecutive readings **OBSERVATIONS/SAMPLING METHOD DEVIATIONS** ST @ 1310 ULCODI lieneter. mete nla IN SURGE WH low through Shadt We en Sampled SAMPLE DESTINATION Laboratory: 565 thing the Delivered Via: UPJ Airbill #: Field Sampling Coordinator

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	10. <u>470</u>	D-16			Site/GMA Nam	10 GMA	4 GE	Pittstiele	d
Key N	10. <u>FX</u> -	-37		Sar	npling Personn	el <u>JAB/</u>	RAR	/ -	
PID B	ackground (pp	om)			Dat		2210		
Well H	leadspace (pp	om)			Weathe	er Sunn	y Hod	SQ2	
WELL INFO	RMATION	-					• Sample Tim	· 1010	
Refere	nce Point Marke						Sample II		16
Height	of Reference Po	oint + 3,48	Meas, Fro	m GROU	wn		Duplicate II		
	Well Diame	14				,	MS/MSI		
Scr	een Interval De	oth 4-14	Meas. Fro	m BGS	Grand		Split Sample II		
	Water Table De	11 -177		m 77(	04.0000		opin outripio is		
	Well De		Meas. Fro			Required	Analytic	al Parameters:	Collected
Length	of Water Colu		7			(X)		Standard List)	
		/ell 0.2190	llon'			()		Expanded List)	$(\mathbf{X})$
	h of Pump/Tub	171		m TIC		()		SVOCs	(- )
									( )
Reference Pr	pint Identification	n <sup>.</sup>				• •		(Unfiltered)	( )
	nner (PVC) Cas					()		s (Filtered)	( )
•	Outer (Protection	-				()		anics (Unfiltered)	()
•	Ground Surface					()		ganics (Filtered)	()
Grade/BGS:	Ground Sunac	8				()		ide (Unfiltered)	()
Dedaualano						()	•	nide (Filtered)	()
Redevelop?						()		nide (Filtered)	()
						()	PCD	Ds/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural	Attenuation	()
	NINFORMATIO	075				()	Other	(Specify)	()
F	Pump Start Tim	• <u>7 7 7</u>	_						
F	Pump Stop Time	•_/ <u>0/5</u> _			Evacuation Me	ethod: Bailer (	) Bladder I	Pump ( )	
	utes of Pumping				Peristaltic Pun	np(🗶) Su	Ibmersible Pump (	) Other/Spo	ecify ( )
Volume of \	Water Remove	d <u>1.39ulli</u>	<u>2</u> 71		Pump Type:	Geo Pu	mpz		
Ð	id Well Go Dry	7 Y (N)			Samples colle	cted by same me	thod as evacuatio	n? 🖉 N (speci	fy)
	Motor Quelity	Matas Turada) / S		UCT T	FIND 4	7 1700	392AE	H-7 7. 1	
	water Quality	Meter Type(s) / S	Senal Numbers:	121-2;	JGMP #	2150	STARE	42 [urh] SIN 941	the state of the second
	Pump	Total	Water	Temp.	pH	Sa Cand	Trushtalla		100006523
Time	1 i amp	1 1 0 101	water	i amh	l hu	Sp. Cond.	Turbidity		
Tano	Rate	Gallone	Lovol	(Coleine)	1	(mR(am)	(117711)		ORP
1	Rate	Gallons	Level	(Celsius)	(0.1.unite)1	(mS/cm)	(NTU)	(mg/l)	(mV)
arc	Rate	Gallons Removed	Level (ft TIC)	(Celsius) [3%]*	[0.1 units]*	(mS/cm) [3%]*			1 1
925		Removed	1	[3%]*		[3%]*		(mg/l)	(mV)
925 930			1	[3%]*	[0.1 units]*	[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
925 930 935		Removed	1	[3%]*		[3%]*		(mg/l)	(mV)
925 930 935 940	125 125	Removed - 0.17	1	[3%]*		[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
925 930 935 940 945	125 125	Removed - 0.17 0.30	1	[3%]*		[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
925 930 935 940 945 950	125 125	Removed - 0.17 0.30 0.43	1	[3%]*		[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
925 930 935 940 945 950 955	125 125	Removed - 0.17 0.30 0.43 0.57	1	[3%]*		[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
925 930 935 940 945 945 950 955 1000	125 125	Removed - 0.17 0.30 0.43 0.57 0.57 0.70 0.83	1	[3%]*		[3%]" 		(mg/l) [10% or 0.1 mg/l]*	(mV)
930 935 935 940 945 950 955 1000	<u>v(Umin.)</u> 125 125 100 100 100 100 100 100	Removed            0.17         0.30         0.43         0.57         0.70         0.83         0.96	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1 11.37 11.32 11.32 11.20 11.29 11.34 11.45	- <u>caine thua</u> 6.67 6.68 6.69 6.71 6.71 6.59	1.177 1.177 1.177 1.177 1.172 1.172 1.160 1.158	10% or 1 NTUJ* 39 	(mg/l) [10% or 0.1 mg/l]* - 4.65 3.27 2.95 2.79 2.71 2.71 2.59	(mV)
	<u>v</u> (L/min.) /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.70           0.83           0.96	(ft TIC) 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1" 		[3%]" 		(mg/l) $[10\% \text{ or } 0.1 \text{ mg/l}]^{\circ}$ - 4.65 3.27 2.75 2.79 2.79 2.71 2.59 column heading.	(mV) [10 mV]*  157.9 157.7 158.9 158.0 158.6 158.6
930 935 935 940 945 950 955 1000 * The stabilization OBSERVATION	<u>v</u> (L/min.) /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.70           0.83           0.96	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
	<u>v(L/min.)</u> /25 /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           ch field parameter           METHOD DEVIA           COVENUM	(ft TIC) 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $[10\% \text{ or } 0.1 \text{ mg/l}]^{\circ}$ - 4.65 3.27 2.75 2.79 2.79 2.71 2.59 column heading.	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
	<u>v</u> (L/min.) /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
	<u>v(L/min.)</u> /25 /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
OBSERVATION ON West	<u>v</u> {L/min.} / 25 / 25 / 00 / 0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
OBSERVATION	V(L/min.) / 25 / 25 / 00 /	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
OBSERVATION	V(L/min.) /25 /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           Ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
OBSERVATION ON Wed SAMPLE DESTI	V(L/min.) /25 /25 /00 /00 /00 /00 /00 /00 /00 /0	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           Ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1"  11.37 11.32 11.32 11.20		[3%]"  1.203 1.189 1.189 1.177 1.177 1.172 1.160 1.158 5-minute interval	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1
OBSERVATION ON Wed SAMPLE DESTI Laboratory:	$\frac{(L/min.)}{25}$ $\frac{125}{100}$ $\frac{100}{100}$	Removed              0.17           0.30           0.43           0.57           0.57           0.70           0.83           0.96           Ch field parameter           METHOD DEVIA           COVENUM	(RTIC) 11.78 11.78 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76 11.76	13%1" 		[3%]"    	10% or 1 NTUJ* 39 	(mg/l) $10\% \text{ or } 0.1 \text{ mg/l}^{*}$ - 4.65 3.27 2.95 2.79 2.71 2.59 column heading. 2.59	(mV) [10 mV]*  157.7 157.7 158.0 158.0 158.6 158.6 159.1

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PAGE 202

Well No. <u>H78B-16</u>

SIKE/GMA Name GMAU GE Pittofield Sampling Personnel Date Weather annis

Mid

505

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallon <del>s</del> Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1003	100	1.04	11.76	11.44	6.69	1163	Z	2.52	159.6
1006	100	1.12	11.76	11.41	6.70	1.164	i	2.49	160.3
1009	100	1.20	11.76	11.42	6.69	1.162	1	2.49	161.3
				2/0/2					
		San	plact C	1010					
<u> </u>									
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					1				

\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. OBSERVATIONS/SAMPLING METHOD DEVIATIONS



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-	io	<u>v-s+</u>		Sam	pling Personne Dat	7.1	INAS		· · · · · · · · · · · · · · · · · · ·
	Headspace (pp			·	Weathe		y Lr Bree	me low 7	105
WELL INFO	RMATION						ł Sample Tim	. 1508	
Refere	nce Point Marke	d? (Ý) N		1			Sample II		R
Height	of Reference Po	$\operatorname{int} \underline{\approx}   \underline{\frown}$	Meas. From	n glaul			Duplicate II	)	
	Well Diame			0			MS/MSI	)	
Scr	een Interval Dep	th 14.3-2	3.6 Meas. Fror	n glound			Split Sample II	)	
١	Water Table Dep		Meas. Fror						
1	Well Dep	1000	) Meas. From	n _//C		Required		al Parameters:	Collecte
-	n of Water Colun ne of Water in W	<b>1</b>	11			( <b>X</b> )	-	Standard List)	
	th of Pump/Tubir	5-1	Meas. Fron	CONTRACT	TC.	()	-	Expanded List) SVOCs	()
		· · · · · · · · · · · · · · · · · · ·		0	-110	()		(Unfiltered)	
Reference Po	oint Identification	¢				()		s (Filtered)	()
TIC: Top of I	nner (PVC) Casi	ing				()	Metals/Inorg	anics (Unfiltered)	()
-	Outer (Protectiv		*			()	Metals/Inor	ganics (Filtered)	()
Grade/BGS:	Ground Surface	ł				()		nide (Unfiltered)	()
Dedension	v an					()	•	nide (Filtered)	()
Redevelop?	Y (N)					()	-	nide (Filtered)	()
								Ds/PCDFs es/Herbicides	()
								Attenuation	
EVACUATION		N				( )		(Specify)	()
1	Pump Start Time	1355	· · ·						
	Pump Stop Time				Evacuation Me	ethod: Bailer (	) Bladder	<sup>p</sup> ump ( )	
	utes of Pumping				Peristaltic Pur	ıp (Υ) Sι	Ibmersible Pump	) Other/Sp	ecify ( )
	Water Removed	2.0,1	ens		Pump Type:	Geo Pi	mp Z		
				(	0			- () H (	14. 1
L	Did Well Go Dry?	Y 🕖	a Sana di Kara	(#2)	Samples collect	cted by same me	athod as evacuatio	X	
			Serial Numbers:	(#2) YSI 556	Samples collect	cted by same me 3(,0392/	ethod as evacuation A.E. H.c.h.	X	
			Serial Numbers:	(#2) YSI 556	Samples collect		othod'as evacuatio AE H.ch	260 P Turb	
	Water Quality I	Meter Type(s) / S	Water	<u>YSI 556</u> Temp.	Samples collec <u> HP 5</u> <u> HP 5</u> <u> PH</u>	3 (_0392 / Sp. Cond.	E Hich	260 P Turb	10/10/00/07/00/00/00/00/00/00/00/00/00/00/00
Time	Water Quality I Pump Rate	Meter Type(s) / S Total Gallons	Water Level	YSI 556 Temp. (Celsius)	<u> µр 5/N03</u> рн	3 (() 3 9 2 4 Sp. Cond. (mS/cm)	E Hich Turbidity (NTU)	260 P Turb	1 dw. f. x 5/ 74110000 ORP (mV)
Time	Water Quality I Pump Rate 러(L/min.)	Meter Type(s) / S	Water Level (ft TiC)	<u>YSI 556</u> Temp.	HP S/NOZ	3 (_0392 / Sp. Cond.	E H.ch Turbidity (NTU) [10% or 1 NTU]*	260 P Turb	10/0000 1411/0000 ORP (mV)
Time  355	Water Quality / Pump Rate M(L/min.)	Veter Type(s) / S Total Gallons Removed	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)*	<u>рн</u> рн [0.1 units]*	3(.0392) Sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	260 P [urb (mg/l) [10% or 0.1 mg/l]*	1 dw. f. x 5/ 74110000 ORP (mV)
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Veter Type(s) / S Total Galions Removed 	Water Level (ft TiC)	YSI 556 Temp. (Celsius)	<u>рн</u> [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	E H.ch Turbidity (NTU) [10% or 1 NTU]*	260 P [urb (mg/l) [10% or 0.1 mg/l]*	10 mJcr 5/ 24110000 ORP (mV) [10 mV]*
Time  355	Water Quality / Pump Rate M(L/min.)	Meter Type(s) / 3 Total Gallons Removed 	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)*	<u>рн</u> рн [0.1 units]*	3(.0392) Sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	DO P [urb (mg/l) [10% or 0.1 mg/l]*	1 dw. f. x 5/ 74110000 ORP (mV)
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Veter Type(s) / 5 Total Galions Removed 	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)*	<u>рн</u> рн [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	<u>DO</u> (mg/l) [10% or 0.1 mg/l]*	10 mJcr 5/ 24110000 ORP (mV) [10 mV]*
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Meter Type(s) / 3 Total Gallons Removed 	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)*	<u>рн</u> рн [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	<u>DO</u> (mg/l) [10% or 0.1 mg/l]*	10 mJcr 5/ 24110000 ORP (mV) [10 mV]*
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Veter Type(s) / 5 Total Galions Removed 	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)*	<u>рн</u> рн [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	<u>DO</u> (mg/l) [10% or 0.1 mg/l]*	10 mfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59	Water Level (ft TiC)	YSI 556 Temp. (Celsius) [3%)* - No read 13.56 [3.56 [4.00 [3.93]	<u>рн</u> рн [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	<u>DO</u> (mg/l) [10% or 0.1 mg/l]*	10 mfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400	Water Quality / Pump Rate r1(L/min.) / Ö Ö / Ö O	Meter Type(s) / 3 Total Gallons Removed  0.13 0.26 0.36 (3,7 0.49 0.59 0.72	Water Level (ft TIC) 13.96 13.96 014.0 13.20 13.30	YSI 556 Temp. (Celsius) [3%)* - No read 13.56 [3.56 [4.00 [3.93]	<u>рн</u> рн [0.1 units]*	3(.0392) sp. Cond. (mS/cm) [3%]*	EH.ch Turbidity (NTU) [10% or 1 NTU]*	<u>DO</u> (mg/l) [10% or 0.1 mg/l]*	10 mfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1415 1420 1420 1420 1420 1420	Water Quality / Pump Rate r1(L/min.) 100 100 700 75 100 75 100 50	Veter Type(s) / 5 Total Galions Removed 	Water Level (ft TIC) 13.97 13.96 13.96 13.96 13.20 13.30 13.30 13.50	YSI 556 Temp. (Celsius) 13%)* - No read 13,56 14,00 13.93 13.09 13.09 13.09 13.22 11.61	HP 5/NO2 PH [0.1 units]*  17. 5500ple  7. 14 7. 14 7. 15 7. 17 7. 17 7. 17 7. 18	Sp. Cond. (mS/cm) [3%)* - (wat yet 1.368 1.363 1.364 1.369 1.369 1.369 1.369 1.373	E Hich Turbidity (NTU) (10% or 1 NTU)* 2 through Ce 3 2 2 1	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	10 mfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1415 1420 1420 1425 1430 The stabilization	Water Quality / Pump Rate r1(L/min.) 100 100 700 75 100 75 100 50	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) 13%)* - No read 13,56 14,00 13.93 13.09 13.09 13.09 13.22 11.61	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(vol yet)} \\ \text{(vol ye)} \\ \text{(vol ye)} \\ \text{(vol yet)} \\ $	EH.ch Turbidity (NTU) [10% or 1 NTU]*	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	10 mfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1415 1420 1420 1425 1430 The stabilization	Water Quality I Pump Rate $r_{(L/min.)}$ 100 100 75 100 75 100 75 100 50 on criteria for eace	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO2 PH [0.1 units]*  17. 55.00 7. 14 7. 14 7. 15 7. 17 7. 17 7. 18 Dilected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1415 1420 1420 1425 1430 The stabilization	Water Quality I Pump Rate $r_{(L/min.)}$ 100 100 75 100 75 100 75 100 50 on criteria for eace	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1415 1420 1420 1425 1430 The stabilization	Water Quality I Pump Rate $r_{(L/min.)}$ 100 100 75 100 75 100 75 100 50 on criteria for eace	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1410 1416 1420 1420 1420 1420 1420 The stabilization BSERVATION	Water Quality / Pump Rate r1(L/min.) / 00 / 00 7 5 / 00 7 7 / 00 / 00	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1405 140 145 1420 1425 1420 The stabilization DESERVATION	Water Quality I Pump Rate r(L/min.) 100 100 25 100 75 100 50 con criteria for each NS/SAMPLING I	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1405 140 145 1420 1420 1425 1420 The stabilization BSERVATION AMPLE DEST Laboratory:	Water Quality I Pump Rate r(L/min.) 100 100 25 100 75 100 75 100 50 on criteria for each NS/SAMPLING I	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13,56 14,00 13,93 13,09 13,09 13,09 13,09 13,09	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^* \\ \hline \\ \text{(act yet)} \\ \text{(act ye)} \\ \text{(act ye)} \\ \text{(act yet)} \\ $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1405 140 145 1420 1425 1420 The stabilization DESERVATION	Water Quality / Pump Rate P(L/min.) 100 100 700 75 100 75 100 75 100 50 SO SO SO SO SO SO SO SO SO SO	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13.56 [4.00 [3.93 [3.09 [3.93 [3.09 [3.32 [1.6] tive readings cc Hxc/lac	HP 5/NO PH [0.1 units]*  in semple 4.06 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^{*} \\ \hline \\ \text{(not yet)} $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcr 5/ 24110000 ORP (mV) [10 mV]* 171.6 171.6 171.6
Time 1355 1400 1405 1405 1405 1405 1420	Water Quality / Pump Rate P(L/min.) 100 100 700 75 100 75 100 75 100 50 SO SO SO SO SO SO SO SO SO SO	Veter Type(s) / 5 Total Galions Removed 0.13 0.26 0.36 (3,7 0.49 0.59 0.72 0.72 0.79 ch field paramet	Water Level (ft TIC) 13.97 13.96 13.96 13.20 13.30 13.30 13.50 er (three consect	YSI 556 Temp. (Celsius) [3%]* No read 13.56 [4.00 [3.93 [3.09 [3.93 [3.09 [3.32 [1.6] tive readings cc Hxc/lac	<u>ир 5/N0</u> рн <u>[0.1 units]*</u> <u>-</u> <u>171 Secuple</u> <u>4.06</u> 7.14 7.15 7.14 7.15 7.17 7.17 7.17 7.18 Nected at 3- to 5 <u>ир</u> 15	$\begin{array}{c} \text{Sp. Cond.} \\ \text{(mS/cm)} \\ \text{[3%]}^{*} \\ \hline \\ \text{(not yet)} $	E Hich Turbidity (NTU) (10% or 1 NTU)* A through Ce 3 2 2 2 3 1 s) is listed in each	$   \begin{array}{c}     260 \ P \ 1 \ arb \\     \hline     00 \\     (mg/l) \\     [10\% or 0.1 mg/l]^*   \end{array} $ $   \begin{array}{c}     - \\     2.99 \\     3.67 \\     2.95 \\     2.39 \\     1.78 \\     1.52 \\   \end{array} $	(dmfcy 5) 24110000 (mV) [10 mV] 

Well No. H78 B-17R

Site/GMA Name Sampling Personnel

GMAY GE Pittsfield IRAB 122/08 My Breezy Mid 705 Date u Weather

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WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallon <del>s</del> Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]
435	100	0.92	B4.60	11.83	7.19	1.366	1	1.28	149.1
1440	100	1.05	13,60	11.67	7.19	1.359	1	1.17	145.7
445	150	1.25	13.80	11.05	7.71	1.367	1	1.08	147 4
450	100	1-38	13.90	11.25	7.21	1.355		1.02	139.0
455	100	1-51	13.90	11.41	7.21	1.357	1	0.95	136.
500	100	1.64	13.95	11.83	7.21	1.373		0,89	133.
505	100	1.78	14	11.85	7.21	1.361	1	0.87	131.
508	100	1.86	14.10	11.77	7.21	1.364	1	0,87	129.0
	-				100-1	12001			161.1
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Page 1 of 2

Well No. OPCA - MW-3

Site/GMA Name <u>GHA4</u> Sampling Personnel <u>TA P</u> Date 412

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GE Pittsfield Brecae had 50>

WELL INFORMATION - See Page 1

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	Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 m∨]*
	1003	100	0.94	2020	10.32	6.67	0.722	15	1.01	23.5
	1006	1	1.02	20.21	10.42	6.69	0.717	14	1.20	23.3
	1009		1.10	29.21	16.43	6.70	0.716	13	1.02	23.4
	1012		1.18	20.21	10.47	6.70	0.715	11	0.96	23,6
	1015		1.25	20.27	10.44	6.71	0,715	9	1.03	24.4
~	7020		1.39	20.45	9.93	6.71	0.711	8	1.66	27.2
Jore	1025		1.52	20.61	10.01	6.70	0.715	32	1.38	31.6
_	10.30		1.65	20.45	10.21	6.75	0.705	32	1,38	39,5
	1033		1.74	20.42	10.31	6.71	0.705	29	1.34	44.5
	1036		1.81	20.37	10.41	6.71	0.716	27	0,8/	50.Z
	1039		1.89	26.35	10.46	6.73	0.728	20	0.70	55.6
	1042	Y	1.97	20.36	16.43	6.74	0.736	17	0.65	61.1
	1045	100	2.05		10.28	6.73	0.741	16	1.07	67,1
	1055	75	2.25	20.22	10.92	6.73	0.729		2.00	66.0
	1100	75	2.35	20.12	11.30	6.74	0.724		1,53	61.1
	1105	100	<u>Z.48</u>	20.14	11.31	6.73	0.726	12	1.17	59.4
	1110	100	2.61	20.16	10.89	6.74	0.730	14	0.83	62.6
	1115	100	2.75	20.17	10.69	6.75	0.728	15	0.66	63.
		100	2.82	20.19	10.59	673	0.726	15	0.70	62.5
ŀ	1121	100	2.90	20,20	10.64	6. TL	0,727		0.68	62.3
ŀ			San	oled	0 112	2/				
		·								
						,				

\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. OBSERVATIONS/SAMPLING METHOD DEVIATIONS 1020 Noted bladder pump dropped club to

When and stray stretching. adjusting pump - turbidity in creaser1 Parameters Adapter overheated bladde loned AOSO/AC lost pressine for parop

ts and Presentations/FSP-QAPP 2007/Vol IN164711324AppxD-AttaD-2.xts GIGENGE\_Pitts id\_G

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# GROUNDWATER SAMPLING LOG

	ackground (ppn	-				· Sonnu	+ 70's)	4/22/02	
Well H	leadspace (ppn	ı)			Weathe	нт		· · · · · · · · · · · · · · · · · · ·	
WELL INFO	RMATION						Sample Tim	. 1510	7
	nce Point Marked	17 (7) N					•	OPCA ML	0-4
Height	of Reference Poi	nt	Meas. From	n Ground				)	
-	Well Diamet								
Scn	een Interval Dep	1h12-2	2 Meas. From	" Growny			Split Sample II	)	
V	Vater Table Depi		Meas. From	n <u>716</u>					
	Well Dept		Meas. From	n <u>Tic</u>		Required		al Parameters;	Collected
Length	of Water Colum e of Water in We	n <u>/0.//</u>	Thorne			$(\mathcal{X})$		Standard List)	(*)
	e of vvater in vve h of Pump/Tubin		Meas. Fron	. TIU		()	•	Expanded List) SVOCs	() ()
intake Dept		9/0	wieas. Fion			( 🛪 ) ( )		(Unfiltered)	$(\mathcal{F})$
Reference Po	bint Identification:					$(\mathbf{x})$		s (Filtered)	(*)
	nner (PVC) Casi					( )		anics (Unfiltered)	
	Outer (Protective	-				(X)	-	ganics (Filtered)	( <b>.</b> )
Grade/BGS:	Ground Surface					( )	Total Cyar	nide (Unfiltered)	( <b>`</b> )
						( )	-	nide (Filtered)	()
Redevelop?	Y (N)					(X)	•	nide (Filtered)	$(\boldsymbol{X})$
						$(\mathbf{X})$		Ds/PCDFs	(*)
						()		es/Herbicides Attenuation	()
EVACUATION		8				() (x)		(Specify)	() ( <b>)</b>
	Pump Start Time						SUR		
1	Pump Stop Time	1630	2		Evacuation Me	ethod: Bailer (	) Bladder I	Pump ()	
	utes of Pumping		_		Peristaltic Pun	np (🏋 Su	Ibmersible Pump	() Other/S	pecify ( )
Volume of		/ ma. 1/				C			
	Water Removed	Y R	F 				ethod as evacuatio	المتقدقة المتابية وساد سسو	
	id Well Go Dry?	Y R	F 	Ys 165 Temp.	Samples colle	cted by same me		المتقدقة المتابية وساد سسو	cify) P O <u>HACI+</u> ORP
	id Well Go Dry? Water Quality M	Y N Meter Type(s) / S	Serial Numbers:	· 	Samples colle COMPS =	cted by same me ⊭4 03k	athod as evacuatio	AC, 210	OHACI+ T
	Did Well Go Dry? Water Quality M	Y N Meter Type(s) / S Total	Serial Numbers: Water	Temp.	Samples colle COMPS =	ted by same me <u> ₩4034</u> Sp. Cond.	thod as evacuatio	AC, 210 	OHACI+ T
	Vater Quality M Pump Rate	Y N Neter Type(s) / S Total Galions	Serial Numbers: Water Level	Temp. (Ceisius)	Samples collection Samples collection Samples collection Strength	cted by same me ↓ <u>U</u> <u>O</u> <u>3</u> <u>L</u> Sp. Cond. (mS/cm)	thod as evacuatio	AC, 210 DO (mg/i)	OHACI+ T
Time	Vater Quality M Water Quality M Pump Rate (L/min.)	Y N Neter Type(s) / S Total Galions Removed	Serial Numbers: Water Level (ft TIC)	Temp. (Ceisius) [3%]*	Samples collect Correction of the second se	ted by same me	Image: Stress of the second	AC, 210 DO (mg/i)	OHACI+ T
тіте <u>357</u>	Water Quality M Pump Rate (L/min.)	Y N Meter Type(s) / S Total Gallons Removed	Serial Numbers: Water Level (ft TIC)	Temp. (Ceisius) [3%]*	Samples collect Correction of the second se	ted by same me <u> ↓ 4 0 3  </u> Sp. Cond. (mS/cm) [3%]*	ethod as evacuatio	AC, 210 DO (mg/i)	P ORP (mV) [10 mV]*
тіте <u>357</u> 400	Vater Quality N Water Quality N Rate (L/min.) 1750	Y N Neter Type(s) / S Total Galions Removed 0.09 0.21	Serial Numbers: Water Level (ft TIC) IL.34 IL.13	Temp. (Ceisius) [3%]*	Samples collect Correction of the second se	ted by same me <u> ↓ 4 0 3  </u> Sp. Cond. (mS/cm) [3%]*	ethod as evacuatio 102301 Turbidity (NTU) [10% or 1 NTU]* 54 54	AC, 210 DO (mg/i)	ORP (mV) [10 mV]*
Time 357 400 403	Vater Quality M Pump Rate (L/min.) 1750 150	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.78	Temp. (Ceisius) [3%]* —	Samples collect Correction of the second se	ted by same me <u> ↓ 4 0 3  </u> Sp. Cond. (mS/cm) [3%]*	ethod as evacuation 10230 Turbidity (NTU) [10% or 1 NTU]* 54 54 54 54 54 54 54 54 54 54	AC, 210 (mg/i) [10% or 0.1 mg/i] 	ORP (mV) [10 mV]*
Time 357 400 403	Water Quality M Pump Rate (L/min.) 1750 150	Y N Meter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.80 11.80 11.81	Temp. (Ceislus) [3%]* — — — — 9,86	Samples collect	ted by same me # 4 0 3 ↓ Sp. Cond. (mS/cm) [3%]* - - - 1, 10 8	$\frac{10230}{\text{Turbidity}}$ $\frac{10230}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{48}$	AC, 210 DO (mg/l) [10% or 0.1 mg/l] 	ORP (mV) [10 mV]*
Time 357 400 403	Water Quality M         Pump         Rate         (L/min.)         1750         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150	Y N Meter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.81	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.78 11.80 11.80 11.80	Temp. (Ceisius) [3%]* —	Samples collect 6 MPS = pH [0.1 units]* - - - (0.90 (0.86)	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103	$\frac{10230}{10230}$ $\frac{10230}{(NTU)}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{574}$ $\frac{574}{52e}$ $\frac{48}{36}$ $36$ $27$	АС, 210 ро (mg/l) [10% or 0.1 mg/l] — — — 2.75 I, 4.6	ORP (mV) [10 mV]*
Time 357 1400 1403	Water Quality M         Pump         Rate         (L/min.)         1750         150         150         150         150         150         150	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.81 1.00	Serial Numbers: Water Level (ft TIC) 11.03 11.78 11.80 11.81 11.80 11.81 11.80	Temp. (Cetslus) [3%]* - - - 9,86 8,62 8,62	Samples collect <u>b MPS</u> = pH [0.1 units]* - - - - (0.90 (0.86 (0.87	ted by same me	10230 Turbidity (NTU) [10% or 1 NTU]* 524 524 524 524 524 524 524 524	AC, 210 DO (mg/l) [10% or 0.1 mg/l] 	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 410 415 420 1425	Note: Well Go Dry? Water Quality M Rate (L/min.) 1750 150 150 150 150 150 150 150 150 150	Y N Meter Type(s) / S Total Galions Removed 0.09 0.21 0.33 0.41 0.61 0.81 1.00 1.20	Serial Numbers: Water Level (ft TIC) 11.34 11.03 11.78 11.80 11.80 11.81 11.80 11.80 12.03 12.10	Temp. (Celsius) [3%]* - - - 9,86 8,62 8,62 8,17 8,32	Samples collect 6 MPS = pH [0.1 units]* - - - (0.1 units]* - - - - - - - - - - - - -	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	ORP (mV) [10 mV]*
Time 357 400 405 405 405 410 415 420 415 7 7 7 7 7 7 7 7 7 7 7 7 7	Water Quality M         Pump         Rate         (L/min.)         1750         150	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.81 1.00 1.20 ch field parameter	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.78 11.80 11.80 11.81 11.80 12.03 12.10 er (three consect	Temp. (Celsius) [3%]* - - - 9,86 8,62 8,62 8,17 8,32	Samples collect 6 MPS = pH [0.1 units]* - - - (0.1 units]* - - - - - - - - - - - - -	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	10230 Turbidity (NTU) [10% or 1 NTU]* 524 524 524 524 524 524 524 524	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 4405 405	Water Quality M         Pump         Rate         (L/min.)         1750         150         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         <	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 th field parameter NETHOD DEVIA	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.78 11.80 11.80 11.81 11.80 12.03 12.10 er (three consec NTONS	Temp. (Celsius) [3%]*   9,86 8,62 8,62 8,17 8,32 utive readings of	Samples collect 6 MPS = pH [0.1 units]* - - - (0.1 units]* - - - - - - - - - - - - -	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 405 405 405 405 405 405 405 405 405 405 1410 1410 145	Water Quality M Pump Rate (L/min.) 1750 150 150 150 150 150 150 150 1	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shade	Serial Numbers: Water Level (ft TIC) 11.03 11.03 11.80 11.80 11.80 11.80 11.80 12.03 12.10 er (three consec UTIONS	Temp. (Cetslus) $[3\%]^*$ - - - 9,86 8,62 8,17 8,32 utive readings of $2646 \log 2$	Samples collect 6 MPS = pH [0.1 units]* - - - (0.1 units]* - - - - - - - - - - - - -	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 405 405 405 405	Water Quality M Pump Rate (L/min.) 1750 150 150 150 150 150 150 150 1	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shadow	Serial Numbers: Water Level (ft TIC) 11. 03 11. 03 11. 80 11. 80 11. 80 11. 80 11. 80 11. 80 12. 03 12. 10 er (three consections of the section of the sectio	Temp. (Cetslus) $[3\%]^*$ - - - 9,86 8,62 8,17 8,32 utive readings of $2646 \log 2$	Samples collected at 3- to In th' a	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 405 405 405 405	Water Quality M Pump Rate (L/min.) $1 \pm 5$ 150 1	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shadow	Serial Numbers: Water Level (ft TIC) 11. 03 11. 03 11. 80 11. 80 11. 80 11. 80 11. 80 11. 80 12. 03 12. 10 er (three consections of the section of the sectio	Temp. (Cetslus) [3%]* - - - - - - - - - - - - - - - - - - -	Samples collected at 3- to In th' a	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 1410 1415 1415 1425 The stabilization BEERVATION BEERVATIO	Water Quality M Pump Rate (L/min.) 1750 15	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shadow	Serial Numbers: Water Level (ft TIC) 11. 03 11. 03 11. 80 11. 80 11. 80 11. 80 11. 80 11. 80 12. 03 12. 10 er (three consections of the section of the sectio	Temp. (Cetslus) [3%]* - - - - - - - - - - - - - - - - - - -	Samples collected at 3- to In th' a	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 405 405 405 50 50 50 50 50 50 50 50 50	Note: Well Go Dry? Water Quality M Pump Rate (L/min.) $1 \mp 5$ 150 15	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shadow	Serial Numbers: Water Level (ft TIC) 11. 03 11. 03 11. 80 11. 80 11. 80 11. 80 11. 80 11. 80 12. 03 12. 10 er (three consections of the section of the sectio	Temp. (Cetslus) [3%]* - - - - - - - - - - - - - - - - - - -	Samples collected at 3- to In th' a	ted by same me # 4 03↓ Sp. Cond. (mS/cm) [3%]* - - - 1,108 1,103 1,130 1,131	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $
Time 357 400 405 405 405 405 405 405 405	Water Quality M Pump Rate (L/min.) $1 \mp 5$ 150 1	Y N Neter Type(s) / S Total Gallons Removed 0.09 0.21 0.33 0.41 0.61 0.61 1.00 1.20 ch field parameter NETHOD DEVIA Shadow	Serial Numbers: Water Level (ft TIC) 11. 03 11. 03 11. 80 11. 80 11. 80 11. 80 11. 80 11. 80 12. 03 12. 10 er (three consections of the section of the sectio	Temp. (Celsius) $[3\%]^*$  - - 7.86 8.62 8.17 8.32 utive readings of $32$ 26.612 0.62	Samples collected at 3- to In th' a	Cted by same me	$\frac{10230}{10230}$ $\frac{10230}{1000}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{(\text{NTU})}$ $\frac{10\% \text{ or } 1 \text{ NTU}}{54}$ $\frac{54}{520}$ $\frac{48}{300}$ $\frac{300}{27}$ $\frac{14}{100}$ $\frac{13}{1000}$	$     \begin{array}{c}                                     $	$ \begin{array}{c} P \\ ORP \\ (mV) \\ [10 mV]* \\ \\ \\ 289, (c) \\ 249, 9 \end{array} $

Well No. OPCA MW-4

Site/GMA Name GMAU

Sampling Personnel KCC, DP.

Date 4/22/08 Weather

70'5

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WELL INFORMATION - See Page 1

	Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Ceisius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	1430					+				
	1430	150	1.40	12,21	8.11	6.87	1.171	14	1.26	25D.1
	1435	150	1.60	12.32	8.18	6.86	1,181	12	1.08	250.9
	1440	150	1-80	12,44	8.19	6.86	1.190	10	1,04	250.8
	1445	150	2.00	12.55	8.11	6.86	1,192	11	0.93	250.5
	145D	150	2.19	12,66	8.19	6.85	1,191	Cm 9	0,83	25D.6
	1455	150	2.39	12,74	8.50	6.84	1.188	10	0,74	250,6
	1500	150	2.59	12,86	8.4D	6.84	1.189	ଞ	0.72	250.1
¥	1505	150	2.71	12,92	8.28	6.84	1.186	7	0,67	249.7
	1506	150	2.83	12.96	8,31	6.84	1.186	6	0,65	249.5
	1509	150	2.95	13.00	8.39	6,33	1.184	7	0.61	249.6
	1510 -		$\rightarrow$ S	amp	620	2 151	$0 \in$			
	•			N						
L										
	с÷									``
Γ										

\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

G:VGEVGE\_Pittsfield\_General/Reports and Presentations/FSP-QAPP 2007/Vol It/164711324AppxD-AttaD-2.xts

1503 - readings getting close, unum dropped 3 minutes to evens

Page 2 of 2

PAGE 1 OF 2

Well N Key N		,		See	npling Personn		blield, (		
	lackground (pj				· Da		28		
Well I	Headepace (pj	əm)		·	Weath	- <u>Sun</u>	ny, 50's	part c	loudy
WELL INFO	RMATION						l · Sample Tin	.1	50 +
	nce Point Mark	ed? 🕜 N					•	D OPCA-1	
Height	of Reference P		Mens. Fro	m BGS	i		Duplicate i	······································	-10-515
	Well Diam						MSAMS		
		pth1/25-2			Sround		·Spilt Sample i	D0	
١	Water Table De		Meas. Fro	m <u>TIC</u>	·				
i anati	Well De In of Water Colu	mn 11.04		m <u>TIC</u>		Required		al Parameters:	Collected
		Vol 1.80						Cs (Ski. list)	$(\gamma)$
	th of Pump/Tub		Mons. Fro	m_TIC				s (Exp. iist) SVOCs	()
						()		Ba (Total)	
Reference Pr	oint Identificatio	<b>n</b> :				(×7)		(Dissolved)	(x)
-	nner (PVC) Ca	•				()	Metais/in	organics (Total)	$\langle \uparrow \rangle$
•	Outer (Protecti Ground Surfac					(*)		anics (Dissolved)	( 🔨)
Giaua/1563;	GIOUNG SUITAC	• .				()	-	vide (Dissolved)	( )
Redevelop?	YN					( por ) ( yor )	-	tide (Dissolved) Ds/PCDFs	(×)
•						(X) ()		ba/Herbicides	( 7%)
						()		Ationuation	
						(*)		r (Specify)	(7)
24 1 1 1 1 1 1	N INFORMATIC	0.1035	<b>-</b> '				S.	1Rde	
Volume of \	id Well Go Dry	3.50 g		• •	Samples colle	MAYSC cted by same m	ethod as evacuatio	n? B N (spec	a da a ser a ser a
Volume of \	Water Remove Did Weil Go Dry Water Quality	d <u>3.50 g</u> ? Y (R) Meter Type(s) / S		<u> </u>	Pump Type: Samples colle	Marsc cted by same m O3MC	h. IK - 5,	tan One	cily)
Volume of \ D	Water Remove Nd Well Go Dry Water Quality Pump	3.50       ? Y       Meter Type(s) / :       Total	Sorial Numbers: Water	Temp.	Pump Type: Samples colle	Mavsc cted by same m O3MC	<u>h. IK - J.</u> othod as evecuation <u>230 A(</u> Turbidity	<u>па в N (spec</u> 17 В N (spec 2 2100	orp ORP
Volume of \	Water Remove Did Weil Go Dry Water Quality	d <u>3.50 g</u> ? Y (R) Meter Type(s) / S	Serial Numbers:	1	Pump Type: Samples colle	Marsc cted by same m O3MC	h. IK - J. athod as evecuetic 230 A ( Turbidity (NTU)	<u>n</u> r B N (spec <u>2</u> <u>2100</u> (mg/l)	city) OPHACH ORP (mV)
Volume of N D Time	Water Remove Vid Weil Go Dry Water Quality Pump Rate	d 3.50 g Y R Meter Type(s) / 3 Total Gailone	Sorial Numbers: Water Level	Temp. (Celsius)	Pump Type: Samples colle Collector pH	Marsc cted by same m O340 "Sp. Cond. (mS/cm)	h. IK - J. athod as evecuetic 230 A ( Turbidity (NTU)	<u>па в N (spec</u> 17 В N (spec 2 2100	city) OPHACH ORP (mV)
Volume of N D Time	Water Remove Kid Well Go Dry Water Quality Pump Rate (L/min.)	d 3.50 Y B Meter Type(s) / : Total Gailone Removed	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples colle CE MPS pH (0.1 units)*	<u>Mays</u> cted by same m <u>O3M</u> (mS/cm) [3%]*	6/k - 1	10% or 0.1 mg/l	city) OPHACH ORP (mV)
Volume of V D Time 1640 645	Water Remove Vid Weil Go Dry Water Quality Pump Rate (L/min.) 25	d <u>3.50</u> Y (f) Meter Type(s) / : Total Gailone Removed 0.03 0./6	Serial Numbers: Water Level (ft TIC) 10,55 10,85	Temp. (Celsius) [3%]*	Pump Type: Samples colle CE MPS pH (0.1 units)*	<u>Mays</u> cted by same m <u>O3M</u> (mS/cm) [3%]*	4/K - 5	10% or 0.1 mg/l 10% or 0.1 mg/l 10% or 0.1 mg/l	city) OPHACH ORP (mV)
Volume of 1 D Time 1640 046	Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 25 /00 /00	d     3.50       Y     (1)       Netor Type(s) / 1       Total       Gallone       Removed       O - 03       O - 16       O - 29	Serial Numbers: Water Level (12 TIC) 10.55 10.85 10.94	Temp. (Celsius) [3%]*	Pump Type: Samples colle Collection pH (0.1 units)*	Marsc cted by same m O3MC (mS/cm) [3%]*	4/k - 10. athod as evecuation 230 A( Turbidity (NTU) [10% or 1 NTUP /37 /45 -77	10% or 0.1 mg/l 10% or 0.1 mg/l 10% or 0.1 mg/l	city) OPHACH ORP (mV)
Volume of V D Time 1640 046 050	Water Remove Hid Well Go Dry Water Quality Pump Rate (L/min.) 25 /00 /00 /00	d <u>3.50</u> Y (f) Meter Type(s)/3 Total Gailone Removed 0.03 0./6 0.29 0.43	Serial Numbers: Water Level (ft TIC) 10:55 10:85 10:99	Temp. (Celsius) [3%]*	Pump Type: Samples colle & MPS pH (0.1 units)*	<u>Marsc</u> cted by same mo <u>O3440</u> (mS/cm) [3%]* - -	4/k - 50. sthod as evecuation 230 A( Turbidity (NTU) [10% or 1 NTUP /37 145 77 40	1 C O O O O O O O O O O O O O O O O O O	city) <u> <u> </u> </u>
Volume of 1 D Time 1040 046 1050 1055 100	Water Remove Hid Well Go Dry Water Quality Pump Rate (L/min.) 25 /00 /00 /00 /00 200	d     3.50       Y     (1)       Netter Type(s) / 1       Total       Gallone       Removed       0.03       0.16       0.29       0.43       0.69	Serial Numbers: Water Level (ft TIC) 10,55 10,85 10,86 10,94 10,99 11,36	Temp. (Celeius) [3%]* - - - 8, 6 l	Pump Type: Samples colle 6 14PS pH (0.1 units)*	<u>Marsc</u> cted by same m <u>O340</u> 	$\frac{4 \times 1/k}{236} - \frac{3}{2} \times \frac{1}{2} \times \frac{1}{2$	$1 - \frac{1}{2}$	0RP (mV) [10 mV]* 
Volume of V D Time 1040 1045 1050 1055 100 1055	Water Remove Hid Well Go Dry Water Quality Rate (L/min.) 25 /00 /00 /00 200 200	3.50         Y         Total         Gailone         Removed         0.03         0.16         0.29         0.43         0.69         0.95	Serial Numbers: Water Level (10.55 10.85 10.85 10.99 10.99 11.36 11.26	Temp. (Celsius) [3%]* - - - 8,61 8,18	Pump Type: Samples colle 6 MPS pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	<u>Marsc</u> cted by same m <u>C344</u> <u>(mS/cm)</u> <u>[3%]</u> <u>-</u> <u>-</u> <u>1,740</u> <u>1,745</u>	4/k - 50 sthod as evecuation 230 A( Turbidity (NTU) [10% or 1 NTUP /37 145 145 145 140 100 100	1.03	DPHACH ORP (mV) [10 mV]* 
Volume of V D Time 1040 1050 1055 100 1055	Water Remove Hid Well Go Dry Water Quality Pump Rate (L/min.) 25 /00 /00 /00 /00 /00 /00 /00 /00 /00	3.50         Y         Y         Total         Gailone         Removed         0.03         0.16         0.29         0.43         0.69         0.95         1.12	Serial Numbers: Vester Level (ft TIC) 10.55 10.85 10.99 10.99 11.36 11.54 11.44 11.77	Temp. (Celeius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14PS pH (0.1 units)*     (0,54 (0,58 (0,58)	<u>Marsc</u> cted by same me <u>O340</u> (nS/cm) [3%]" - - - 1,740 1,745 1,772	$\frac{4 \times 1/k}{236} - \frac{3}{2} \times \frac{3}{2$	1.04 1.04 1.04 1.04 1.04 1.03 0.93	ORP (mV) [10 mV]" 
Volume of V Time 1640 1055 1055 1055 1055 1055 100 1055 100	Water Remove He Well Go Dry Water Quality Pump Rate (L/min.) 25 100 100 100 200 125 125	3.50         Y         Y         Total         Gailone         Removed         0.03         0.16         0.29         0.43         0.69         0.95         1.12         1.29	Serial Numbers: Water Lovel (17 TIC) 10.55 10.85 10.85 10.94 10.99 11.36 11.44 11.44 11.77 11.94	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14P5 pH [0.1 units]*     (6,54 (6,58) (6,58)	<u>Marsc</u> cted by same m <u>O344</u> (mS/cm) [3%]" - - - 1,740 1,740 1,745 1,772 1,773	$\frac{4 \times 1/k}{236} - \frac{3}{2} \times \frac{3}{2$	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	DPHACH ORP (mV) [10 mV]* 
Volume of V Time 1040 1050 1055	Water Remove He Well Go Dry Water Quality Pump Rate (L/min.) 25 /00 /00 /00 /00 /00 /00 /00 /0	$\begin{array}{c}     3.50 \\     Y \\     Y \\   \end{array}$ Meter Type(s) / 5 Total Gailone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /.12 /.29 ch field paramete METHOD DEVIA	Serial Numbers: Vester Level (10.55 10.85 10.85 10.99 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O344 (mS/cm) [3%]" - - - 1,740 1,740 1,745 1,775 1,775 1,773 5-minute interval	$\frac{4 \times 1/k}{236} - \frac{3}{2} \times \frac{3}{2$	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 
Volume of V D Time 1040 1050 1055 1055 1055 1055 1055 1055	Water Remove Net Well Go Dry Water Quality Pump Rate (L/min.) 25 100 100 100 100 100 100 100 10	Meter Type(s) / $($ Meter Type(s) / $($ Total Gaitone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /-12 /-29 ch field parameter METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 10.55 10.85 10.94 10.94 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS 0.000000	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O3M (mS/cm) [3%]" - - - 1,740 1,740 1,775 1,775 1,772 1,773	h $K - sy.$ solution 230 A( 230 A( 10%  or  1  NTUP 10%  or  1  NTUP 137 145 77 145 140 16 100 10 100 10	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 
Volume of V D Time 1040 1050 1055 1055 1055 1055 1055 1055	Water Remove Net Well Go Dry Water Quality Pump Rate (L/min.) 25 100 100 100 100 100 100 100 10	$\begin{array}{c}     3.50 \\     Y \\     Y \\   \end{array}$ Meter Type(s) / 5 Total Gailone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /.12 /.29 ch field paramete METHOD DEVIA	Serial Numbers: Water Level (ft TIC) 10.55 10.85 10.94 10.94 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS 0.000000	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O3M (mS/cm) [3%]" - - - 1,740 1,740 1,775 1,775 1,772 1,773	$\frac{4 \times 1/k}{236} - \frac{3}{2} \times \frac{3}{2$	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 
Volume of $V$ Time Time 1640 1046 1050 1055 100 105	Water Remove He Well Go Dry Water Quality Pump Rate (L/min.) 25 100 100 100 100 100 100 100 10	Meter Type(s) / $($ Meter Type(s) / $($ Total Gaitone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /-12 /-29 ch field parameter METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 10.55 10.85 10.94 10.94 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS 0.000000	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O3M (mS/cm) [3%]" - - - 1,740 1,740 1,775 1,775 1,772 1,773	h $K - sy.$ solution 230 A( 230 A( 10%  or  1  NTUP 10%  or  1  NTUP 137 145 77 145 140 16 100 10 100 10	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 
Volume of $V$ Time Time 1640 1050 1050 1055 100 105 105 105 105 105 105 100 105 105 100 100 105 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 10000 10000 10000 10000 10000	Water Remove He Well Go Dry Water Quality Pump Rate (L/min.) 25 100 100 100 100 100 100 100 10	Meter Type(s) / $($ Meter Type(s) / $($ Total Gaitone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /-12 /-29 ch field parameter METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 10.55 10.85 10.94 10.94 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS 0.000000	Temp. (Celeius) [3%]" - - - 8.61 8.61 8.18 8.33 8.47 utive readings of - 	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O3M (mS/cm) [3%]" - - - 1,740 1,740 1,775 1,775 1,772 1,773	h $K - sy.$ solution 230 A( 230 A( 10%  or  1  NTUP 10%  or  1  NTUP 137 145 77 145 140 16 100 10 100 10	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 
Volume of $V_{\rm D}$ Thme 1640 046 050 055 105	Water Remove Water Remove Water Quality Pump Rate (L/min.) 25 100 200 200 200 200 125 in criteria for ea is/SAMPLING pmge pmge pmge pmge pmge	Meter Type(s) / $($ Meter Type(s) / $($ Total Gaitone Removed 0.03 0./6 0.29 0.43 0.69 0.95 /-12 /-29 ch field parameter METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 10.55 10.85 10.94 10.94 11.34 11.34 11.44 11.77 11.94 er (three consec NTIONS 0.000000	Temp. (Celeius) [3%]" - - - 8.61 8.61 8.18 8.33 8.47 utive readings of - 	Pump Type: Samples colle 26 14PS pH [0.1 units]*     (0.54 (0.58 (0.58 (0.58) (0.58) (0.58) (0.58)	Marsc cted by same m O3M (mS/cm) [3%]" - - - 1,740 1,740 1,775 1,775 1,772 1,773	h $K - sy.$ solution 230 A( 230 A( 10%  or  1  NTUP 10%  or  1  NTUP 137 145 77 145 140 16 100 10 100 10	1.04 1.04 1.04 1.04 1.04 1.04 1.03 0.93 0.92	ORP (mV) [10 mV]" 

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## GROUNDWATER SAMPLING LOG

Well No. OPCA -MLD-512

Site/GMA Name GIMAY GE PittsReld Sampling Personnel KIC

Date 68 Weather Sunny 60's

part cloudy

WELL INFORMATION - See Page 1

	Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TiC)	Temp. (Celsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
	1120	125	1.46	12.06	0	6.56	1,778	7	1,00	248.3
	1125	100	1-59	12,17	8.53	6.57	1.7710	7	0.95	247,1
	11.30	100	1-72	12.34	8.46	6.56	1,773	Б	0.83	246.0
	1135	100	1.85	12,39	8.41	6.56	1,752	5	0.72	244.z
	1140	100	1.98	12.49	8.56	653	1,731	4	0.57	244.1
	1143	100	2.06	12.54	8.58	6.54	1.706	5	0.51	243,5
1144	1160	100	2.14	12.65	8.64	6.54	1.694	4	0.49	243.0
	1150 -		$\rightarrow$ s	ampl	2C	1150	<			
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\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

× now through cell still in the shade C 1140 went to 3 minute intervals.

# PAGE \_ OF \_2

# GROUNDWATER SAMPLING LOG

Key No					pling Personne	· totel de	RA		
	ckground (ppr	-			Date		8		
Well H	eadspace (ppn	n)			Weathe	r <u>S'onnf</u>	4,70's		
							Sample Time	141	0
VELL INFOR	ce Point Marke	17 (Y) N					•		W-6
	f Reference Poi	<u> </u>	Meas. From	<b>n</b>			Duplicate ID		
i logni o	Well Diamet			•••••••••••••••••••••••••••••••••••••••			MS/MSE		
Scre		th 15-25	Meas. Fror	n Ground	_		Split Sample ID	)	
	/ater Table Dep	th 15,32	Meas. From	n <u>716</u>					
		th <u>23.72</u>	Meas. From	n <u>TIC</u>		Required		al Parameters:	Collected
	of Water Colum		7			( 16 )		Standard List)	(X)
		1.379L	Meas. From	Th		( ) ( <b>x</b> )	•	Expanded List)	(X)
intake Deptr	n of Pump/Tubir	9-01-1-	weas. From			( )		(Unfiltered)	( )
eference Po	int Identification	:				(×)		s (Filtered)	$(\mathbf{x})$
	ner (PVC) Casi					()	Metals/Inorg	anics (Unfiltered)	( )
OC: Top of (	Outer (Protectiv	e) Casing				(ブ)	Metals/inor	ganics (Filtered)	( <b>X</b> )
rade/BGS: (	Ground Surface					()		nide (Unfiltered)	( )
		, ' _D	5-2)	/1		( )	•	nide (Filtered)	()
edevelop?		1 + , Ob	$\mathbf{x}$	in the second		$(\mathbf{X})$	-	nide (Filtered)	(♥) (♥)
						( <del>x</del> ()		Ds/PCDFs es/Herbicides	( <b>X</b> )
								Attenuation	
	INFORMATIO	N				ίχ)		(Specify)	(X)
F	Pump Start Time	1305				•	201	Kde	• •
F	Nume Class Time	15210			Evacuation Me	ethod: Bailer (	) Bladder I		,
Minu Volume of V	utes of Pumping Water Removed id Well Go Dry?	<u>3.80</u>			Peristaltic Pun Pump Type: Samples colled	np()  Su C cted by same me	bmersible Pump	() Other/Sp <b>1 c m Oh z</b> n? Y N (speci	
Minu Volume of V	utes of Pumping Water Removed id Well Go Dry?	<u>145</u> <u>3.80</u>		y <u>51#</u> 4)e	Peristaltic Pun Pump Type: Samples colled	np()  Su C cted by same me	bmersible Pump	() Other/Sp fem One	ify)
Minı Volume of V D	utes of Pumping Water Removed id Weil Go Dry? Water Quality <b>Pump</b>	/ 45           3.80 pm           Y           Total	Serial Numbers:	Temp.	Peristaltic Pun Pump Type: Samples colled	1p () Su Ma-s C Cted by same me 034036 Sp. Cond.	the sible Pump ( <u>A / / k - 5 / r</u> athod as evacuation <u>A O AC A</u> Turbidity	() Other/Sp <b>1 c m Oh c</b> n? Y N (speci DD? HACH DO	iv) Thurbidin ORP
Minu Volume of V	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate	Image: Apple of the second	Serial Numbers: Water Level		Peristaltic Purr Pump Type: Samples collect	1p ( ) SL MA-SC cted by same me 034036	$\frac{4.16}{25}$	() Other/Sp <b>1 c m Oh c</b> n? Y N (speci DD? HACH DO (mg/l)	in) Harbidin
Minı Volume of V D	utes of Pumping Water Removed id Weil Go Dry? Water Quality <b>Pump</b>	/ 45           3.80 pm           Y           Total	Serial Numbers:	Temp. (Celsius)	Peristattic Puri Pump Type: Samples collect Sb6 MPS . pH	1p ( ) Su May C Cted by same me 034036 Sp. Cond. (mS/cm)	the sible Pump ( <u>A / / L - Syr</u> thod as evacuation <u>AO AC A</u> Turbidity (NTU)	() Other/Sp <b>1 c m Oh c</b> n? Y N (speci DD? HACH DO (mg/l)	fy) The Didin ORP (mV)
Minı Volume of V D	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	Veter Type(s) / S Total Gallons Removed	Gerial Numbers: Water Level (ft TiC)	Temp. (Celsius)	Peristattic Puri Pump Type: Samples collect Sold MPS . pH [0.1 units]*	np ( ) Su Ma-r C cted by same me O34036 Sp. Cond. (mS/cm) [3%]*	the sible Pump ( <u>A / (k - 5) / r</u> thod as evacuation <u>A O AC (A</u> <u>Turbidity</u> (NTU) [10% or 1 NTU]*	() Other/Sp <b>1 c m Oh z</b> n? Y N (spec) (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*	fy) The Didin ORP (mV) [10 mV]*
Minı Volume of V D	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	Veter Type(s) / S Total Gallons Removed	Serial Numbers: Water Level (ft TIC) 157, 32	Temp. (Celsius) (3%)* —	Peristattic Puri Pump Type: Samples collect Sold MPS . pH [0.1 units]*	1p ( ) Su Ma-s C Cted by same me O3H036 Sp. Cond. (mS/cm) [3%]*	thod as evacuation	() Other/Sp <b>f c m Oh z</b> n? Y N (speci DD? HACH DO (mg/l) [10% or 0.1 mg/l]*	fy) The Didin ORP (mV) [10 mV]*
Minu Volume of V D Time 3/5 3:26	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	Image: 145           3.80 p.           Y           Total           Gallons           Removed           0.13           0.42	Water Level (ft TIC) 15,46	Temp. (Celsius) [3%]* - \6.05	Peristattic Puri Pump Type: Samples collect Sold MPS . pH [0.1 units]*	1p ( ) Su Ma-re Cted by same me O34036 Sp. Cond. (mS/cm) [3%]* - O.715	the sevecuation	() Other/Sp <b>1 c m Oh z</b> n? Y N (speci (DD? HACH (mg/l) (10% or 0.1 mg/l)* - 4,50	fy) The Didin (mV) [10 mV]*
Minu Volume of V D Time 3/5 3:36 3:31	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	Image: 145 minipage           3.80 pm           Y           Total           Gallons           Removed           0.13           0.42           0.55	Water Level (ft TiC) 15,32 15,46 15,51	Temp. (Celsius) [3%]* - \6.05	Peristattic Puri Pump Type: Samples collect Sold MPS . pH [0.1 units]*	1p ( ) Su Ma-se Cted by same me 034036 Sp. Cond. (mS/cm) [3%]* - 0.715 0.719	thod as evacuation thod as evacuation thod as evacuation turbidity (NTU) [10% or 1 NTU]* / 6 HO 33	() Other/Sp <b>fem One</b> n? Y N (speci DDP HACH DO (mg/l) [10% or 0.1 mg/l]* - - - - - - - - - - - - -	fy) The Didin (mV) [10 mV]* 
Minu Volume of V D Time 3/5 3:36 3:31	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	Image: 145           3.80 p.           Y           Total           Gallons           Removed           0.13           0.42           0.55           0.68	Serial Numbers: Water Level (ft TIC) /5,32 15,46 15,51 15,52	Temp. (Celsius) [3%]* - \6.05	Peristattic Puri Pump Type: Samples collect Sold MPS . pH [0.1 units]*	pp ()       Su         Ma-red       Contraction         Cted by same me       Contraction         Contraction       (mS/cm)         [3%]*       -         O.715       O.715         O.715       O.715	the sible Pump of $4 - 5 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +$	() Other/Sp <b>fem One</b> n? Y N (spec) (DD? HACH DO (mg/l) (10% or 0.1 mg/l)* 	fy) The Didin (mV) [10 mV]* 
Mint Volume of V D Time 3/5 3: 26 3: 31	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	145           3.80 pm           Y         Total           Gallons         Removed           0.13         0.42           0.55         0.68           0.82	Water Level (ft TIC) 15,32 15,46 15,51 15,52 15,52	Temp. (Celsius) [3%]* - \6.05	Peristattic Puri Pump Type: Samples collect Sold MPS. pH [0.1 units]* 7.36 TH.59 7.14 7.10 7.10 7.09	10 ( ) Su Ma-sc cted by same me 034036 Sp. Cond. (mS/cm) [3%]* - 0.715 0.719 0.715 0.716	thod as evacuation A / / L - 5 / L thod as evacuation A O A C , A Turbidity (NTU) [10% or 1 NTU]* / 6 HO 33 24 19	() Other/Sp <b>fem One</b> n? Y N (spec) (DD? HACH DO (mg/l) (10% or 0.1 mg/l)* 	fy) The bid in (mv) [10 mv]*  232.0
Mint Volume of V D Time 3/5 3: 26 3: 31	utes of Pumping Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.)	145         3.80 p.         Y         Total         Gallons         Removed         0.13         0.42         0.55         0.68         0.82         0.955	Serial Numbers: Water Level (ft TIC) /5,32 15,46 15,51 15,52 15,52 15,54	Temp. (Celsius) [3%]* - \6.05	Peristattic Puri Pump Type: Samples collect Sold MPS. pH [0.1 units]* 7.36 TH.59 7.14 7.10 7.10 7.09	pp ()       Su         Ma-ra       Contraction         Cted by same me       Contraction         Contraction       (mS/cm)         [3%]*       -         O.715       O.715         O.715       O.715         O.715       O.715         O.716       O.716	the sible Pump of $4 - 5 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +$	() Other/Sp <b>fem One</b> n? Y N (spec) (DD? HACH DO (mg/l) (10% or 0.1 mg/l)* 	TUTDIdium TUTDIdium (mv) [10 mv] - - - - - - - - - - - - -
Minu Volume of V D Time 3/5 3:36 3:31 3:36 3:41 13:46 13:51 13:56	Vater Removed Water Removed id Well Go Dry? Water Quality Pump Rate (L/min.) SO \OO \OO \OO \OO \OO \OO \OO	145         3.80 p.         Y         3.80 p.         Y         Total         Gallons         Removed         0.13         0.42         0.55         0.68         0.82         0.955         1.08         1.21	Water           Level           (ft TIC)           15,32           15,46           15,51           15,52           15,52           15,54           15,54           15,54           15,54           15,554	Temp. (Celsius) (3%)* - 16.05 13.74 13.74 13.73 13.71 13.53 13.70	Peristattic Puri Pump Type: Samples collect Sold MPS. pH [0.1 units]* 7.36 11.59 7.36 11.59 7.14 7.10 7.10 7.08 7.09 7.09	IP ( )       Su         Ma-ra       C         Ma-ra       C         Cted by same me       O         O340030       Sp. Cond.         (mS/cm)       [3%]*         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715	thod as evacuation A / / A	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	fy) The bid int (mv) [10 mv]*  232.0 233.9 233.7 234.9 234.8
Minu Volume of V D Time 3/5 3:31 3:36 3:31 (3:36 (3:41 (3:46 (3:51) (3:56) he stabilization	Vater Removed Water Removed Water Quality Water Quality Pump Rate (L/min.) 50 100 100 100 100 100 100 100	145         3.80 p.         Y         3.80 p.         Y         Total         Gallons         Removed         0.13         0.42         0.55         0.68         0.82         0.955         1.08         1.21	Water           Level           (ft TIC)           /5;32           15;46           15;51           15;52           15;52           15;52           15;54           15;54           15;54           15;54           15;56	Temp. (Celsius) [3%]* - 16.05 13.74 13.74 13.71 13.73 13.70 xutive readings c	Peristattic Pur Pump Type: Samples collect Sob MPS. pH [0.1 units]* 7.36 14.59 1,14 7.10 1,09 7.09 7.09 7.09 7.09	IP ( )       Su         Ma-ra       C         Ma-ra       C         Cted by same me       O         O340030       Sp. Cond.         (mS/cm)       [3%]*         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715	the sible Pump of $4 \cdot 14 \cdot 5 \cdot 14$ the seven state of a seven state of $3 \cdot 14 \cdot 5 \cdot 14$ the seven state of $3 \cdot 10^{10\%}$ or $1 \cdot 10^{10\%}$ or $10^{10\%}$ or $10^{10\%}$ or $10^{10\%}$ or $10^{10\%}$ or $10^{10\%$	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	fy) The bid int (mv) [10 mv]*  232.0 233.9 233.7 234.9 234.8
Minu Volume of V D Time 3/5 3:31 3:36 3:31 (3:36 (3:41 (3:46 (3:51) (3:56) he stabilization	Ates of Pumping Water Removed id Well Go Dry/ Water Quality Pump Rate (L/min.) 50 100 100 100 100 100 100 100 100 100	145           3.80 p.           Y           Total           Gallons           Removed           0.13           0.42           0.55           0.68           0.82           0.955           1.08           1.21           chfield parameter	Serial Numbers: Water Level (ft TIC) 15,32 15,51 15,53 15,53 15,53 15,53 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,56 ct (three consect NTONS	Temp. (Celsius) [3%]* - 16.05 13.74 13.74 13.71 13.73 13.70 xutive readings c	Peristattic Puri Pump Type: Samples collect Sold MPS. pH [0.1 units]* 7.36 11.59 7.36 11.59 7.14 7.10 7.10 7.08 7.09 7.09	IP ( )       Su         Ma-ra       C         Ma-ra       C         Cted by same me       O         O340030       Sp. Cond.         (mS/cm)       [3%]*         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715	the sible Pump of $4 \cdot 14 \cdot 5 \cdot 14$ the seven state of a seven state of $30 \cdot AC \cdot A$ of $AC \cdot A$ of	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	fy) The bid int (mv) [10 mv]*  232.0 233.9 233.7 234.9 234.8
Minu Volume of V D Time 3/5 3:36 3:31 3:36 3:41 3:46 13:51 13:56 he stabilization	Ates of Pumping Water Removed id Well Go Dry/ Water Quality Pump Rate (L/min.) 50 100 100 100 100 100 100 100 100 100	145           3.80 p.           Y           3.80 p.           Y           Total           Gallons           Removed           0.13           0.92           0.55           0.68           0.82           0.955           1.08           1.21           ch field parameter           METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 15,32 15,51 15,53 15,53 15,53 15,53 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,56 ct (three consect NTONS	Temp. (Celsius) [3%]* - 16.05 13.74 13.74 13.71 13.73 13.70 xutive readings c	Peristattic Pur Pump Type: Samples collect Sob MPS. pH [0.1 units]* 7.36 14.59 1,14 7.10 1,09 7.09 7.09 7.09 7.09	IP ( )       Su         Ma-ra       C         Ma-ra       C         Cted by same me       O         O340030       Sp. Cond.         (mS/cm)       [3%]*         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715	the sible Pump of $4 \cdot 14 \cdot 5 \cdot 14$ the seven state of a seven state of $30 \cdot AC \cdot A$ of $AC \cdot A$ of	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	fy) The bid int (mv) [10 mv]*  232.0 233.9 233.7 234.9 234.8
Mini Volume of V D Time 3/5 3:36 3:31 (3:51 (3:51 (3:51 (3:51) (3:55) he stabilization (3:51)	Vater Removed Water Removed Water Removed Water Quality Pump Rate (L/min.) SO 100 100 100 100 100 100 100 10	145           3.80 p.           Y           3.80 p.           Y           Total           Gallons           Removed           0.13           0.92           0.55           0.68           0.82           0.955           1.08           1.21           ch field parameter           METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 15,32 15,51 15,53 15,53 15,53 15,53 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,56 ct (three consect NTONS	Temp. (Celsius) [3%]* - 16.05 13.74 13.74 13.71 13.73 13.70 xutive readings c	Peristattic Pur Pump Type: Samples collect Sob MPS. pH [0.1 units]* 7.36 14.59 1,14 7.10 1,09 7.09 7.09 7.09 7.09	IP ( )       Su         Ma-ra       C         Ma-ra       C         Cted by same me       O         O340030       Sp. Cond.         (mS/cm)       [3%]*         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715         O.715       O.715	the sible Pump of $4 \cdot 14 \cdot 5 \cdot 14$ the seven state of a seven state of $30 \cdot AC \cdot A$ of $AC \cdot A$ of	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	fy) The bid int (mv) [10 mv]*  232.0 233.9 233.7 234.9 234.8
Minu Volume of V D Time 3/5 3:36 3:31 3:36 3:41 3:46 13:51 13:56 he stabilization servation	Vater Removed Water Removed Water Removed Water Quality Pump Rate (L/min.) 50 100 100 100 100 100 100 100	145           3.80 p.           Y           3.80 p.           Y           Total           Gallons           Removed           0.13           0.92           0.55           0.68           0.82           0.955           1.08           1.21           ch field parameter           METHOD DEV/A	Serial Numbers: Water Level (ft TIC) 15,32 15,51 15,53 15,53 15,53 15,53 15,54 15,54 15,54 15,54 15,54 15,54 15,54 15,56 er (three consec NTONS	Temp. (Celsius) [3%]* - 16.05 13.74 13.81 13.81 13.93 13.71 13.53 13.70 sutive readings c	Peristattic Puri Pump Type: Samples collect Sold MPS. pH [0.1 units]* 7.36 11.59 7.36 11.59 7.14 7.10 7.08 7.08 7.09 7.09 00001	пр ( ) Su <u>Ma - ra</u> cted by same me <u>O34036</u> Sp. Cond. (mS/cm) [3%]* - 0.715 0.715 0.716 0.716 0.715 0.715 0.715 0.715 0.715 0.715 0.715	the sible Pump ( 6.1/4 -5.1.1 the as evacuation 10 AC , all Turbidity (NTU) [10% or 1 NTU]* //6 HO 33 24 19 13 10 \$ IS) is listed in each	() Other/Sp <b>fem One</b> n? Y N (spec (DD? HACH DO (mg/l) (10% or 0.1 mg/l]*  4,50 4,42 4,42 4,42 4,22 4,12 4,09 3,96	TUTON TUTON (mV) (10 mV) (10 mV) - 236.1 232.0 233.9 233.9 233.7 234.7 234.7 234.7 234.7

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PAGE ZOF Z

# GROUNDWATER SAMPLING LOG

Well No. OPCA MW-6

GE MA H HIBFIED Site/GMA Name MA Sampling Personnel Date Weather SOUT

WELL INFORMATION - See Page 1

							_		
Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%)*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:0	1 100	1.34	15.56		T.07	0.723	7	493.98	234,4
14:0		1.48	15.59	13.45		0.724	1	3.90	235.0
14:10						Und		<u> </u>	100
		PLINC							
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\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

WAL PURCE, CLEAR, NO DOOR

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# GROUNDWATER SAMPLING LOG

	, OK	A-MW	-7	1	Site/GMA Name	GMA	4 GF	Pilts tiel	d	
Key No				Sam	pling Personnel	JAP	KLC	• r		
•	ckground (ppn	n) —			Date	417	1108			-
	eadspace (ppn				Weather	Sunn		4 md-5	FOS	
wen er	eaushave (hhu						y_encer	7 100		
							Sample Time	1600		
WELL INFOR		· · · ·					•	1001 14	11-2	
	ce Point Marked			Porali	d		Sample ID		W-T	_
Height o	f Reference Poi	int - 0.6	Meas. From	Grain			Duplicate ID			
	Well Diamete	er		~ /			MS/MSD			-
Scre	en Interval Dept	th <u>14-24</u>	Meas. From	Ground			Split Sample ID			_
N	ater Table Dept	th <u>14.6</u>	Z Meas. From	1 - 10						
	Well Dept	th 23.79	Meas. From	·	-	Required	Analytica	i Parameters;	Collected	
Length	of Water Colum	m 9.7	•			( <b>X</b> )	VOCs (S	Standard List)	( <b>X</b> )	
Volume	e of Water in We	al 1,49		_		()	VOCs (E	xpanded List)	( )	
Intake Depth	n of Pump/Tubin	18	Meas. From	TIC		(*)	S	VOCs	(X)	
						( )	PCBs	(Unfiltered)	(	
Deference Do	int Identification:					$(\mathbf{x})$		(Filtered)	( <b>X</b> )	
								anics (Unfiltered)	( )	
•	iner (PVC) Casi	-				()	-	•	· ·	
-	Outer (Protective					(×)	-	janics (Filtered)	( )	
Grade/BGS: (	Ground Surface					()	•	ide (Unfiltered)	()	
						()	•	nide (Filtered)	()	
Redevelop?	Y (Ŋ					$(\mathbf{K})$	-	nide (Filtered)	()	
	-					(乂)	PCDD	s/PCDFs	(👗 )	
						()	Pesticide	s/Herbicides	()	
						()	Natural	Attenuation	()	
EVACUATION		N.				( 🗙)	Other	(Specify)	()	
	Pump Start Time	11115						Sulficle		
	Pump Stop Time	1	-		Evacuation Me	thod: Bailer (	) Bladder F	ump()		
	utes of Pumping		_		Peristaltic Pum		bmersible Pump (		ecify ( )	
		44. 44.				Geo Pu	_	) 00000		
	Nater Removed		0-10				thod as evacuation	n? 🕜 N (speci	φ.λ. ( ).	-
<b>.</b>	id Well Go Dry?				Samples collec	led by same me			"5/M	00157
	Water Quality M	Meter Type(s) / S	Serial Numbers:	YST #	4 03 M	<u>1320 f</u>	t <u>C</u> Ita	ch 2100P	<sup>W)</sup> 5/M 9411000	D67L
	Pump	Total	Water	Temp.	рH	Sp. Cond.	Turbidity	DO	ORP	1
Time	Rate	Gailons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)	
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*	
HICO	126		111-20			-			- `	
1450	1162		1 1 10							1
1111 1	100		10 07	10 17	110	1050	-49	557	JAIE	1
1422	125	0-17	15.07	12.17	6.60	1.858	4	5.52	204.5	
1450	125		15.07	12.17	6.60	1.858	4	5.52 3.11	204.5 207.4	
1455	125	0.30	15.07 15.21 15.31	12.17 12.54 12.95	6.60	1.858 1.830	9472	5.52 3.11 2.90	204.5 207.4 705.6	
1505	ioo	0.30 0.43	15.07 15.21 15.31	12.17 12.54 12.95	6.60 6.51 6.60	1.858 1.830 1.845	ST JANA	5.52 3.11 2.90 2.95	204.5 207.4 205.6	
1505 1510	100 100	0.30 0.43 0.56	15.07 15.21 15.31 15.45	12.17 12.54 12.95 12.53	6.60 6.51 6.60 6.54	1.858 1.830 1.845 1.976	ST CAMORA	5.52 3.11 2.90 2.95	204.5 207.4 205.6 207.9	
1505	ioo	0.30 0.43 0.56 0.69	15.07 15.21 15.31 15.45 15.59	12.17 12.54 12.95 12.53 12.53 12.95	6.60 6.51 6.60 6.54 6.52	1.858 1.830 1.845 1.976 2.045	ST NMRM	5.52 3.11 2.90 2.95 2.80	204.5 207.4 205.6 207.9 207.9 209.0	
1505 1510	100 100	0.30 0.43 0.56	15.07 15.21 15.31 15.45 15.59 15.72	12.17 12.54 12.95 12.53 12.95 12.95 12.44	6.60 6.51 6.60 6.54 6.52 6.50	1.858 1.830 1.845 1.976 2.045 2.176	94 73 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m	5.52 3.11 2.90 2.95 2.95 2.90 2.93	204.5 207.4 205.6 207.9 209.0 210.5	
1505 1510	100 100 100	0.30 0.43 0.56 0.69	15.07 15.2 15.3 15.45 15.59 15.72 15.72	12.17 12.54 12.95 12.53 12.95 12.44 12.21	6.60 6.51 6.60 6.54 6.52 6.50 6.47	1.858 1.830 1.845 1.976 2.045 2.176 2.237	St. Canadana	5.52 3.11 2.90 2.95 2.90 2.93 2.98	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1315 1520 1525	100 100 100 100 100	0.30 0.43 0.56 0.69 0.83 0.96	15.31 15.45 15.59 15.72 15.86	12.95 12.95 12.53 12.95 12.44 12.21	6.51 6.60 6.54 6.52 6.50 6.47	1.845 1.976 2.045 2.176 2.237	うぐん	2.90 2.95 2.95 2.80 2.13 2.88	204.5 207.4 205.6 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilizatio	100 100 100 100 100 100	0.30 0.43 0.56 0.69 0.83 0.96 ch field paramete	15.31 15.45 15.59 15.72 15.86 er (three consec	12.95 12.95 12.53 12.95 12.44 12.21 utive readings c	6.51 6.60 6.54 6.52 6.50 6.47 collected at 3- to 5	1.976 1.976 2.045 2.176 2.237	3 3 2 Is) is listed in each	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilizatio	100 100 100 100 100 100 100 100 100	0.30 0.43 0.56 0.69 0.83 0.96	15.31 15.45 15.59 15.72 15.86 er (three consec	12.95 12.95 12.53 12.95 12.44 12.21	6.51 6.60 6.54 6.52 6.50 6.47	1.976 1.976 2.045 2.176 2.237	うぐん	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilizatio	100 100 100 100 100 100	0.30 0.43 0.56 0.69 0.83 0.96 ch field paramete	15.31 15.45 15.59 15.72 15.86 er (three consec	12.95 12.95 12.53 12.95 12.44 12.21 utive readings c 12.53 12.95 12.95 12.95 12.95 12.53 12.95 12.53 12.95 12.95 12.95 12.53 12.95 1	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilizatio	100 100 100 100 100 100 00 criteria for ear vs/sAMPLING I	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50	15.31 15.45 15.59 15.72 15.86 er (three consec	12.95 12.95 12.53 12.95 12.44 12.21 utive readings c 12.53 12.95 12.95 12.95 12.95 12.53 12.95 12.53 12.95 12.95 12.95 12.53 12.95 1	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 5 pwge	1.976 1.976 2.045 2.176 2.237	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilization Deservation for or 1525	100 100 100 100 100 100 100 Sisampling I	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.72 15.86 er (three consec ATIONS	12.95 12.95 12.95 12.95 12.44 12.21 utive readings c Initial	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilizatio	100 100 100 100 100 100 00 criteria for ear vs/sAMPLING I	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.86 er (three consec	12.95 12.95 12.95 12.95 12.44 12.21 utive readings c Initial	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilization DESERVATION ADV VST White SAMPLE DEST	100 100 100 100 100 100 100 100 100 100	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.72 15.86 er (three consec ATIONS	12.95 12.95 12.95 12.95 12.44 12.21 utive readings c Initial	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading.	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 The stabilization 000000000000000000000000000000000000	100 100 100 100 100 100 100 100 100 100	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.72 15.86 er (three consec ATIONS	12.95 12.95 12.95 12.95 12.44 12.21 utive readings c Initial	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Haolaal a ed a <del>uche</del>	2.90 2.95 2.95 2.90 2.93 2.88 column heading. p to 51	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
1505 1510 1515 1520 1525 * The stabilization OBSERVATION YST White SAMPLE DEST Laboratory:	100 $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.72 15.86 er (three consec ATIONS	12.95 12.95 12.95 12.95 12.44 12.21 utive readings c Initial	6.51 6.60 6.54 6.52 6.50 6.47 sollected at 3- to 3 pwge	1.976 1.976 2.045 2.176 2.237 minute interve 1.976	3 3 2 Is) is listed in each Haolaal a ed a <del>uche</del>	2.90 2.95 2.95 2.90 2.93 2.88 column heading. p to 51	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
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1505 1510 1515 1520 1525 • The stabilizatio OBSERVATION 4000 VST While SAMPLE DEST Laboratory: Delivered Via:	100 $100$	0.30 0.43 0.56 0.69 0.93 0.96 ch field parameter METHOD DEVIA 50 WOUGL CA	15.31 15.45 15.59 15.72 15.72 15.86 er (three consec ATIONS	12.95 12.95 12.95 12.95 12.44 12.21 12.21 12.21 12.21 12.21 12.21 12.21 12.21 12.21 12.21 12.21	6.51 6.60 6.54 6.52 6.50 6.47 ollected at 3- to 5 pluge pluge to 5 pluge 0 5 to 5 to 5 to 5 to 5 to 5 to 5 to 5 to	1.976 1.976 2.045 2.176 2.237 minute interve 1.976 2.045 2.176 2.237 2.176 2.237 2.176 2.237 2.176 2.237	3 3 2 Is) is listed in each Han (card (c	2.90 2.95 2.95 2.90 2.93 2.88 column heading. p to 51	204.5 207.4 205.6 207.9 207.9 209.0 210.5 212.1	
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Well No. OPCA - HW-7

Site/GMA Name <u>GE Pittsfield</u> GMA4 Sampling Personnel <u>JAP/RAB</u> 4/21/08 Sunny Brzezy Mid-705 Date \_ Weather \_\_\_\_\_

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	рН [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/i) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1530	100	1.09	16.04	12.50	6.45	2.347	2	2.75	213.1
1535	1	1.22	16.15	12.56	6.39	2.512	à	274	2155
1540		1.35	16.77	12.48	6.45	210107	2	2.69	214
545	1	1.49	16.36	12 22	6.47	2,812	and and	2.69	7147
1250		1.62	16.48	12.65	6.41	2.898	3	2.53	alle 3
553		1.70	16.59	12.50	6.37	2.976	17) N	2.57	216.1
556		1.78	16.68	12.50	6.40	3.029		2.57	216.1
1559		1.86	16.12	12.53	6.39	3.057	3	2.52 2.47	215.9
	¥	7.00	14312	10.00	<u>ur v 7 1</u>	5.012			dise 1
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\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. OBSERVATIONS/SAMPLING METHOD DEVIATIONS

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PAGE LOF T

Well No Key No		·		Sam	pling Personne	KIC DE	ZA	HS Reid	
-	ckground (ppr	n)			. C Dat				
	eadspace (ppr	-	·····		Weathe	n <u>la</u>	O's sunr	ny	
WELL INFOR							Sample Time		20
Referen	ce Point Marke	d? Y N					Sample II	OPCA-MU	N-8
Height of	f Reference Poi		Meas. Fro	m			Duplicate I	)	
	Well Diamet						MS/MS		
				m Ground			Split Sample ID	)	
w	ater Table Dep	th <u> 31, 61</u>	Meas. From Meas. From	m <u>Til</u>		Required	Analytica	al Parameters:	Collected
Length	of Water Colum					(X)		Standard List)	$(\mathcal{X})$
Volume	of Water in W	ell 2.3091	llons			()	VOCs (E	Expanded List)	()
	of Pump/Tubir		Meas. From	n <u>716</u>		(X)		VOCs	(×)
						( )		(Unfiltered)	()
	nt Identification ner (PVC) Casi					(X)		s (Filtered) anics (Unfiltered)	$(\boldsymbol{X})$
•	Duter (Protectiv	-				$(\mathbf{x})$	-	ganics (Filtered)	$(\mathbf{x})$
•	Ground Surface					$(\hat{})$		ide (Unfiltered)	( )
	<b>~</b> (		- 2:000	~~~~		()	Total Cya	nide (Filtered)	1gg
Redevelop?	(Y) N (	a' of s	eomun	nt je		(X)	-	nide (Filtered)	$(\mathcal{X})$
				-		(21)		Ds/PCDFs hs/Herbicides	$(\mathcal{X})$
						()		Attenuation	()
EVACUATION	INFORMATIO	N				(x)		(Specify)	i 🗙
P	ump Start Time	090				~	SUI	Rde.	
Minu Volume of V Di	ites of Pumping Vater Removed d Well Go Dry?	$\frac{1}{400}$	<u>l</u> øns		Samples colle	np()  Su Su Cted by same me	ubmersible Pump( a   s c 4 n/k - ethod as evacuatio	Pump (X) ) Other/Spo System O, n? Y N (speci	fy)
Minu Volume of V Di	ites of Pumping Vater Removed d Well Go Dry? Water Quality I	4-01al Y N Meter Type(s) / S	[ชา≠ Gerial Numbers:		Peristaltic Pun Pump Type: Samples colle	np () Si S A M cted by same ma S C 3M	abmersible Pump ( $a - s - 4 w/k - cethod as evacuatioCABOAC$ .	Pump (X ) Other/Spr Sy S & O N (speci <u>1-1AC1-1 2</u>	M NUOP
Minu Volume of V Di	ites of Pumping Vater Removed d Well Go Dry?	$\frac{1}{400}$	<u>l</u> øns	VSI ∓4 Temp. (Cetsius)	Peristaltic Pun Pump Type: Samples colle	np()  Si <b>基 4</b> <u>M</u> cted by same me	ubmersible Pump( a   s c 4 n/k - ethod as evacuatio	Pump (X) ) Other/Spo System O, n? Y N (speci	fy)
Minu Volume of V Di	ites of Pumping Vater Removed d Well Go Dry? Water Quality I <b>Pump</b>	Meter Type(s) / S Total Gallons Removed	lゅっょ Serial Numbers: Water	Temp.	Peristaltic Pun Pump Type: Samples colle	np () Si Si Si M. Si Sp. Cond.	Ibmersible Pump ( A - s - A w/k - ethod as evacuatio C32DAC. Turbidity (NTU) [10% or 1 NTU]*	Pump (X ) Other/Spi System 0, N (speci HACIH 0 DO	IDOP
Minu Volume of V Di	ites of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.)	Image: space of the space o	løn≠ Serial Numbers: Water Level	Temp. (Celsius)	Peristaltic Pun Pump Type: Samples colle 5106 Mf	np () Si Si Si M Si Sp. Cond. (mS/cm)	$\frac{1}{2} \frac{1}{2} \frac{1}$	Pump (X ) Other/Spi System 2, n? Y N (speci I_ACI-I 2 DO (mg/i) [10% or 0.1 mg/i]*	64 (fy) (J) (D) (D) (D) (mV) (10 mV)* (10 mV)*
Minu Volume of V Di Time 0915 0920	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) \50 \50	$\frac{1}{\sqrt{20}}$	Eerial Numbers: Water Level (ft TIC) 不.01 あ.57	Temp. (Celsius) [3%]*	Peristaltic Pun Pump Type: Samples colle <u>5/<i>b</i>/6</u> M f pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 2010) Sp. Cond. (mS/cm) [3%]*	$\frac{1}{2} \frac{1}{2} \frac{1}$	Dump (X ) Other/Spi Spi 5 ~ 0 n? Y N (speci I_ACIA Q DO (mg/l) [10% or 0.1 mg/l]* -	orp (mV) [10 mV]*
Minu Volume of V Di Time 0915 0920 0922	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150	$\frac{1}{\sqrt{20}}$	Eerial Numbers: Water Level (ft TIC) 8.01 8.57 8.39	Temp. (Celsius) [3%]*	Peristaltic Pun Pump Type: Samples colle 5106 M f pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 20	$\frac{1}{2} \frac{1}{2} \frac{1}$	Pump (X ) Other/Spi System 2, n? Y N (speci I_ACI-I 2 DO (mg/i) [10% or 0.1 mg/i]*	64 (fy) (J) (D) (D) (D) (mV) (10 mV)* (10 mV)*
Minu Volume of V Di Time 0915 0930 0933 0933	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) \50 \50 \50 \35	$\frac{1}{2} \frac{1}{2} \frac{1}$	Serial Numbers: Water Level (ft TIC) T.OI T.OI T.ST T.ST T.ST T.ST	Temp. (Celsius) [3%]*	Peristaltic Pun Pump Type: Samples colle 5106 M f pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 20	$\frac{1}{2} \frac{1}{2} \frac{1}$	Dump (X ) Other/Spi Spi 5 ~ 0 n? Y N (speci I_ACIA Q DO (mg/l) [10% or 0.1 mg/l]* -	orp (mV) [10 mV]*
Minu Volume of V Di Time 0915 0930 0932 0930	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 135	$\frac{1100}{9}$	Serial Numbers: Water Level (ft TIC) <b>X.01</b> <b>8.57</b> <b>X.89</b> <b>9.32</b> <b>9.52</b>	Temp. (Celsius) [3%]*	Peristaltic Pur Pump Type: Samples colle 5106 Mf pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 20	$\frac{1}{2} \frac{1}{2} \frac{1}$	Dump (X ) Other/Spi Spi 5 ~ 0 n? Y N (speci I_ACIA Q DO (mg/l) [10% or 0.1 mg/l]* -	orp (mV) [10 mV]*
Minu Volume of V Di Time 0915 0930 0930 0930 0935	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) \50 \50 \50 \50 \50 \50 \50 \50 \50	$\frac{1}{2} \frac{1}{2} \frac{1}$	Serial Numbers: Water Level (ft TIC) 78.01 78.57 78.39 9.32 9.52 9.67	Temp. (Celsius) [3%]* - - -	Peristaltic Pur Pump Type: Samples colle 5106 M f pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 20	$\frac{1}{2} \frac{1}{2} \frac{1}$	Dump (X ) Other/Spi Spi 5 ~ 0 n? Y N (speci I_ACIA Q DO (mg/l) [10% or 0.1 mg/l]* -	(mV) [10 mV]*
Minu Volume of V Di Time 0915 0920 0922 0927 0930 0935 0940	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 135	$\frac{1}{2} \frac{1}{2} \frac{1}$	Water           Level           (ft TIC)           3.57           3.89           9.32           9.53           9.53           9.53           9.53	Temp. (Cetsius) [3%]* - - - -	Peristaltic Pur Pump Type: Samples colle 5106 Mf pH [0.1 units]*	np ( ) Si Si A 22. Cted by same model S 03M Sp. Cond. (mS/cm) [3%]* - - - - - -	Abmersible Pump ( $a - s - A - M/k - ethod as evacuatio)$ a - s - A - M/k - ethod as evacuatio) a - s - A - M/k - ethod as evacuatio) a - s - A - M/k - ethod as evacuation $a - s - A - M/k - ethod as evacuation (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (10% or 1 NTU)e 95 112 109 79 71 55 47$	Pump (X ) Other/Spi Sy s to m 2, n? Y N (speci I_ACIA & DO (mg/i) [10% or 0.1 mg/i]* - - - - -	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di <b>Time</b>	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) \50 \50 \50 \35	$\frac{1100}{9}$	Serial Numbers: Water Level (ft TIC) T.OI T.OI T.ST T.ST T.ST T.ST	Temp. (Celsius) [3%]* - - -	Peristaltic Pur Pump Type: Samples colle 5106 M f pH [0.1 units]*	np ( ) Si Si ( 2010) Si ( 20	$\frac{1}{2} \frac{1}{2} \frac{1}$	Dump (X ) Other/Spi Spi 5 ~ 0 n? Y N (speci I_ACIA Q DO (mg/l) [10% or 0.1 mg/l]* -	(mV) [10 mV]*
Minu Volume of V Di Time 0915 0920 0922 0927 0935 0935 0940 0943	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 100 100	$\frac{1}{9} \frac{1}{9} \frac{1}$	Eerial Numbers: Water Level (ft TIC) 78.01 78.57 78.57 9.53 9.53 9.53 9.67 9.67 9.67 9.82 10.03	Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pur Pump Type: Samples colle 5166 Mf pH [0.1 units]*	np ( ) Si Si A 22 Cted by same model S () 3 (M) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	$\begin{array}{c} \text{abmersible Pump (}\\ \textbf{a} \neq \textbf{c} \land \textbf{a} \land \textbf{k} \\ \textbf{c} \\ \textbf$	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	(mV) [10 mV]*
Minu Volume of V Di Time 0915 0930 0930 0935 0940 0943 0947	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) \50 \50 \50 \50 \50 \50 \50 \50 \50 \50	$\frac{1}{9} \frac{1}{9} \frac{1}$	Water           Level           (ft TIC)           X.01           X.57           X.39           9.22           9.52           9.67           9.722           9.67           9.732           10.03	Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pur Pump Type: Samples colle 5166 Mf pH [0.1 units]*	np ( ) Si Si A 22 Cted by same model S () 3 (M) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	Abmersible Pump ( $a - s - A - M/k - ethod as evacuatio)$ a - s - A - M/k - ethod as evacuatio) a - s - A - M/k - ethod as evacuatio) a - s - A - M/k - ethod as evacuation $a - s - A - M/k - ethod as evacuation (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (NTU) (10% or 1 NTU)e 95 112 109 79 71 55 47$	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di Time 0915 0930 0930 0935 0935 0940 0943 The stabilizatio	tes of Pumping Vater Removed d Weil Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each</td> <td>Pump (X ) Other/Spi Sy s &amp; A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2</td> <td>A &amp; fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -</td>	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di Time 0915 0920 0922 0927 0925 0925 0935 0940 0943 The stabilization	tes of Pumping Vater Removed d Weil Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each</td> <td>Pump (X ) Other/Spi Sy s &amp; A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2</td> <td>A &amp; fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -</td>	Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di Time 0915 0920 0922 0927 0925 0935 0940 0947 The stabilization	tes of Pumping Vater Removed d Weil Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each</td> <td>Pump (X ) Other/Spi Sy s &amp; A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2</td> <td>A &amp; fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -</td>	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di Time 0915 0920 0922 0927 0925 0925 0935 0940 0943 The stabilization	ttes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each</td> <td>Pump (X ) Other/Spi Sy s &amp; A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2</td> <td>A &amp; fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -</td>	Temp. (Celsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5/06 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 23) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	abmersible Pump ( a - r c A w/k - ethod as evacuation C32DAC. Turbidity (NTU) [10% or 1 NTU]* 95 1\2 109 71 55 47 28 is listed in each	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	A & fy) 1)DOP (mV) [10 mV]* - - - - - - - - - - - - -
Minu Volume of V Di Time 0915 0920 0922 0927 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0927 0926 0926 0927 0926 0926 0926 0926 0926 0926 0926 0926	tes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5106 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 2000) Si ( 2000) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>Abmersible Pump ( <math>a \rightarrow s \in A \le /k - e^{-s}</math> ethod as evacuatio <math>O(A = A \le /k - e^{-s})</math> <math>O(A = A \le /k - e^{-s})</math> O(</td> <td>Pump (X ) Other/Spi Sy 5 ~ ~ Q n? Y N (speci I_ACIA @ DO (mg/l) [10% or 0.1 mg/l]*     54.2 column heading.</td> <td>Correction of the second secon</td>	Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5106 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 2000) Si ( 2000) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	Abmersible Pump ( $a \rightarrow s \in A \le /k - e^{-s}$ ethod as evacuatio $O(A = A \le /k - e^{-s})$ $O(A = A \le /k - e^{-s})$ O(	Pump (X ) Other/Spi Sy 5 ~ ~ Q n? Y N (speci I_ACIA @ DO (mg/l) [10% or 0.1 mg/l]*     54.2 column heading.	Correction of the second secon
Minu Volume of V Di Time 0915 0920 0922 0927 0927 0926 0926 0927 0926 0926 0926 0926 0926 0926 0926 0926	tes of Pumping Vater Removed d Well Go Dry? Water Quality I Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	$\frac{1100}{4}$ Meter Type(s) / S Total Gallons Removed 0.20 0.47 0.47 0.60 0.47 0.68 0.81 0.94 1.15 ch field parameter METHOD DEV/4	Water           Level           (ft TIC)           3.01           3.57 <td>Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -</td> <td>Peristaltic Pum Pump Type: Samples colle 5106 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -</td> <td>np ( ) Si Si ( 2000) Si ( 2000) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -</td> <td>Abmersible Pump ( <math>a \rightarrow s \in A \le /k - e^{-s}</math> ethod as evacuatio <math>O(A = A \le /k - e^{-s})</math> <math>O(A = A \le /k - e^{-s})</math> O(</td> <td>Pump (X ) Other/Spi Sy s &amp; A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2</td> <td>Correction of the second secon</td>	Temp. (Cetsius) [3%]* - - - - - - - - - - - - - - - - - - -	Peristaltic Pum Pump Type: Samples colle 5106 M f pH [0.1 units]* - - - - - - - - - - - - - - - - - - -	np ( ) Si Si ( 2000) Si ( 2000) Sp. Cond. (mS/cm) [3%]* - - - - - - - - - - - - -	Abmersible Pump ( $a \rightarrow s \in A \le /k - e^{-s}$ ethod as evacuatio $O(A = A \le /k - e^{-s})$ $O(A = A \le /k - e^{-s})$ O(	Pump (X ) Other/Spi Sy s & A O n? Y N (speci I-IACI-I Q DO (mg/l) [10% or 0.1 mg/l]*      54.2	Correction of the second secon

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### **GROUNDWATER SAMPLING LOG**

Well No. OPCA MW-8

GMA 4 Site/GMA Name Sampling Personnel DUL

Date Weather

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0953	100	1-28	10,14	9.65	217	0.416	30	39.4	195.9
0958	100	1.42	10,25	9.52	7.18	0.419	<u> </u>	4.34	199.8
003	100	1.55	10.30	9.55	7.18	0.421	23	4.21	202.7
800	100	1.68	10,44	9.29	7.20	0.426	20	4.35	204.9
1013	100	1.81	10.57	9.45	7.20	0.430	19	4.29	207.6
1018	100	1-94	10.69	9,47	1.33	0.434	30	4.33	<u>,509'0</u>
		ng na ang tao na tao na ang a			and a star wast		y		an mang ng san gan gan ng
					· · ·				

\* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

THROUGH OR BUOBLES IN FLOW THROUGH CELL **OBSERVATIONS/SAMPLING METHOD DEVIATIONS** CAUSIDE HICH ). D. READING.

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# ARCADIS

# Appendix C

Groundwater Analytical Results – Spring 2008

Parameter	Sample ID: Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
Volatile Organic		• #===•		•
1,1,1,2-Tetrachlo		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,1-Trichloroet	hane	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
1,1,2,2-Tetrachlo		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1,2-Trichloroet		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroetha	ne	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
1,1-Dichloroethe	ne	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2,3-Trichloropr	opane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dibromo-3-cl		ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
1,2-Dibromoetha		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroetha	ne	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroprop	ane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,4-Dioxane		ND(0.10) J	ND(0.10) J [ND(0.10) J]	ND(0.10) J
2-Butanone		ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
2-Chloro-1,3-but	adiene	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
2-Chloroethylving		R	ND(0.013) J [ND(0.013) J]	ND(0.013) J
2-Hexanone	) - · -	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
3-Chloropropene	9	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
4-Methyl-2-penta		ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Acetone		ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Acetonitrile		ND(0.020) J	ND(0.020) J [ND(0.020) J]	ND(0.020) J
Acrolein		ND(0.025) J	ND(0.025) J [ND(0.025) J]	ND(0.025) J
Acrylonitrile		ND(0.025) J	ND(0.025) J [ND(0.025) J]	ND(0.025) J
Benzene		ND(0.023) 3	ND(0.023) 3 [ND(0.023) 3] ND(0.0010) [ND(0.0010)]	ND(0.023) 3 ND(0.0010)
Bromodichlorom	othana	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Bromoform	elliane	ND(0.0010) 3	ND(0.0010) 5 [ND(0.0010) 5]	ND(0.0010) 3
		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromomethane				
Carbon Disulfide Carbon Tetrachlo		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
	onde	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroethane		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Chloroform		ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.0030
Chloromethane		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,3-Dichlorop		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Dibromochlorom		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Dibromomethane		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Dichlorodifluoron		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethyl Methacryla	te	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Ethylbenzene		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
lodomethane		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Isobutanol		ND(0.050) J	ND(0.050) J [ND(0.050) J]	ND(0.050) J
Methacrylonitrile		ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Methyl Methacry		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Methylene Chlori	ide	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Propionitrile		ND(0.020) J	ND(0.020) J [ND(0.020) J]	ND(0.020) J
Styrene		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Tetrachloroether	ne	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
trans-1,2-Dichlor		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,3-Dichlor		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,4-Dichlor	o-2-butene	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Trichloroethene		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Trichlorofluorom	ethane	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Vinyl Acetate		ND(0.0025)	ND(0.0025) [ND(0.0025)]	ND(0.0025)
Vinyl Chloride		ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Xylenes (total)		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total VOCs		ND(0.10)	ND(0.10) [ND(0.10)]	0.0030
		= (33)	= (	

Sample IE Parameter Date Collected		78-6 04/21/08	GMA4-6 04/21/08
PCBs-Filtered			
Aroclor-1016	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1221	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1232	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1242	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1248	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1254	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1260	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Total PCBs	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,2,4-Trichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1.2-Dichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,2-Diphenylhydrazine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,3,5-Trinitrobenzene	ND(0.0032)	ND(0.026) J [ND(0.026) J]	ND(0.026) J
1,3-Dichlorobenzene	ND(0.020) 3 ND(0.0052)	ND(0.0051) [ND(0.026) 3]	ND(0.020) 3
	, , , , , , , , , , , , , , , , , , ,		, , ,
1,3-Dinitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,4-Dichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,4-Naphthoquinone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1-Naphthylamine	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
2,3,4,6-Tetrachlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4,5-Trichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4,6-Trichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dimethylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dinitrophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
2,4-Dinitrotoluene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,6-Dichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,6-Dinitrotoluene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Acetylaminofluorene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Chloronaphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Chlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Methylnaphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Naphthylamine	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
2-Nitroaniline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Nitrophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Picoline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3&4-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3,3'-Dichlorobenzidine	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
3,3'-Dimethylbenzidine	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
3-Methylcholanthrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3-Nitroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4,6-Dinitro-2-methylphenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Aminobiphenyl	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Bromophenyl-phenylether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chloro-3-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chloroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Chlorobenzilate	ND(0.020)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chlorophenyl-phenylether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Nitroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Nitrophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Nitroquinoline-1-oxide	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
4-Nitroquinoline-1-oxide 4-Phenylenediamine	ND(0.020) J ND(0.010) J	ND(0.028) J [ND(0.028) J] ND(0.010) J [ND(0.010) J]	ND(0.026) J ND(0.010) J
	. ,		( )
5-Nitro-o-toluidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
7,12-Dimethylbenz(a)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
a,a'-Dimethylphenethylamine	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
Acenaphthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Acenaphthylene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Acetophenone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)

Sample ID: Parameter Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
Semivolatile Organics (continue)			
Aniline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Aramite	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzidine	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
Benzo(a)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(a)pyrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(b)fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(g,h,i)perylene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(k)fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzyl Alcohol	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Chloroethoxy)methane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Chloroethyl)ether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Chloroisopropyl)ether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Ethylhexyl)phthalate	0.00094 J	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Butylbenzylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Chrysene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diallate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dibenzo(a,h)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dibenzofuran	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diethylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dimethylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Di-n-Butylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Di-n-Octylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diphenylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Ethyl Methanesulfonate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Fluorene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorobenzene	ND(0.0052) ND(0.0052)	ND(0.0051) [ND(0.0052)] ND(0.0051) [ND(0.0052)]	ND(0.0052) ND(0.0052)
Hexachlorobutadiene Hexachlorocyclopentadiene	ND(0.0052) ND(0.010) J	ND(0.0051) [ND(0.0052)] ND(0.010) J [ND(0.010) J]	ND(0.0052) ND(0.010) J
Hexachloroethane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorophene	ND(0.0052) J	ND(0.0051) J [ND(0.0052) J]	ND(0.0052) J
Hexachloropropene	ND(0.0032) J ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.0032) 3
Indeno(1,2,3-cd)pyrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isodrin	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isophorone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isosafrole	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Methapyrilene	ND(0.0052) J	ND(0.0051) J [ND(0.0052) J]	ND(0.0052) J
Methyl Methanesulfonate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Naphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Nitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodiethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodimethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitroso-di-n-butylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitroso-di-n-propylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodiphenylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosomethylethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosomorpholine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosopiperidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosopyrrolidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
o,o,o-Triethylphosphorothioate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
o-Toluidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
p-Dimethylaminoazobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachloroethane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachloronitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachlorophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
Phenacetin	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Phenanthrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)

Parameter	Sample ID: Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
Semivolatile Org	anics (continue)		•	
Phenol		ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pronamide		ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pyrene		ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pyridine		ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Safrole		ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Thionazin		ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Furans			•	•
2,3,7,8-TCDF		0.000000045 J	0.000000019 J [0.000000032 J]	ND(0.00000010)
TCDFs (total)		0.00000027	0.00000028 [0.00000050]	ND(0.00000010)
1,2,3,7,8-PeCDF		0.000000056 J	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
2,3,4,7,8-PeCDF		ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
PeCDFs (total)		0.000000056 J	0.000000052 J [0.000000059 J]	ND(0.000000052)
1,2,3,4,7,8-HxCD	F	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
1,2,3,6,7,8-HxCD		ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
1,2,3,7,8,9-HxCD	F	ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
2,3,4,6,7,8-HxCD		ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
HxCDFs (total)		ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
1,2,3,4,6,7,8-HpC	DF	ND(0.000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
1,2,3,4,7,8,9-HpC		ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
HpCDFs (total)		ND(0.0000000051)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000052)
OCDF		ND(0.00000010)	ND(0.00000010) [ND(0.00000010)]	ND(0.00000011)
Dioxins		(		(**************************************
2,3,7,8-TCDD		ND(0.000000012)	ND(0.000000014) [ND(0.000000010)]	ND(0.00000010)
TCDDs (total)		ND(0.0000000012)	ND(0.000000014) [ND(0.0000000010)]	ND(0.000000010)
1,2,3,7,8-PeCDD		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
PeCDDs (total)		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,7,8-HxCD	D	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,6,7,8-HxCD		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,7,8,9-HxCD		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
HxCDDs (total)		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,6,7,8-HpC	חחי	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000077)
HpCDDs (total)		ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000077)
OCDD		ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000012)
Total TEQs (WHC		0.000000070	0.000000067 [0.000000067]	0.000000012)
Inorganics-Unfil		0.000000070	0.000000007 [0.00000007]	0.00000011
Sulfide	lereu	1.10 J	ND(1.00) J [ND(1.00) J]	1.00 J
		1.105	ND(1.00) 3 [ND(1.00) 3]	1.00 J
Inorganics-Filter	ea			
Antimony		ND(0.0400)	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Arsenic		ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium		0.0174 B	0.0340 B [0.0353 B]	ND(0.100)
Beryllium		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Cadmium		ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Chromium		0.00118 B	0.00209 B [ND(0.0100)]	ND(0.0100)
Cobalt		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Copper	(0.4.0)	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Cyanide-MADEP	(PAC)	ND(0.00600)	ND(0.00600) [ND(0.00600)]	ND(0.00600)
Lead		ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Mercury		ND(0.000285)	ND(0.000285) [ND(0.000285)]	ND(0.000285)
Nickel		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Selenium		ND(0.0200)	ND(0.0200) [ND(0.0200)]	ND(0.0200)
Silver		ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Thallium		ND(0.0100) J	0.00625 J	ND(0.0100) J
Tin		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium		ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc		ND(0.0200)	ND(0.0200) [ND(0.0200)]	0.00957 B

Parameter	Sample ID: Date Collected:	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Volatile Organic	s					
1,1,1,2-Tetrachlo		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroeth		ND(0.0010)	0.00077 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
1,1,2,2-Tetrachlo	roethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroeth	nane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethar	ne	ND(0.0010)	0.00018 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
1,1-Dichloroether		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropro	opane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-ch	loropropane	ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoethai	ne	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethar	ne	ND(0.0010)	0.00025 J	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropa	ane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,4-Dioxane		ND(0.10) J	ND(0.10) J	ND(2.0) J	ND(0.10) J	ND(0.10) J
2-Butanone		ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
2-Chloro-1,3-buta	adiene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
2-Chloroethylviny		ND(0.013) J	ND(0.013) J	ND(0.25) J	ND(0.013) J	ND(0.013) J
2-Hexanone		ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.0050) J	ND(0.0050) J
3-Chloropropene		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
4-Methyl-2-penta		ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)	ND(0.0050)
Acetone		ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
Acetonitrile		ND(0.020) J	ND(0.020) J	ND(0.40) J	ND(0.020) J	ND(0.020) J
Acrolein		ND(0.025) J	ND(0.025) J	ND(0.50) J	ND(0.025) J	ND(0.025) J
Acrylonitrile		ND(0.025) J	ND(0.025) J	ND(0.50) J	ND(0.025) J	ND(0.025) J
Benzene		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Bromodichlorome	ethane	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Bromoform		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Bromomethane		ND(0.0010)	ND(0.0010)	ND(0.020) J	ND(0.0010)	ND(0.0010)
Carbon Disulfide		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Carbon Tetrachlo	oride	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Chlorobenzene		ND(0.0010)	0.00089 J	ND(0.020)	ND(0.0010)	0.00012 J
Chloroethane		ND(0.0010)	ND(0.0010) J	ND(0.020) J	ND(0.0010)	ND(0.0010) J
Chloroform		ND(0.0010)	0.00014 J	0.033	ND(0.0010)	ND(0.0010)
Chloromethane		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichlorop	ropene	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Dibromochlorome		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Dibromomethane		ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Dichlorodifluorom		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Ethyl Methacrylat		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Ethylbenzene		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Iodomethane		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Isobutanol		ND(0.050) J	ND(0.050) J	ND(1.0) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile		ND(0.010)	ND(0.010)	ND(0.20)	ND(0.010)	ND(0.010)
Methyl Methacryl	ate	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Methylene Chlori		ND(0.0050) J	ND(0.0050)	ND(0.10)	ND(0.0050) J	ND(0.0050)
Propionitrile		ND(0.020) J	ND(0.020) J	ND(0.40) J	ND(0.020) J	ND(0.020) J
Styrene		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Tetrachloroethen	e	ND(0.0010)	0.00039 J	ND(0.020)	ND(0.0010)	ND(0.0010)
Toluene	-	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
trans-1,2-Dichloro	pethene	ND(0.0010)	0.00019 J	ND(0.020)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichlor		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichlor		ND(0.0050) J	ND(0.0050) J	ND(0.020)	ND(0.0050) J	ND(0.0050) J
Trichloroethene		ND(0.0010)	0.038 J	0.082	ND(0.0030) 3	0.0014 J
Trichlorofluorome	thane	ND(0.0010)	0.00062 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Vinyl Acetate		ND(0.0025)	ND(0.0025)	ND(0.050)	ND(0.0010)	ND(0.0025)
Vinyl Chloride		ND(0.0025)	0.00075 J	ND(0.020)	ND(0.0025)	0.00032 J
Xylenes (total)		ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
, , ,		ND(0.0010) ND(0.10)	· · · ·	· · · · ·	ND(0.0010) ND(0.10)	0.0018 J
Total VOCs		ועט(0.10)	0.042 J	0.12	ואט(ט. וט)	0.0018 J

PCBs-Filtered Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254 Aroclor-1260 Total PCBs Semivolatile Organ 1,2,4,5-Tetrachloroben 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazir		ND(0.000067) J ND(0.000067) J ND(0.000067) J ND(0.000067) J ND(0.000067) J ND(0.000067) J	NA NA NA	NA NA NA	ND(0.000066) J ND(0.000066) J	ND(0.000068)
Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254 Otal PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobe 1,2-Dichlorobenzene		ND(0.000067) J ND(0.000067) J ND(0.000067) J ND(0.000067) J	NA NA NA	NA	,	,
Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254 Otal PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobe 1,2-Dichlorobenzene		ND(0.000067) J ND(0.000067) J ND(0.000067) J ND(0.000067) J	NA NA NA	NA	,	,
Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Total PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobo 1,2,4-Trichlorobenzen 1,2-Dichlorobenzene		ND(0.000067) J ND(0.000067) J	NA	NΙΔ		ND(0.000068)
Aroclor-1248 Aroclor-1254 Aroclor-1260 Total PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobo 1,2,4-Trichlorobenzen 1,2-Dichlorobenzene		ND(0.000067) J		11/4	ND(0.000066) J	ND(0.000068)
Aroclor-1254 Aroclor-1260 Total PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobo 1,2,4-Trichlorobenze 1,2-Dichlorobenzene			NIA.	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1260 Total PCBs Semivolatile Organ 1,2,4,5-Tetrachlorobu 1,2,4-Trichlorobenzeu 1,2-Dichlorobenzeue		ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Total PCBs Semivolatile Organi 1,2,4,5-Tetrachlorobe 1,2,4-Trichlorobenzee 1,2-Dichlorobenzene			NA	NA	ND(0.000066) J	ND(0.000068)
Semivolatile Organ 1,2,4,5-Tetrachlorobe 1,2,4-Trichlorobenzee 1,2-Dichlorobenzene		ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
1,2,4,5-Tetrachlorobe 1,2,4-Trichlorobenze 1,2-Dichlorobenzene		ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
1,2,4-Trichlorobenze 1,2-Dichlorobenzene	ics	, ,				
1,2,4-Trichlorobenze 1,2-Dichlorobenzene	enzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1	ne	ND(0.0052)	NA	NA	ND(0.0053)	0.0016 J
1.2-Diphonylbydrazir		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1.2-DIDITETIVITIVUTALI	ne	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,3,5-Trinitrobenzene		ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
1,3-Dichlorobenzene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,3-Dinitrobenzene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,4-Dichlorobenzene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,4-Naphthoguinone		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1-Naphthylamine		ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
2,3,4,6-Tetrachloropl	henol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4,5-Trichloropheno		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2.4.6-Trichloropheno		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dichlorophenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dimethylphenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dinitrophenol		ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
2,4-Dinitrotoluene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,6-Dichlorophenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,6-Dinitrotoluene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Acetylaminofluorer	ne	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
2-Chloronaphthalene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Chlorophenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Methylnaphthalene	)	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Methylphenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Naphthylamine		ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
2-Nitroaniline		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Nitrophenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Picoline		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3&4-Methylphenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3.3'-Dichlorobenzidin	e	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
3,3'-Dimethylbenzidi		ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
3-Methylcholanthren		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3-Nitroaniline	0	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4,6-Dinitro-2-methylp	bhenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Aminobiphenyl		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Bromophenyl-pher	vlether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chloro-3-Methylph		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chloroaniline		ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Chlorobenzilate		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chlorophenyl-pher	vlether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Nitroaniline		ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Nitrophenol		ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Nitroquinoline-1-ox	ide	ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
4-Phenylenediamine		ND(0.010) J	NA	NA	ND(0.011) J	ND(0.010) J
5-Nitro-o-toluidine		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
7,12-Dimethylbenz(a	anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
a,a'-Dimethylpheneth	/	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
Acenaphthene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Acenaphthylene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Acetophenone		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)

Sample ID Parameter Date Collected		H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Semivolatile Organics (continue)		•			•
Aniline	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Aramite	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzidine	ND(0.010) J	NA	NA	ND(0.011) J	ND(0.010) J
Benzo(a)anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(a)pyrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(b)fluoranthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(g,h,i)perylene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(k)fluoranthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzyl Alcohol	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
bis(2-Chloroethoxy)methane	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Chloroethyl)ether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Chloroisopropyl)ether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Ethylhexyl)phthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Butylbenzylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Chrysene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diallate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dibenzo(a,h)anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dibenzofuran	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diethylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dimethylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Di-n-Butylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Di-n-Octylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diphenylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Ethyl Methanesulfonate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Fluoranthene Fluorene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
					,
Hexachlorobutadiene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorocyclopentadiene	ND(0.010) J	NA NA	NA NA	ND(0.011) J	ND(0.010) J
Hexachloroethane	ND(0.0052)			ND(0.0053)	ND(0.0052)
Hexachlorophene	ND(0.0052) J	NA	NA	ND(0.0053) J	ND(0.0052) J
Hexachloropropene	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isodrin	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isophorone	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isosafrole	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Methapyrilene	ND(0.0052) J	NA	NA	ND(0.0053) J	ND(0.0052) J
Methyl Methanesulfonate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Naphthalene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Nitrobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodiethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodimethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitroso-di-n-butylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitroso-di-n-propylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodiphenylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosomethylethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosomorpholine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosopiperidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosopyrrolidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
o,o,o-Triethylphosphorothioate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
o-Toluidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
p-Dimethylaminoazobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachloroethane	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachloronitrobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachlorophenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
Phenacetin	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Phenanthrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)

Parameter	Sample ID: Date Collected:	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Semivolatile Org	ganics (continue)					
Phenol		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pronamide		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pyrene		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pyridine		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Safrole		ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Thionazin		ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
Furans						
2,3,7,8-TCDF		ND(0.000000033)	NA	NA	ND(0.000000049)	0.000000094 J
TCDFs (total)		ND(0.000000033)	NA	NA	ND(0.000000049)	0.0000022
1,2,3,7,8-PeCDF		ND(0.000000052)	NA	NA	ND(0.000000052)	0.000000074 J
2,3,4,7,8-PeCDF		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000066)
PeCDFs (total)		ND(0.000000052)	NA	NA	ND(0.000000052)	0.00000042 J
1,2,3,4,7,8-HxCD		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000051)
1,2,3,6,7,8-HxCD		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000051)
1,2,3,7,8,9-HxCD		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000053)
2,3,4,6,7,8-HxCD	)F	ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000051)
HxCDFs (total)		ND(0.000000052)	NA	NA	ND(0.000000052)	0.00000011 J
1,2,3,4,6,7,8-HpC		ND(0.000000052)	NA	NA	ND(0.000000053)	ND(0.000000051)
1,2,3,4,7,8,9-HpC	DF	ND(0.000000063)	NA	NA	ND(0.000000067)	ND(0.000000063)
HpCDFs (total)		ND(0.000000056)	NA	NA	ND(0.000000059)	ND(0.000000055)
OCDF		ND(0.00000031)	NA	NA	ND(0.00000012)	ND(0.00000013)
Dioxins						
2,3,7,8-TCDD		ND(0.000000043)	NA	NA	ND(0.000000054)	ND(0.000000041)
TCDDs (total)		ND(0.000000043)	NA	NA	ND(0.000000054)	ND(0.000000041)
1,2,3,7,8-PeCDD		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000051)
PeCDDs (total)		ND(0.000000052)	NA	NA	ND(0.000000052)	ND(0.000000051)
1,2,3,4,7,8-HxCD		ND(0.000000053)	NA	NA	ND(0.000000052)	ND(0.000000054)
1,2,3,6,7,8-HxCD		ND(0.000000054)	NA	NA	ND(0.000000052)	ND(0.000000055)
1,2,3,7,8,9-HxCD	D	ND(0.000000055)	NA	NA	ND(0.000000052)	ND(0.000000056)
HxCDDs (total)		ND(0.000000054)	NA	NA	ND(0.000000052)	ND(0.000000055)
1,2,3,4,6,7,8-HpC	CDD	ND(0.000000074)	NA	NA	ND(0.000000077)	ND(0.000000085)
HpCDDs (total)		ND(0.000000074)	NA	NA	ND(0.000000077)	ND(0.000000085)
OCDD	`	ND(0.00000037)	NA	NA	ND(0.00000012)	ND(0.00000016)
Total TEQs (WHO		0.000000083	NA	NA	0.000000089	0.000000095
Inorganics-Unfil	tered					
Sulfide		ND(1.00)	NA	NA	ND(1.00)	1.00 J
Inorganics-Filter	red					
Antimony		ND(0.0400)	NA	NA	ND(0.0400)	ND(0.0400)
Arsenic		ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Barium		ND(0.100)	NA	NA	0.0277 B	0.00975 B
Beryllium		0.000940 J	NA	NA	0.00548 J	ND(0.0100) J
Cadmium		ND(0.00500) J	NA	NA	ND(0.00500) J	ND(0.00500) J
Chromium		0.00134 B	NA	NA	0.00224 B	0.00150 B
Cobalt		ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Copper		ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Cyanide-MADEP	(PAC)	ND(0.00600)	NA	NA	ND(0.00600)	ND(0.00600)
Lead		ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Mercury		ND(0.000285)	NA	NA	ND(0.000285)	ND(0.000285)
Nickel		ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Selenium		ND(0.0200)	NA	NA	ND(0.0200)	ND(0.0200)
Silver		ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Thallium		ND(0.0100) J	NA	NA	0.00638 J	0.00936 J
Tin		ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Vanadium		ND(0.0500)	NA	NA	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0200)	NA	NA	ND(0.0200)	0.0112 B

Parameter	Sample ID: Date Collected:	OPCA-MW-5R 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Volatile Organic	s				
1,1,1,2-Tetrachlo	proethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroet		ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,1,2,2-Tetrachlo		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroet		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroetha		ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,1-Dichloroethe		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropr		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-cl		ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoetha		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroetha		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroprop 1,4-Dioxane	ane	ND(0.0010) ND(0.10) J	ND(0.0010) ND(0.10) J	ND(0.0010) ND(0.10) J	ND(0.0010) ND(0.10) J
2-Butanone		ND(0.0050) J	ND(0.10) J ND(0.0050) J	ND(0.10) J	ND(0.0050) J
2-Chloro-1,3-buta	adiene	ND(0.0050) J	ND(0.0050) J	ND(0.0050) 3 ND(0.0010)	ND(0.0050) J
2-Chloroethylviny		ND(0.013) J	ND(0.0010)	ND(0.013) J	ND(0.013) J
2-Hexanone	ylethei	ND(0.0050) J	ND(0.013) J	ND(0.0050) J	ND(0.0050) J
3-Chloropropene	N	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
4-Methyl-2-penta		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone		ND(0.0050) J	0.0015 J	ND(0.0050) J	ND(0.0050) J
Acetonitrile		ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Acrolein		ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Acrylonitrile		ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Benzene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichlorom	ethane	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Bromoform		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Tetrachlo	oride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene		0.00048 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane		ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Chloroform		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichlorop	ropene	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Dibromochlorom	ethane	ND(0.0010)	ND(0.0010)	0.00014 J	ND(0.0010)
Dibromomethane	9	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Dichlorodifluoron		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethyl Methacryla	te	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
lodomethane		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol		ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl Methacry		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chlori	ide	ND(0.0050)	ND(0.0050) J	ND(0.0050)	ND(0.0050) J
Propionitrile		ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Styrene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethen	ie	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene trans-1,2-Dichlor	oothono	ND(0.0010) J ND(0.0010)	ND(0.0010)	ND(0.0010) J ND(0.0010)	ND(0.0010) ND(0.0010)
		ND(0.0010)	ND(0.0010)	ND(0.0010) ND(0.0010)	ND(0.0010) ND(0.0010)
trans-1,3-Dichlor trans-1,4-Dichlor		ND(0.0010) ND(0.0050) J	ND(0.0010) ND(0.0050) J	ND(0.0010) ND(0.0050) J	ND(0.0010) ND(0.0050) J
Trichloroethene		ND(0.0050) J ND(0.0010) J	ND(0.0050) J ND(0.0010)	ND(0.0050) J ND(0.0010) J	ND(0.0050) J ND(0.0010)
Trichlorofluorome	othano	ND(0.0010) J ND(0.0010) J	ND(0.0010)	ND(0.0010) J ND(0.0010) J	ND(0.0010)
Vinyl Acetate		ND(0.0010) 3	ND(0.0010)	ND(0.0010) 3 ND(0.0025)	ND(0.0010) ND(0.0025)
Vinyl Chloride		0.0012 J	ND(0.0025)	ND(0.0025)	ND(0.0025)
Xylenes (total)		ND(0.0010)	ND(0.0010)	ND(0.0010) 3	ND(0.0010)
Total VOCs		0.0017 J	0.0015 J	0.00014 J	ND(0.0010)
		0.0017 J	0.00100	0.00014 J	100(0.10)

Parameter	Sample ID: Date Collected:	OPCA-MW-5R 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
PCBs-Filtered					
Aroclor-1016		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1221		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1232		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1242		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1248		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1254		ND(0.000068) J	0.00017 J	ND(0.000068)	0.00019 J
Aroclor-1260		ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Total PCBs		ND(0.000068) J	0.00017 J	ND(0.000068)	0.00019 J
Semivolatile Orga	inics		1		
1,2,4,5-Tetrachloro		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2,4-Trichloroben		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2-Dichlorobenzer	ne	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2-Diphenylhydra:		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,3,5-Trinitrobenze		ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
1.3-Dichlorobenzer	ne	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,3-Dinitrobenzene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,4-Dichlorobenzei		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,4-Naphthoguinor		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1-Naphthylamine		ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
2,3,4,6-Tetrachlord	phenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4,5-Trichloropher		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4,6-Trichlorophe		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dichloropheno		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dimethylpheno		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dinitrophenol		ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
2.4-Dinitrotoluene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,6-Dichloropheno	1	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,6-Dinitrotoluene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Acetylaminofluor	ene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloronaphthale		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Chlorophenol		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Methylnaphthale	ne	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Methylphenol		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Naphthylamine		ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
2-Nitroaniline		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Nitrophenol		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Picoline		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3&4-Methylphenol		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3,3'-Dichlorobenzio	line	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3,3'-Dimethylbenzi		ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
3-Methylcholanthre		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3-Nitroaniline		ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4,6-Dinitro-2-methy	/lphenol	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Aminobiphenyl		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Bromophenyl-ph	enylether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chloro-3-Methylp		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chloroaniline		ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Chlorobenzilate		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chlorophenvl-ph	envlether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Nitroaniline	,	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Nitrophenol		ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Nitroguinoline-1-	oxide	ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
4-Phenylenediamir		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.023) 3
5-Nitro-o-toluidine		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
7,12-Dimethylbenz	(a)anthracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
a,a'-Dimethylphene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
	Sarylannine		( )	ND(0.020)	ND(0.023)
, ,					
Acenaphthene Acenaphthylene		ND(0.0051) ND(0.0051)	ND(0.0051) ND(0.0051)	ND(0.0052)	ND(0.0051)

Parameter	Sample ID: Date Collected:	OPCA-MW-5R 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Semivolatile Org	ganics (continue)				
Aniline		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Anthracene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Aramite		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzidine		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Benzo(a)anthrac	ene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(a)pyrene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(b)fluorant	hene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(g,h,i)peryl	ene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(k)fluorantl	hene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzyl Alcohol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroetho	xy)methane	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Chloroethyl	)ether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Chloroisopr	opyl)ether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Ethylhexyl)		ND(0.0051)	ND(0.0051)	ND(0.0052)	0.0011 J
Butylbenzylphtha		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Chrysene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diallate		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dibenzo(a,h)anth	iracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dibenzofuran		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diethylphthalate		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dimethylphthalat	e	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Di-n-Butylphthala		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Di-n-Octylphthala	ate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diphenylamine		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Ethyl Methanesu	lfonate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Fluoranthene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Fluorene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorobenze	ene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorobutad		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorocyclop		ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Hexachloroethan		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorophene		ND(0.0051) J	ND(0.0051) J	ND(0.0052) J	ND(0.0051) J
Hexachloroprope		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isodrin		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isophorone		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isosafrole		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Methapyrilene		ND(0.0051) J	ND(0.0051) J	ND(0.0052) J	ND(0.0051) J
Methyl Methanes	ulfonate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Naphthalene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Nitrobenzene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodiethyla	amine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodimethy		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitroso-di-n-bu		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitroso-di-n-pr	,	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodipheny		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosomethyle		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosomorpho		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosopiperidi		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosopyrrolid		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
o,o,o-Triethylpho		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
o-Toluidine		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
p-Dimethylamino	azobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachlorobenz		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachloroethar		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachloronitro		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachlorophen		ND(0.025)	ND(0.026)	ND(0.0032)	ND(0.0051)
Phenacetin		ND(0.0051)	ND(0.020)	ND(0.0052)	ND(0.0051)
i nonaootini		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)

Parameter	Sample ID: Date Collected:	OPCA-MW-5R 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Semivolatile Orga	nics (continue)				
Phenol		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pronamide		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pyrene		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pyridine		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Safrole		ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Thionazin		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans		, , , , , , , , , , , , , , , , , , ,			
2,3,7,8-TCDF		0.000000042 J	0.000000044 J	ND(0.000000012)	ND(0.000000050)
TCDFs (total)		0.00000020	0.000000073 J	ND(0.000000012)	0.00000017
1,2,3,7,8-PeCDF		ND(0.000000052)	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
2,3,4,7,8-PeCDF		ND(0.000000052)	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
PeCDFs (total)		ND(0.000000052)	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
1,2,3,4,7,8-HxCDF	1.	ND(0.000000052)	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
1,2,3,6,7,8-HxCDF		ND(0.000000052)	ND(0.0000000051)	ND(0.000000052)	ND(0.000000052)
1,2,3,7,8,9-HxCDF		ND(0.000000052)	ND(0.000000051)	ND(0.000000052)	ND(0.000000052)
2,3,4,6,7,8-HxCDF		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpC	)F	ND(0.0000000052)	ND(0.0000000051)	ND(0.000000052)	ND(0.0000000052)
1,2,3,4,7,8,9-HpC		ND(0.000000052)	ND(0.0000000051)	ND(0.000000052)	ND(0.0000000060)
HpCDFs (total)		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000053)
OCDF		ND(0.000000010)	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins					
2,3,7,8-TCDD		ND(0.000000010)	ND(0.000000022)	ND(0.000000014)	ND(0.000000044)
TCDDs (total)		ND(0.000000010)	ND(0.000000022)	ND(0.000000014)	ND(0.0000000044)
1,2,3,7,8-PeCDD		ND(0.0000000052)	ND(0.0000000022)	ND(0.0000000014)	ND(0.00000000000000000000000000000000000
PeCDDs (total)		ND(0.0000000052)	ND(0.0000000051)	ND(0.000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD		ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	,	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCI	חנ	ND(0.0000000052)	ND(0.00000000000000000000000000000000000	ND(0.0000000052)	ND(0.00000000000000000000000000000000000
HpCDDs (total)		ND(0.0000000052)	ND(0.00000000000000000000000000000000000	ND(0.0000000052)	ND(0.0000000085)
OCDD (Iotal)		ND(0.00000000000000000000000000000000000	ND(0.0000000000)	ND(0.00000000000000000000000000000000000	0.000000017 J
Total TEQs (WHO		0.000000068	0.000000073	0.0000000000000000000000000000000000000	0.0000000173
Inorganics-Unfilte		0.000000008	0.000000073	0:000000007	0.000000004
Sulfide	i eu	ND(1.00) J	ND(1.00)	1.00 J	ND(1.00)
	-1	ND(1.00) 3	ND(1.00)	1.00 J	ND(1.00)
Inorganics-Filtere	a				
Antimony		ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium		0.0609 B	0.00804 B	0.0276 B	0.00521 B
Beryllium		0.00251 J	ND(0.0100) J	ND(0.0100) J	0.00141 J
Cadmium		ND(0.00500) J	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Chromium		0.00134 B	0.00179 B	0.00134 B	0.00210 B
Cobalt		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Copper		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Cyanide-MADEP (	PAC)	ND(0.00600)	ND(0.00600)	ND(0.00600)	ND(0.00600)
Lead		ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury		ND(0.000285)	ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Selenium		ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Cilver		ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Silver		ND(0.0100)			
Thallium		ND(0.0100) J	0.00656 J	0.0148 J	0.00674 J
Thallium Tin		ND(0.0100) J ND(0.0100) J	0.00656 J ND(0.0100) J	0.0148 J ND(0.0100) J	ND(0.0100) J
Thallium		ND(0.0100) J	0.00656 J	0.0148 J	

**Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4** General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

#### Notes:

- 1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric
   Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
- ND Analyte was not detected. The number in parentheses is the associated detection limit.
- Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
- 5. Field duplicate sample results are presented in brackets.

#### Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans)

- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

# Inorganics

- B Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J Indicates that the associated numerical value is an estimated concentration.

# ARCADIS

Appendix D

Historical Groundwater Data

#### Table D-1 OPCA Monitoring Program

Sample ID:	78-1	78-1	78-1	78-1
Parameter Date Collected:		05/01/01	04/20/07	10/09/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	ND(0.0050) J	0.0023 J
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0010)	0.00048 J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	0.0047 J	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.20)	0.0047 J	ND(0.10)	0.0028 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.00010)	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.00010)	ND(0.000065)	NA	NA
Total PCBs	ND(0.00010)	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1254	NA	ND(0.000065)	ND(0.00012)	ND(0.00010)
Aroclor-1260	NA	ND(0.000065)	ND(0.00012)	ND(0.00010)
Total PCBs	NA	ND(0.000065)	ND(0.00012)	ND(0.00010)
Semivolatile Organics	•	•	•	•
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans	•	•		
2,3,7,8-TCDF	ND(0.0000000060)	ND(0.000000011)	0.000000040 J	ND(0.000000018)
TCDFs (total)	ND(0.0000000060)	ND(0.00000010) X	0.000000040 J	0.00000012 J
1,2,3,7,8-PeĆDF	ND(0.000000021)	ND(0.000000013) XB	ND(0.000000054)	ND(0.000000050)
2,3,4,7,8-PeCDF	ND(0.000000020)	ND(0.000000012)	ND(0.000000054)	ND(0.000000050)
PeCDFs (total)	ND(0.000000021)	ND(0.00000024)	ND(0.000000054)	0.00000034 J
1,2,3,4,7,8-HxCDF	ND(0.000000060)	ND(0.000000021)	ND(0.000000054)	ND(0.000000050)
1,2,3,6,7,8-HxCDF	ND(0.000000062)	ND(0.0000000080)	ND(0.000000054)	ND(0.000000050)
1,2,3,7,8,9-HxCDF	ND(0.000000059)	ND(0.0000000090)	ND(0.000000054)	ND(0.000000050)
2,3,4,6,7,8-HxCDF	ND(0.000000064)	ND(0.0000000080)	ND(0.000000054)	ND(0.000000050)
HxCDFs (total)	ND(0.000000064)	ND(0.000000044)	ND(0.000000054)	0.00000010 J
1,2,3,4,6,7,8-HpCDF	ND(0.00000011)	ND(0.000000013)	ND(0.000000054)	ND(0.000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.00000011)	ND(0.000000017)	ND(0.000000054)	ND(0.000000050)
HpCDFs (total)	ND(0.00000011)	ND(0.000000015)	ND(0.000000054)	ND(0.000000050)
OCDF	ND(0.00000011)	ND(0.000000032)	ND(0.00000011)	ND(0.00000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000090)	ND(0.000000014)	ND(0.000000023)	ND(0.000000012)
TCDDs (total)	ND(0.0000000090)	ND(0.000000014)	ND(0.000000023)	ND(0.000000012)
1,2,3,7,8-PeCDD	ND(0.000000071)	ND(0.000000016)	ND(0.000000054)	ND(0.000000050)
PeCDDs (total)	ND(0.000000071)	ND(0.000000016)	ND(0.000000054)	ND(0.000000050)
1,2,3,4,7,8-HxCDD	ND(0.000000069)	ND(0.000000014)	ND(0.000000054)	ND(0.000000050)
1,2,3,6,7,8-HxCDD	ND(0.000000086)	ND(0.000000014)	ND(0.000000054)	ND(0.000000050)
1,2,3,7,8,9-HxCDD	ND(0.000000077)	ND(0.000000013)	ND(0.000000054)	ND(0.000000050)
HxCDDs (total)	ND(0.000000086)	ND(0.00000012) X	ND(0.000000054)	ND(0.000000050)
1,2,3,4,6,7,8-HpCDD	ND(0.00000013)	ND(0.000000026)	ND(0.000000054)	ND(0.000000050)
HpCDDs (total)	ND(0.00000013)	ND(0.000000026)	ND(0.000000054)	ND(0.000000050)
OCDD	ND(0.00000017)	ND(0.000000038) XB	ND(0.00000011)	ND(0.00000010)
Total TEQs (WHO TEFs)	0.000000071	0.000000024	0.000000077	0.000000064

#### Table D-1 OPCA Monitoring Program

	Sample ID:	78-1	78-1	78-1	78-1
Parameter	Date Collected:	06/14/99	05/01/01	04/20/07	10/09/07
Inorganics-U	nfiltered				
Antimony		ND(0.0600)	ND(0.0600)	NA	NA
Arsenic		ND(0.00600)	ND(0.0100)	NA	NA
Barium		0.0250	0.0330 B	NA	NA
Beryllium		ND(0.00600)	ND(0.00100)	NA	NA
Cadmium		ND(0.00600)	ND(0.00500)	NA	NA
Chromium		ND(0.0130)	ND(0.0100)	NA	NA
Cobalt		ND(0.0600)	ND(0.0500)	NA	NA
Copper		ND(0.0330)	0.00550 J	NA	NA
Mercury		ND(0.000500)	ND(0.000200)	NA	NA
Nickel		ND(0.0600)	ND(0.0400)	NA	NA
Selenium		ND(0.00600) J	ND(0.00500) J	NA	NA
Silver		ND(0.0130)	ND(0.00500)	NA	NA
Sulfide		ND(5.00)	ND(5.00)	ND(1.00)	R
Thallium		ND(0.0130)	ND(0.0100) J	NA	NA
Tin		ND(0.300)	ND(0.100)	NA	NA
Vanadium		ND(0.0600)	ND(0.0500)	NA	NA
Zinc		0.0290	0.0200	NA	NA
Inorganics-Fi	Itered				
Antimony		NA	ND(0.0600)	ND(0.0400)	ND(0.0400)
Arsenic		NA	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium		NA	0.0260 J	0.0303 B	0.0172 B
Beryllium		NA	ND(0.00100)	ND(0.0100) J	ND(0.0100) J
Cadmium		NA	ND(0.00500)	ND(0.0100) J	ND(0.00500) J
Chromium		NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt		NA	ND(0.0500)	ND(0.0100) J	ND(0.0100)
Copper		NA	0.00420 J	ND(0.0100) J	ND(0.0100)
Mercury		NA	ND(0.000200)	0.000191 B	ND(0.000285)
Nickel		NA	ND(0.0400)	ND(0.0100) J	ND(0.0100)
Selenium		NA	ND(0.00500) J	0.00976 B	ND(0.0200) J
Thallium		NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Tin		NA	ND(0.100)	0.0163 J	ND(0.0100)
Vanadium		NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		NA	0.0160 B	0.00245 B	0.00586 B

#### Table D-1 OPCA Monitoring Program

	Sample ID:	78-1	78-6	78-6	78-6
Parameter	Date Collected:	04/22/08	06/16/99	05/03/01	04/19/07
Volatile Organ	ics				
1,1,1-Trichloroe		ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroeth	ane	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone		ND(0.0050) J	ND(0.10)	ND(0.010)	ND(0.0050) J
Bromoform		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chlorobenzene		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloroform	4	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Dibromochloror		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Tetrachloroethe	ene	ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010) ND(0.0010)
Toluene Trichloroethene	<u></u>	ND(0.0010) J ND(0.0010) J	ND(0.0050) ND(0.0050)	ND(0.0050) ND(0.0050)	ND(0.0010) ND(0.0010)
Trichlorofluoror		ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride	lieulalie	ND(0.0010) J	ND(0.0050)	ND(0.0030)	ND(0.0010) J
Total VOCs		ND(0.0010) J ND(0.10)	ND(0.20)	ND(0.0020)	ND(0.10) J
PCBs-Unfiltere	ad	ND(0.10)	ND(0:20)	ND(0:20)	ND(0:10)
Aroclor-1254	su	NA	ND(0.000050)	ND(0.000065)	NA
Aroclor-1254 Aroclor-1260		NA NA	ND(0.000050)	ND(0.000065)	NA
Total PCBs		NA	ND(0.000050)	ND(0.000065)	NA
PCBs-Filtered		INA	140(0.000030)	140(0.000003)	INA
Aroclor-1254		ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Aroclor-1254 Aroclor-1260		ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Total PCBs		ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Semivolatile O	raanice	ND(0:000000)	NA NA	ND(0.000003)	ND(0:00011)
1.2.4-Trichlorot		ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	Delizerie	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexy	()nhthalate	0.00094 J	ND(0.010)	ND(0.0060)	ND(0.010)
Dibenzofuran	Ipritialate	ND(0.0052)	ND(0.010)	ND(0.0000)	ND(0.010)
Dimethylphthala	ate	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene		ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Furans		(	(	(0.0.0)	
2,3,7,8-TCDF		0.000000045 J	ND(0.000000032)	ND(0.0000000085) XB	ND(0.000000014)
TCDFs (total)		0.000000027	ND(0.000000032)	ND(0.0000000020)	ND(0.0000000014)
1,2,3,7,8-PeCD	)F	0.000000056 J	ND(0.0000000079)	ND(0.0000000030)	ND(0.000000052)
2,3,4,7,8-PeCD		ND(0.000000051)	ND(0.000000083)	ND(0.0000000066)	ND(0.000000052)
PeCDFs (total)		0.000000056 J	ND(0.000000083)	ND(0.000000017)	ND(0.000000052)
1,2,3,4,7,8-HxC	DF	ND(0.000000051)	ND(0.000000042)	ND(0.0000000083) XB	ND(0.000000052)
1,2,3,6,7,8-HxC	DF	ND(0.000000051)	ND(0.000000043)	ND(0.0000000030)	ND(0.000000052)
1,2,3,7,8,9-HxC	DF	ND(0.000000051)	ND(0.000000051)	ND(0.000000030)	ND(0.000000052)
2,3,4,6,7,8-HxC	DF	ND(0.000000051)	ND(0.000000044)	ND(0.0000000030)	ND(0.000000052)
HxCDFs (total)		ND(0.000000051)	ND(0.000000051)	ND(0.0000000083) X	ND(0.000000052)
1,2,3,4,6,7,8-H		ND(0.000000051)	ND(0.00000029)	ND(0.0000000050)	ND(0.000000052)
1,2,3,4,7,8,9-H	pCDF	ND(0.000000051)	ND(0.00000029)	ND(0.0000000060)	ND(0.000000052)
HpCDFs (total)		ND(0.000000051)	ND(0.00000029)	ND(0.0000000050)	ND(0.000000052)
OCDF		ND(0.00000010)	ND(0.00000017)	ND(0.0000000090)	ND(0.00000011)
Dioxins					
2,3,7,8-TCDD		ND(0.000000012)	ND(0.000000035)	ND(0.0000000040)	ND(0.000000016)
TCDDs (total)	_	ND(0.000000012)	ND(0.000000035)	ND(0.000000010) X	ND(0.000000016)
1,2,3,7,8-PeCD		ND(0.000000051)	ND(0.00000034)	ND(0.0000000040)	ND(0.000000052)
PeCDDs (total)		ND(0.000000051)	ND(0.00000034)	ND(0.000000019) X	ND(0.000000052)
1,2,3,4,7,8-HxC		ND(0.000000051)	ND(0.00000014)	ND(0.0000000060)	ND(0.000000052)
1,2,3,6,7,8-HxC		ND(0.000000051)	ND(0.00000017)	ND(0.0000000060) ND(0.00000000050)	ND(0.000000052)
1,2,3,7,8,9-HxC		ND(0.000000051)	ND(0.00000015)	ND(0.00000000000000000000000000000000000	ND(0.000000052)
HxCDDs (total) 1,2,3,4,6,7,8-H		ND(0.000000051) ND(0.000000051)	ND(0.000000017) ND(0.000000029)	ND(0.00000000000000000000000000000000000	ND(0.000000052) ND(0.000000052)
1,2,3,4,6,7,8-H HpCDDs (total)			ND(0.000000029)		· · /
OCDDs (total)		ND(0.000000051) ND(0.000000010)	ND(0.00000029)	ND(0.0000000080) ND(0.0000000079)	ND(0.000000052) ND(0.000000011)
Total TEQs (W		0.000000070	0.000000020)	0.0000000080	0.000000069
	IO IEFS	0.000000070	0.00000025	0.00000000000	0.000000009

<b>.</b> .	Sample ID:	78-1	78-6	78-6	78-6
Parameter	Date Collected:	04/22/08	06/16/99	05/03/01	04/19/07
Inorganics-U	nfiltered				
Antimony		NA	ND(0.0600)	0.00250 J	NA
Arsenic		NA	0.0320	0.0160	NA
Barium		NA	0.0830	0.0960 B	NA
Beryllium		NA	ND(0.00600)	ND(0.00100)	NA
Cadmium		NA	ND(0.00600) J	ND(0.00500)	NA
Chromium		NA	ND(0.0130)	0.00250 B	NA
Cobalt		NA	ND(0.0600)	0.00480 B	NA
Copper		NA	ND(0.0330)	ND(0.0100) J	NA
Mercury		NA	ND(0.000500)	ND(0.000200)	NA
Nickel		NA	ND(0.0600)	ND(0.0400)	NA
Selenium		NA	ND(0.00600)	0.00490 B	NA
Silver		NA	ND(0.0130)	0.0110 J	NA
Sulfide		1.10 J	ND(5.00)	ND(5.00)	ND(1.00)
Thallium		NA	ND(0.0130)	ND(0.0100)	NA
Tin		NA	ND(0.300) j	ND(0.0300)	NA
Vanadium		NA	ND(0.0600)	ND(0.0500)	NA
Zinc		NA	0.0330	0.0110 B	NA
Inorganics-Fi	Itered				
Antimony		ND(0.0400)	NA	0.00370 J	ND(0.0400)
Arsenic		ND(0.0100)	NA	ND(0.0100)	0.00526 B
Barium		0.0174 B	NA	0.0450 B	0.0337 B
Beryllium		ND(0.0100) J	NA	ND(0.00100)	0.00115 J
Cadmium		ND(0.00500) J	NA	ND(0.00500)	ND(0.0100) J
Chromium		0.00118 B	NA	0.00370 B	ND(0.0100) J
Cobalt		ND(0.0100) J	NA	0.00370 B	ND(0.0100) J
Copper		ND(0.0100) J	NA	ND(0.0250)	ND(0.0100) J
Mercury		ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel		ND(0.0100) J	NA	ND(0.0400)	ND(0.0100) J
Selenium		ND(0.0200)	NA	ND(0.00500)	0.00957 B
Thallium		ND(0.0100) J	NA	ND(0.0100) J	ND(0.0100)
Tin		ND(0.0100) J	NA	ND(0.0300)	0.0498
Vanadium		ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0200)	NA	0.0180 J	0.00351 B

Parameter	Sample ID: Date Collected:	78-6 11/13/07	78-6 04/21/08	GMA4-6 04/19/07
Volatile Organ		11/10/07	01/21/00	01/10/01
1,1,1-Trichloroe		ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
1,1-Dichloroeth		ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Acetone		0.0014 J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Bromoform		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform		ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Dibromochloror	nethane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Tetrachloroethe	ene	ND(0.0010) J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene		ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Trichloroethene	)	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Trichlorofluoron	nethane	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Vinyl Chloride		ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Total VOCs		0.0014 J	ND(0.10) [ND(0.10)]	ND(0.10)
PCBs-Unfiltere	ed		•	•
Aroclor-1254		NA	NA	NA
Aroclor-1260		NA	NA	NA
Total PCBs		NA	NA	NA
PCBs-Filtered				
Aroclor-1254		ND(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Aroclor-1260		ND(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Total PCBs		ND(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Semivolatile O	rganics	(/		
1,2,4-Trichlorob		ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
Acenaphthene		ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
bis(2-Ethylhexy	l)phthalate	ND(0.0050)	ND(0.0051) [ND(0.0052)]	0.0016 J
Dibenzofuran	/pritialate	ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
Dimethylphthala	ate	0.00060 J	ND(0.0051) [ND(0.0052)]	ND(0.010)
Naphthalene		0.0016 J	ND(0.0051) [ND(0.0052)]	ND(0.010)
Furans				
2,3,7,8-TCDF		ND(0.000000042)	0.0000000019 J [0.000000032 J]	ND(0.000000018)
TCDFs (total)		0.000000076 J	0.00000028 [0.00000050]	ND(0.000000018)
1,2,3,7,8-PeCD	F	ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
2,3,4,7,8-PeCD		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
PeCDFs (total)		ND(0.000000052)	0.000000052 J [0.000000059 J]	ND(0.000000053)
1,2,3,4,7,8-HxC	DF	ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
1,2,3,6,7,8-HxC		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
1,2,3,7,8,9-HxC		ND(0.000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.000000053)
2,3,4,6,7,8-HxC		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
HxCDFs (total)		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
1,2,3,4,6,7,8-H	DCDF	ND(0.000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.000000053)
1,2,3,4,7,8,9-H	CDF	ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
HpCDFs (total)		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
OCDF		ND(0.000000011)	ND(0.000000010) [ND(0.000000010)]	ND(0.00000011)
Dioxins		· · ·		· · ·
2,3,7,8-TCDD		ND(0.000000037)	ND(0.000000014) [ND(0.000000010)]	ND(0.000000022)
TCDDs (total)		ND(0.000000037)	ND(0.000000014) [ND(0.0000000010)]	ND(0.000000022)
1,2,3,7,8-PeCD	D	ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
PeCDDs (total)		ND(0.000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.000000053)
1,2,3,4,7,8-HxC	DD	ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
1,2,3,6,7,8-HxC		ND(0.000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
1,2,3,7,8,9-HxC		ND(0.0000000052)	ND(0.000000051) [ND(0.000000051)]	ND(0.000000053)
HxCDDs (total)		ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,4,6,7,8-H	CDD	ND(0.000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.000000053)
HpCDDs (total)		ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	0.000000060 J
OCDD		ND(0.000000011)	ND(0.000000010) [ND(0.000000010)]	0.000000040 J
Total TEQs (WI	HO TEEs)	0.000000080	0.000000067 [0.000000067]	0.0000000072
		0.0000000000		0.000000072

	Sample ID:	78-6	78-6	GMA4-6
Parameter	Date Collected:	11/13/07	04/21/08	04/19/07
Inorganics-U	nfiltered			
Antimony		NA	NA	NA
Arsenic		NA	NA	NA
Barium		NA	NA	NA
Beryllium		NA	NA	NA
Cadmium		NA	NA	NA
Chromium		NA	NA	NA
Cobalt		NA	NA	NA
Copper		NA	NA	NA
Mercury		NA	NA	NA
Nickel		NA	NA	NA
Selenium		NA	NA	NA
Silver		NA	NA	NA
Sulfide		ND(1.00) J	ND(1.00) J [ND(1.00) J]	1.10
Thallium		NA	NA	NA
Tin		NA	NA	NA
Vanadium		NA	NA	NA
Zinc		NA	NA	NA
Inorganics-Fi	Itered			•
Antimony		ND(0.0400)	ND(0.0400) [ND(0.0400)]	0.00696 B
Arsenic		0.00588 J	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium		0.0667 B	0.0340 B [0.0353 B]	0.0410 B
Beryllium		0.000850 J	ND(0.0100) J	0.00578 J
Cadmium		ND(0.00500)	ND(0.00500) J	ND(0.0100) J
Chromium		ND(0.0100)	0.00209 B [ND(0.0100)]	ND(0.0100) J
Cobalt		ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Copper		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Mercury		ND(0.000285)	ND(0.000285) [ND(0.000285)]	ND(0.000285)
Nickel		ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Selenium ND(0.0200) J		ND(0.0200) [ND(0.0200)]	0.0110 B	
Thallium ND(0.0100) J		0.00625 J	ND(0.0100)	
Tin ND(0.0100) J		ND(0.0100) J	ND(0.0100) J	
		ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc		ND(0.0200)	ND(0.0200) [ND(0.0200)]	0.119

	Sample ID:	GMA4-6	GMA4-6	H78B-15	H78B-15
Parameter	Date Collected:	10/08/07	04/21/08	06/16/99	05/03/01
Volatile Organi					
1,1,1-Trichloroe		ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
1,1-Dichloroetha	ane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Acetone		ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.010)
Bromoform		ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chloroform	41	ND(0.0010)	0.0030	ND(0.0050)	ND(0.0050)
Dibromochloron		ND(0.0010) ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Tetrachloroethe Toluene	ne	ND(0.0010)	ND(0.0010) ND(0.0010) J	ND(0.0050) ND(0.0050)	ND(0.0020)
Trichloroethene		ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050) ND(0.0050)
Trichlorofluoron		ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	lethane	ND(0.0010)	ND(0.0010) J	ND(0.0030)	ND(0.0020)
Total VOCs		ND(0.10)	0.0030	ND(0.20)	ND(0.0020)
PCBs-Unfiltere	d	ND(0:10)	0.0030	ND(0.20)	ND(0:20)
	u	NA	NA	0.000035 J	
Aroclor-1254 Aroclor-1260		NA	NA NA	ND(0.000050)	ND(0.000065) ND(0.000065)
Total PCBs		NA	NA	0.000035 J	ND(0.000065)
PCBs-Filtered		NA	INA	0.000030 J	
				NIA	
Aroclor-1254 Aroclor-1260		ND(0.00010)	ND(0.000068)	NA NA	ND(0.000065)
Total PCBs		ND(0.00010)	ND(0.000068) ND(0.000068)	NA	ND(0.000065)
		ND(0.00010)	ND(0.00008)	NA	ND(0.000065)
Semivolatile O	-				
1,2,4-Trichlorob	enzene	ND(0.010)	ND(0.0052) ND(0.0052)	ND(0.010)	ND(0.010)
Acenaphthene	labthalata	ND(0.010)	(*****)	ND(0.010)	ND(0.010)
bis(2-Ethylhexy Dibenzofuran	I)phthalate	ND(0.010) ND(0.010)	ND(0.0052) ND(0.0052)	ND(0.010) ND(0.010)	ND(0.0060) ND(0.010)
Dimethylphthala	ato.	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Naphthalene	ale	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Furans		ND(0:010)	ND(0.0052)	ND(0.010)	ND(0:010)
2,3,7,8-TCDF		ND(0.000000026)	ND(0.00000010)	ND(0.000000015)	ND(0.0000000040)
TCDFs (total)		0.000000028)	ND(0.000000010)	ND(0.000000015)	ND(0.0000000040)
1,2,3,7,8-PeCD	C .	ND(0.00000023 J	ND(0.00000000000000000000000000000000000	ND(0.0000000036)	ND(0.0000000012)
2,3,4,7,8-PeCD		ND(0.00000000000000000000000000000000000	ND(0.000000052)	ND(0.000000034)	ND(0.00000000055) XB
PeCDFs (total)	F	0.0000000076 J	ND(0.0000000052)	ND(0.000000034)	ND(0.00000000033) XB
1,2,3,4,7,8-HxC	DE	ND(0.0000000050)	ND(0.0000000052)	ND(0.00000000017)	ND(0.000000015) XB
1,2,3,6,7,8-HxC		ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000017)	ND(0.00000000040)
1,2,3,7,8,9-HxC		ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000023)	ND(0.00000000050)
2,3,4,6,7,8-HxC		ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000018)	ND(0.0000000040)
HxCDFs (total)		ND(0.0000000050)	ND(0.0000000052)	ND(0.000000023)	ND(0.0000000058)
1,2,3,4,6,7,8-Hp	CDF	ND(0.0000000050)	ND(0.000000052)	ND(0.00000032)	ND(0.00000000000)
1,2,3,4,7,8,9-Hp		ND(0.000000050)	ND(0.000000052)	ND(0.00000015)	ND(0.0000000086) XB
HpCDFs (total)		ND(0.000000050)	ND(0.000000052)	ND(0.00000032)	ND(0.0000000086) X
OCDF		ND(0.00000010)	ND(0.00000011)	ND(0.000000076)	ND(0.000000026)
Dioxins		, , ,	,	,	, , ,
2,3,7,8-TCDD		ND(0.000000034)	ND(0.00000010)	ND(0.000000035)	ND(0.000000017) XB
TCDDs (total)		ND(0.000000034)	ND(0.00000010)	ND(0.000000035)	ND(0.000000031) X
1.2.3.7.8-PeCD	D	ND(0.000000050)	ND(0.000000052)	ND(0.000000071)	ND(0.0000000060)
PeCDDs (total)		ND(0.0000000050)	ND(0.000000052)	ND(0.000000071)	ND(0.000000018) X
1,2,3,4,7,8-HxC	DD	ND(0.0000000050)	ND(0.000000052)	ND(0.000000056)	ND(0.0000000080)
1,2,3,6,7,8-HxC		ND(0.000000050)	ND(0.000000052)	ND(0.000000070)	ND(0.000000012)
1,2,3,7,8,9-HxC		ND(0.0000000050)	ND(0.000000052)	ND(0.000000062)	ND(0.0000000095) XB
HxCDDs (total)		ND(0.0000000050)	ND(0.000000052)	ND(0.0000000070)	0.000000032
1,2,3,4,6,7,8-Hp	CDD	ND(0.000000050)	ND(0.000000077)	ND(0.00000011)	0.000000052 JB
,,,,,,		ND(0.000000050)	ND(0.000000077)	ND(0.00000011)	ND(0.000000052)
HpCDDs (total)					
OCDDs (total) OCDD Total TEQs (WH		ND(0.00000010)	ND(0.00000012)	ND(0.000000090)	ND(0.000000077)

	Sample ID:	GMA4-6	GMA4-6	H78B-15	H78B-15
Parameter	Date Collected:	10/08/07	04/21/08	06/16/99	05/03/01
Inorganics-U	nfiltered				
Antimony		NA	NA	ND(0.0600)	0.00290 J
Arsenic		NA	NA	ND(0.00600)	ND(0.0100)
Barium		NA	NA	0.0570	0.00430 B
Beryllium		NA	NA	ND(0.00600)	ND(0.00100)
Cadmium		NA	NA	ND(0.00600) J	ND(0.00500)
Chromium		NA	NA	ND(0.0130)	0.00290 B
Cobalt		NA	NA	ND(0.0600)	ND(0.0500)
Copper		NA	NA	ND(0.0330)	0.00910 B
Mercury		NA	NA	ND(0.000500)	ND(0.000200)
Nickel		NA	NA	ND(0.0600)	ND(0.0400)
Selenium		NA	NA	ND(0.00600)	ND(0.00500)
Silver		NA	NA	ND(0.0130)	ND(0.00500)
Sulfide		ND(1.00) J	1.00 J	ND(5.00)	ND(5.00)
Thallium		NA	NA	ND(0.0130)	ND(0.0100) J
Tin		NA	NA	ND(0.300) j	ND(0.0300)
Vanadium		NA	NA	ND(0.0600)	ND(0.0500)
Zinc		NA	NA	0.0830	0.0110 J
Inorganics-Fi	Itered			· · · · · · · · · · · · · · · · · · ·	
Antimony		ND(0.0400)	ND(0.0400)	NA	ND(0.0100) J
Arsenic		ND(0.0100) J	ND(0.0100)	NA	ND(0.0100)
Barium		0.00701 B	ND(0.100)	NA	0.00460 B
Beryllium		ND(0.0100) J	ND(0.0100) J	NA	ND(0.00100)
Cadmium		ND(0.00500) J	ND(0.00500) J	NA	ND(0.00500)
Chromium		ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Cobalt		ND(0.0100)	ND(0.0100) J	NA	ND(0.0500)
Copper		ND(0.0100)	ND(0.0100) J	NA	0.00610 B
Mercury		ND(0.000285)	ND(0.000285)	NA	ND(0.000200)
Nickel		0.00564 B	ND(0.0100) J	NA	ND(0.0400)
Selenium		ND(0.0200) J	ND(0.0200)	NA	ND(0.00500)
Thallium		0.00652 B	ND(0.0100) J	NA	ND(0.0100) J
Tin		ND(0.0100)	ND(0.0100) J	NA	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc		0.0123 B	0.00957 B	NA	0.0180 J

Sample I Parameter Date Collecte		H78B-15 10/10/07	H78B-15 04/23/08
Volatile Organics	d. 04/10/07	10/10/07	04/25/00
1,1,1-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1.1-Dichloroethane	ND(0.0010) [ND(0.0010)]	0.00010 J	ND(0.0010)
Acetone	ND(0.0050) [ND(0.0050)]	0.0031 J	ND(0.0050) J
Bromoform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0010) [ND(0.0010)]	0.00023 J	ND(0.0010)
Trichlorofluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.10) [ND(0.10)]	0.0034 J	ND(0.10)
PCBs-Unfiltered			
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered	-		
Aroclor-1254	ND(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Aroclor-1260	ND(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Total PCBs	ND(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
bis(2-Ethylhexyl)phthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Furans			
2,3,7,8-TCDF	ND(0.000000013) [ND(0.000000016)]	ND(0.000000017)	ND(0.000000033)
TCDFs (total)	ND(0.000000013) [ND(0.000000016)]	ND(0.000000017)	ND(0.000000033)
1,2,3,7,8-PeCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
2,3,4,7,8-PeCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
PeCDFs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,4,7,8-HxCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,6,7,8-HxCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,7,8,9-HxCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
2,3,4,6,7,8-HxCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
HxCDFs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000063)
HpCDFs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000056)
OCDF	ND(0.000000010) [ND(0.000000010)]	ND(0.00000011)	ND(0.00000031)
Dioxins			
2,3,7,8-TCDD	ND(0.000000015) [ND(0.0000000019)]	ND(0.000000020)	ND(0.000000043)
TCDDs (total)	ND(0.000000015) [ND(0.000000019)]	ND(0.000000020)	ND(0.000000043)
1,2,3,7,8-PeCDD	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
PeCDDs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000052)
1,2,3,4,7,8-HxCDD	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000053)
1,2,3,6,7,8-HxCDD	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000054)
1,2,3,7,8,9-HxCDD	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000055)
HxCDDs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000054)
1,2,3,4,6,7,8-HpCDD	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000074)
HpCDDs (total)	ND(0.000000051) [ND(0.000000052)]	ND(0.000000052)	ND(0.000000074)
	ND(0.00000010) [ND(0.00000010)]	ND(0.000000011)	ND(0.00000037)
Total TEQs (WHO TEFs)	0.000000066 [0.000000069]	0.000000070	0.000000083

	Sample ID:	H78B-15	H78B-15	H78B-15
Parameter	Date Collected:	04/18/07	10/10/07	04/23/08
Inorganics-U	nfiltered			
Antimony		NA	NA	NA
Arsenic		NA	NA	NA
Barium		NA	NA	NA
Beryllium		NA	NA	NA
Cadmium		NA	NA	NA
Chromium		NA	NA	NA
Cobalt		NA	NA	NA
Copper		NA	NA	NA
Mercury		NA	NA	NA
Nickel		NA	NA	NA
Selenium		NA	NA	NA
Silver		NA	NA	NA
Sulfide		ND(1.00) [ND(1.00)]	ND(1.00) J	ND(1.00)
Thallium		NA	NA	ŇA
Tin		NA	NA	NA
Vanadium		NA	NA	NA
Zinc		NA	NA	NA
Inorganics-Fi	Itered			
Antimony		ND(0.0400) [ND(0.0400)]	ND(0.0400)	ND(0.0400)
Arsenic		ND(0.0100) J [ND(0.0100) J]	0.00346 B	ND(0.0100)
Barium		0.00872 B [0.00850 B]	0.0546 B	ND(0.100)
Beryllium		0.00529 B [ND(0.0100)]	ND(0.0100)	0.000940 J
Cadmium		ND(0.0100) [ND(0.0100)]	ND(0.00500) J	ND(0.00500) J
Chromium		ND(0.0100) [ND(0.0100)]	ND(0.0100) J	0.00134 B
Cobalt		ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100) J
Copper		ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	ND(0.0100) J
Mercury		ND(0.000285) [ND(0.000285)]	ND(0.000285)	ND(0.000285)
Nickel		ND(0.0100) [0.00519 B]	ND(0.0100)	ND(0.0100) J
Selenium	Selenium ND(0.0200		ND(0.0200)	ND(0.0200)
		ND(0.0100) J [ND(0.0100)]	ND(0.0100) J	ND(0.0100) J
		ND(0.0100) J [0.00892 J]	ND(0.0100)	ND(0.0100) J
Vanadium		ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc		0.00361 B [ND(0.0200)]	0.194	ND(0.0200)

Sample ID:	NY-4	NY-4	OPCA-MW-1	OPCA-MW-1
Parameter Date Collected:	06/14/99	04/30/01	06/16/99	05/02/01
Volatile Organics		•	•	
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.10)	ND(0.010)	ND(0.10)	ND(0.010)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	0.00012	0.00023	0.000054	ND(0.000065)
Aroclor-1260	ND(0.00010)	0.000080	ND(0.000050)	ND(0.000065)
Total PCBs	0.00012	0.00031	0.000054	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	NA	0.00011	NA	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)
Total PCBs	NA	0.00011	NA	ND(0.000065)
Semivolatile Organics	101	0.00011		112(0.000000)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.012)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.000)	ND(0.012)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Furans	ND(0.010)	ND(0.010)	ND(0.012)	NB(0.010)
2,3,7,8-TCDF	ND(0.000000020)	ND(0.000000011)	ND(0.000000011)	ND(0.000000013)
TCDFs (total)	ND(0.000000020)	ND(0.000000018) X	0.000000000000000000000000000000000000	ND(0.0000000013)
1,2,3,7,8-PeCDF	ND(0.00000000074)	ND(0.000000012)	ND(0.0000000025)	ND0.000000037)
2,3,4,7,8-PeCDF	ND(0.00000000000000000000000000000000000	0.000000034 J	ND(0.000000023)	ND(0.0000000015)
PeCDFs (total)	ND(0.00000000000000000000000000000000000	0.000000034 J	ND(0.000000024)	ND(0.0000000015)
1,2,3,4,7,8-HxCDF	ND(0.0000000014)	ND(0.00000013)	ND(0.00000000000000000000000000000000000	ND(0.00000000000000000000000000000000000
1,2,3,6,7,8-HxCDF	ND(0.00000021)	ND(0.000000013) ND(0.0000000032)	ND(0.0000000011)	ND(0.0000000025)
			(**************************************	
1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF	ND(0.00000021) ND(0.00000023)	ND(0.000000010) ND(0.000000017)	ND(0.000000016) ND(0.0000000012)	ND(0.000000021) ND(0.00000000090)
HxCDFs (total)	ND(0.00000023)	ND(0.000000017)	ND(0.000000012)	ND(0.00000000000000000000000000000000000
1,2,3,4,6,7,8-HpCDF	ND(0.000000023)	ND(0.000000027)	ND(0.00000000000000000000000000000000000	ND(0.0000000046)
1,2,3,4,7,8,9-HpCDF	ND(0.000000054)	0.000000034 JB	ND(0.0000000090)	ND(0.0000000025)
HpCDFs (total)			(***********	
OCDFS (total)	ND(0.00000054)	ND(0.00000014) 0.00000023 J	0.000000078 J	ND(0.000000025)
Dioxins	ND(0.00000067)	0.00000023 J	ND(0.000000037)	ND(0.000000046)
		0.00000017		
2,3,7,8-TCDD	ND(0.000000030)	0.00000017	ND(0.000000012)	ND(0.000000018)
TCDDs (total)	ND(0.000000030)	0.00000017	ND(0.000000012)	ND(0.000000018)
1,2,3,7,8-PeCDD	ND(0.00000031)	ND(0.000000018)	ND(0.000000046)	ND(0.000000015)
PeCDDs (total)	ND(0.00000031)	ND(0.000000093)	ND(0.000000046)	ND(0.000000015)
1,2,3,4,7,8-HxCDD	ND(0.00000032)	ND(0.000000016)	ND(0.000000034)	ND(0.000000012)
1,2,3,6,7,8-HxCDD	ND(0.00000040)	ND(0.00000017)	ND(0.000000042)	ND(0.000000013)
1,2,3,7,8,9-HxCDD	ND(0.00000036)	ND(0.00000012)	ND(0.000000038)	ND(0.000000012)
HxCDDs (total)	ND(0.00000040)	ND(0.00000062)	ND(0.000000042)	ND(0.000000025)
1,2,3,4,6,7,8-HpCDD	ND(0.00000082)	0.00000084 B	ND(0.000000070)	ND(0.000000045)
HpCDDs (total)	ND(0.00000082)	0.0000012	ND(0.000000070)	ND(0.000000045)
OCDD	ND(0.00000084)	ND(0.00000048)	ND(0.000000044)	ND(0.00000029)
Total TEQs (WHO TEFs)	0.00000029	0.00000023	0.000000046	0.000000028

	Sample ID:	NY-4	NY-4	OPCA-MW-1	OPCA-MW-1
Parameter	Date Collected:	06/14/99	04/30/01	06/16/99	05/02/01
Inorganics-U	nfiltered				
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic		ND(0.00600)	0.00450 B	ND(0.00600)	0.00450 B
Barium		0.0200	0.0300 B	0.0620	0.0240 B
Beryllium		ND(0.00600)	ND(0.00100)	ND(0.00600)	ND(0.00100)
Cadmium		ND(0.00600)	ND(0.00500)	ND(0.00600) J	ND(0.00500)
Chromium		ND(0.0130)	0.00460 B	ND(0.0130)	ND(0.025) J
Cobalt		ND(0.0600)	ND(0.0500)	ND(0.0600)	0.000350 B
Copper		ND(0.0330)	0.0100 B	ND(0.0330)	ND(0.0250)
Mercury		ND(0.000500)	ND(0.000200)	ND(0.000500)	ND(0.000200)
Nickel		ND(0.0600)	ND(0.0400)	ND(0.0600)	ND(0.0400)
Selenium		ND(0.00600) J	0.0080 J	ND(0.00600)	ND(0.00500)
Silver		ND(0.0130)	ND(0.00500)	ND(0.0130)	ND(0.00500)
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium		ND(0.0130)	ND(0.0100)	ND(0.0130)	ND(0.010) J
Tin		ND(0.300)	ND(0.0300)	ND(0.300) j	ND(0.0300)
Vanadium		ND(0.0600)	ND(0.0500)	ND(0.0600)	ND(0.0500)
Zinc		ND(0.0260)	0.0350	ND(0.0260)	0.028 J
Inorganics-Fi	Itered	· · ·			
Antimony		NA	ND(0.0600)	NA	ND(0.0600)
Arsenic		NA	ND(0.0100)	NA	ND(0.0100)
Barium		NA	0.0170 B	NA	0.0230 B
Beryllium		NA	ND(0.00100)	NA	ND(0.00100)
Cadmium		NA	ND(0.00500)	NA	ND(0.00500)
Chromium		NA	ND(0.0100)	NA	ND(0.025) J
Cobalt		NA	ND(0.0500)	NA	ND(0.0500)
Copper		NA	0.00410 B	NA	0.00420 B
Mercury		NA	ND(0.000200)	NA	ND(0.000200)
Nickel		NA	ND(0.0400)	NA	ND(0.0400)
Selenium		NA	0.0075 J	NA	ND(0.00500)
Thallium		NA	ND(0.0100)	NA	ND(0.010) J
Tin		NA	ND(0.0300)	NA	ND(0.0300)
Vanadium		NA	ND(0.0500)	NA	ND(0.0500)
Zinc		NA	0.0180 B	NA	0.028 J

Votatile Organics         ND(0.0010)         ND(0.0050)         ND(0.0010)         ND(0.010)	Devementer	Sample ID: Date Collected:	OPCA-MW-1R	OPCA-MW-1R	OPCA-MW-2
11.1-Tichloroethane         ND(0.0010)         ND(0.0050)         ND(0.0050)           1.1-Dichloroethane         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Bromborn         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Chiorobenzene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Chiorobenzene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Dibromochioromethane         ND(0.0010)         ND(0.0050)         ND(0.0000)         NA         NA         NA         ND(0.0000)         NA         NA         NA         ND(0.0010)         ND(0.010)         ND(0.010)         ND(0.010)			04/19/07	10/05/07	06/15/99
1.1-Dickiorcethane         ND(0.0010)         ND(0.0050)         ND(0.0050)           Aceione         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Bromdorm         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Chlorobenzane         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Chlorobenzane         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Dibromochloromethane         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Tolkene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Trichioroethene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Trichioroethene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Trichioroethene         ND(0.0010)         ND(0.0010)         ND(0.00050)         ND(0.00050)           Torichioroethene         ND(0.0010)         ND(0.00050)         ND(0.00050)         ND(0.00050)           Torichioroethene         ND(0.0011)         ND(0.0010)         ND(0.0010)         ND(0.0010)           Torichioroethene         ND(0.0011)         ND(0.0010)         ND(0.				ND(0.0010)	
Acetone         ND(0.0050) J         ND(0.0050) J         ND(0.010)         ND(0.0050) IND(0.0050)           Bromdorm         ND(0.0010)         ND(0.0010)         ND(0.0050) IND(0.0050)         IND(0.0050)           Chioratorm         ND(0.0010)         ND(0.0010)         ND(0.0050) IND(0.0050)         IND(0.0050)           Diaromachioromethane         ND(0.0010)         ND(0.0010)         ND(0.0050) IND(0.0050)         IND(0.0050)           Tetrachioroethene         0.012         0.018         ND(0.0050) IND(0.0050)         IND(0.0050)           Trichioroethene         ND(0.010)         ND(0.0010)         ND(0.0050) IND(0.0050)         IND(0.0050)           Trichioroethene         ND(0.010)         ND(0.0010)         ND(0.0050) IND(0.0050)         IND(0.0050)           Trichioroethene         ND(0.0010)         ND(0.0010)         ND(0.00050) IND(0.00050)         IND(0.00050)           Total VCCs         0.012         0.015         ND(0.00050) IND(0.000050)         IND(0.00050)           Total VCCs         0.012         NA         NA         NA         ND(0.00050)           Total VCS         NA         NA         ND(0.00010)         NA         Accider-1254           Arcider-1250         NA         NA         NA         ND(0.0010)         NA			( )		
Bromdorm         ND(0.0010)         ND(0.0050)         ND(0.0050)           Chlorobenzene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Chlorobenzene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Dibromochloromethane         ND(0.010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Tetrachloroethene         ND(0.010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Trichloroethene         ND(0.010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Trichloroethene         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Trichloroethene         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)           Trichloroethene         ND(0.0010)         ND(0.00050)         ND(0.00050)         ND(0.00050)           Total PCBs         NA         NA         NA         ND(0.00050)         ND(0.00050)           Total PCBs         NA         NA         NA         ND(0.00050)         ND(0.00050)           PCBs-Filtered           ND(0.0010)         NA         Arcolor-1260         ND(0.0001)         NA           Total PCBs         ND(0.0001	1	ne	1 1	· · · · /	
Chlorobenzene         ND(0.0010)         ND(0.0050)         ND(0.00050)         ND(0.00000000000)         NA         ND(0.010)         NA         ND(0.010)         NA         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0			( /	· · · /	
Chloraform         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.00050)         ND(0.010)         NA         ND(0.010)         NA         ND(0.010)         NA         ND(0.010)         NA         ND(0.010)         NA         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010) </td <td></td> <td></td> <td>( /</td> <td>( )</td> <td></td>			( /	( )	
Dibronchloromethane         ND(0.0010)         ND(0.0010)         ND(0.0050)         IND(0.0050)           Tetrachloroethene         0.012         0.015         ND(0.0050)         ND(0.00050)         ND(0.00010)         NA         Arcolar-1250         ND(0.00011)         ND(0.00010)         NA         Arcolar-1250         ND(0.00011)         ND(0.00010)         NA         Arcolar-1250         ND(0.00011)         ND(0.00010)         NA         Semivolatile Organics         X-colar-1260         ND(0.00011)         ND(0.0010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.0100)         ND(0.010)         ND(0.0			( /		
Tetrachloroethene         0.012         0.015         ND(0.0050)         ND(0.0050)         ND(0.0050)           Toluene         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0010)         ND(0.000050)         ND(0.000050)         ND(0.00010)         NA         NA <td></td> <td>ethane</td> <td>, , , , , , , , , , , , , , , , , , ,</td> <td></td> <td></td>		ethane	, , , , , , , , , , , , , , , , , , ,		
Trichloroethane         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0050)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.00050)         ND(0.00050)         ND(0.00050)         ND(0.000050)         ND(0.0000050)         ND(0.00000050)         ND(0.010         NA         ND(0.010         NA         ND(0.010         NA         Semivolatile Organics         ND(0.010)         ND(0.0100)         ND(0.0100)         ND(0			( )		
Trichloroethane         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Trichlorofluctomethane         ND(0.0010)         ND(0.0010)         ND(0.0050)         ND(0.0050)           Toralor VOCs         0.012         0.015         ND(0.0050)         ND(0.0050)           Toralor 1254         NA         NA         ND(0.00050)         ND(0.000050)           Toralor 1256         NA         NA         ND(0.000050)         ND(0.000050)           Toralor 1256         NA         NA         ND(0.000050)         ND(0.000050)           Toralor 1254         NA         NA         NA         ND(0.000050)           Aroclor 1254         ND(0.00011)         ND(0.00010)         NA           Aroclor 1254         ND(0.00011)         ND(0.0010)         NA           Semivolatile Organics         1,2,4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Semivolatile         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberaziuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberaziuran         ND(0.0100)         ND(0.010)         ND(0.0000000000)         ND(0.0000000000) <td< td=""><td>Toluene</td><td></td><td>ND(0.0010)</td><td>ND(0.0010)</td><td>ND(0.0050) [ND(0.0050)]</td></td<>	Toluene		ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Vinyl Choride         ND(0.010) J         ND(0.010)         ND(0.010) [ND(0.00)]           Total VOCs         0.012         0.015         ND(0.20) [ND(0.20)]           PCBs-Unfiltered         NA         NA         NA         ND(0.00050) [ND(0.00050)]           Aroclor-1254         NA         NA         ND(0.000050) [ND(0.000050)]           Total PCBs         NA         NA         ND(0.000050) [ND(0.000050)]           Total PCBs         NA         NA         ND(0.000050) [ND(0.000050)]           Aroclor-1254         ND(0.00011)         ND(0.00010)         NA           Aroclor-1260         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics              12.4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Big2-Ethylhexyliphthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diserzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           S.3,7.8-TCDF         0.000000067 J         0.0000000050)         ND(0.000000008) [ND(0.000000000)         ND(0.000000008) [ND(0.000000000)	Trichloroethene		ND(0.0010)	ND(0.0010)	
Total VOCs         0.012         0.015         ND(0.20) [ND(0.20)]           PCBs-Unfiltered         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Aroclor-1254         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Total PCBs         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered          Aroclor-1250         ND(0.00011)         ND(0.00010)         NA           Aroclor-1260         ND(0.00011)         ND(0.00010)         NA         Semivolatile Organics           12,4-Trichlorobenzene         ND(0.0011)         ND(0.0010)         ND(0.010)         ND(0.010)           Dis/2-Etri/Hevi/Ipithalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dis/2-Etri/Hevi/Ipithalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Jiberzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Jiberzofuran         ND(0.0100)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Jiberzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.000000080)         ND(0.000000080)           Jizezofuran </td <td>Trichlorofluorome</td> <td>ethane</td> <td>ND(0.0010)</td> <td>ND(0.0010)</td> <td>ND(0.0050) [ND(0.0050)]</td>	Trichlorofluorome	ethane	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
PCBs-Unfiltered         NA         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Aroclor-1250         NA         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Toclor-1260         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered         Naccior-1254         ND(0.00011)         ND(0.00010)         NA           Aroclor-1254         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics	Vinyl Chloride		ND(0.0010) J	ND(0.0010)	ND(0.010) [ND(0.010)]
Aroclor-1254         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Aroclor-1260         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered         Aroclor-1254         ND(0.00011)         ND(0.00010)         NA           Aroclor-1260         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         12,4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberozinran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberozinran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberozinran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Ipheras         2.37.8-TCDF         0.000000067 J         0.000000053 J         ND(0.0000000050)         ND(0.0000000050)           1.2.3.7.8-PeCDF         ND(0.000000051)         ND(0.000000050)         ND(0.0000000038 J         ND(0.0000000050)	Total VOCs		0.012	0.015	ND(0.20) [ND(0.20)]
Arcclor-1260         NA         NA         NA         ND(0.000050) [ND(0.000050)]           Total PCBs         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered         Arcclor-1254         ND(0.00011)         ND(0.00010)         NA           Arcclor-1260         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         1.2,4-Trichlorobenzene         ND(0.010)         NA           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofturan         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofturan         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofturan         ND(0.010)         ND(0.010)         ND(0.010)           Dimethylphthalate         ND(0.010)         ND(0.010)         ND(0.010)           Diserzofturan         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           2.3,7.8-TCDF         0.000000067 J         0.000000050)         ND(0.0000000080) [ND(0.00000000000000000000000000000000000	PCBs-Unfiltered	ł		•	
Total PCBs         NA         NA         NA         ND(0.000050) [ND(0.000050)]           PCBs-Filtered         Nacolor-1254         ND(0.00011)         ND(0.00010)         NA           Arcolor-1260         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         I.2,4-Trichlorobenzene         ND(0.010)         ND(0.010)         NA           Semivolatile Organics         I.2,4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Sig2-Etri/hexylphthalte         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dis(2-Etri/hexylphthalte         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dise(2-Etri/hexylphthalte         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dise(2-Etri/hexylphthalte         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dise(2-Etri/hexylphthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.000000000         Stresterstersterstersterstersterstersters	Aroclor-1254		NA	NA	ND(0.000050) [ND(0.000050)]
PCBs-Filtered         ND(0.00011)         ND(0.00010)         NA           Aroclor-1250         ND(0.00011)         ND(0.00010)         NA           Total PCBs         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         1,2,4-Trichlorobenzene         ND(0.010)         ND(0.010)         NA           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Accenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Jbenzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Semithalene         ND(0.010)         ND(0.010)         ND(0.000000080)         ND(0.000000080)         ND(0.00000000000)           2,3,7,8-TCDF         0.000000051         ND(0.000000050)         ND(0.000000080)         ND(0.00000000000000000000000000000000000	Aroclor-1260		NA		
Aroclor-1254         ND(0.00011)         ND(0.00010)         NA           Aroclor-1260         ND(0.00011)         ND(0.00010)         NA           Total PCBs         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         1.2,4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Bis(2-Etrylhexyl)phthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dimethylphthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Furans         2,3,7,8-TCDF         0.000000045 J         0.000000050)         ND(0.0000000000)         ND(0.0000000000)         ND(0.00000000000000)         ND(0.00000000000000000000000000000000000		_	NA	NA	ND(0.000050) [ND(0.000050)]
Aroclor-1260         ND(0.00011)         ND(0.00010)         NA           Total PCBs         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           12.4-Trichlorobenzene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Diberzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Naphthalene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Naphthalene         ND(0.010)         ND(0.010)         ND(0.0000000051)         ND(0.0000000053)         ND(0.0000000050)           12.37.8-P6CDF         ND(0.000000051)         ND(0.000000050)         ND(0.0000000050)         ND(0.000000001)         ND(0.0000000050)         ND(0.000000001)         ND(0.0000000051)         ND(0.0000000050)         ND(0.000000001)         ND(0.000000051)         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         ND(0.000000050)         ND(0.0000000051)         ND(0.000000050)	PCBs-Filtered				
Total PCBs         ND(0.00011)         ND(0.00010)         NA           Semivolatile Organics         I.2.4-Trichlorobenzene         ND(0.010)         ND(0.0000000000)         ND(0.00000	Aroclor-1254		ND(0.00011)	ND(0.00010)	NA
Semivolatile Organics         ND(0.010)         ND(0.0000000000         Terms         Z.3.7.8-TCDF         0.0000000051         ND(0.0000000050)         ND(0.00000000050)         ND(0.00000000050)         ND(0.00000000050)         ND(0.00000000050)         ND(0.00000000050)         ND(0.00000000050)         ND(0.0000000050)			ND(0.00011)		NA
1,2,4-Trichlorobenzene         ND(0.010)         ND(0.0000000051         ND(0.0000000055         ND(0.0000000050)         ND(0.00000000000000000000000000000000000	Total PCBs		ND(0.00011)	ND(0.00010)	NA
Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           bis(2-Ethylhexyl)phthalate         ND(0.010)         ND(0.0000000000         TCDFs (total)         0.0000000051         ND(0.0000000050)         ND(0.00000000000)         ND(0.00000000000000000000000000000000000	Semivolatile Or	ganics			
bis(2-Ethylhexyl)phthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofuran         ND(0.010)         ND(0.00000000000000000000000000000000000	1,2,4-Trichlorobe	enzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran         ND(0.010)         ND(0.00000000000000000000000000000000000	Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dimethylphthalate         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Naphthalene         ND(0.010)         ND(0.00000000000000000000000000000000000	bis(2-Ethylhexyl)	phthalate			
Naphthalene         ND(0.010)         ND(0.00000000000000000000000000000000000	Dibenzofuran		ND(0.010)	ND(0.010)	
Furans         0.0000000045 J         0.0000000025 J         ND(0.0000000080) [ND(0.00000000000000000000000000000000000	/	e	( )	( )	
2,3,7,8-TCDF         0.000000045 J         0.000000025 J         ND(0.000000080) [ND(0.00000000000000000000000000000000000			ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
TCDFs (total)         0.000000067 J         0.00000035 J         ND(0.000000080)         ND(0.00000000000000000000000000000000000					
1,2,3,7,8-PeCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000030)         ND(0.000000030)           2,3,4,7,8-PeCDF         ND(0.000000051)         ND(0.000000050)         ND(0.0000000040)         [ND(0.00000000000000000000000000000000000	1 1 1				ND(0.0000000080) [ND(0.0000000060)]
2,3,4,7,8-PeCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000040)         ND(0.00000000000000000000000000000000000	· · · /				
PecDFs (total)         ND(0.000000051)         0.00000031 J         ND(0.000000040) [ND(0.00000000000000000000000000000000000			· · /		
1,2,3,4,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         ND(0.000000051)           1,2,3,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         [ND(0.0000000051)           1,2,3,7,8,9-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000051)           1,2,3,7,8,9-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         [ND(0.0000000051)           1,2,3,4,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000051)           1,2,3,4,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.000000011)           1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000013)         [ND(0.000000011)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000013)         [ND(0.000000013]           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.0000000010)         ND(0.000000010)           OCDF         0.000000012 J         ND(0.0000000013)         ND(0.0000000015) [ND(0.0000000010)           1,2,3,7,8-PcCDD         ND(0.000000051)         ND(0.0000000013)         ND(0.0000000015) [ND(0.000000007)           1,2,	1 1 1 1		· · · · · ·	· · · · /	
1,2,3,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         ND(0.000000011)           1,2,3,7,8,9-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000017)           2,3,4,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         [ND(0.0000000051)           HxCDFs (total)         ND(0.000000051)         0.00000014         ND(0.000000017)         [ND(0.0000000051)           1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.000000011)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000013)         [ND(0.000000013]           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000013)         [ND(0.000000013]           GCDF         0.000000051)         ND(0.000000050)         ND(0.000000012)         [ND(0.000000010]           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.000000007]           1,2,3,4,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.00000007]           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000007]         [ND(0.000000007]		_	(**********		
1,2,3,7,8,9-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         IND(0.000000014)           2,3,4,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         IND(0.000000051)           HxCDFs (total)         ND(0.000000051)         0.00000014         ND(0.000000017)         IND(0.000000051)           1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         IND(0.000000011)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000013)         IND(0.000000013)           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         IND(0.000000013)           OCDF         0.000000051)         ND(0.000000013)         ND(0.000000012)         IND(0.000000010)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         IND(0.0000000013)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         IND(0.000000007)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         IND(0.000000007)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.0000000017)         IND(0.000000007)			· · /	· · · · · · · · · · · · · · · · · · ·	
2,3,4,6,7,8-HxCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000011)         IND(0.000000051)           HxCDFs (total)         ND(0.000000051)         0.00000014         ND(0.000000017)         IND(0.000000051)           1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         IND(0.000000011)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         IND(0.000000011)           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         IND(0.000000013)           OCDF         0.000000012 J         ND(0.000000013)         ND(0.0000000013)         IND(0.0000000014)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015) [ND(0.0000000015)           1,2,3,7,8-PeCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015) [ND(0.000000007)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.0000000015) [ND(0.00000007)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017) [ND(0.000000061)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017) [ND(0.000000061)           1,2,3,6,7,8-HxCDD         ND(0.000000051) <td></td> <td></td> <td>· · · · · ·</td> <td>· · · · /</td> <td></td>			· · · · · ·	· · · · /	
HxCDFs (total)         ND(0.000000051)         0.0000014         ND(0.000000017)         ND(0.000000051)           1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         [ND(0.0000000117)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000031)         [ND(0.000000013]           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         [0.000000013]           OCDF         0.000000012 J         ND(0.000000010)         ND(0.0000000022)         [ND(0.000000011]           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000013)           TCDDs (total)         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000017)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000013)         ND(0.000000015)         [ND(0.000000007]           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.000000007]           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.000000007]           1,2,3,4,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.0000000017)         [ND(0.0000000050)			,	· · · · · · · · · · · · · · · · · · ·	
1,2,3,4,6,7,8-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000048) [ND(0.000000011)           1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000031) [ND(0.000000013]           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048) [0.000000013]           QCDF         0.000000012 J         ND(0.000000010)         ND(0.000000022) [ND(0.000000010)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015) [ND(0.00000000000000000000000000000000000		)F	· · /		
1,2,3,4,7,8,9-HpCDF         ND(0.000000051)         ND(0.000000050)         ND(0.000000031)         IND(0.000000013)           HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048)         [0.000000013]         J           OCDF         0.00000012 J         ND(0.000000013)         ND(0.000000022)         [ND(0.0000000016)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000013)           TCDDs (total)         ND(0.0000000018)         ND(0.0000000013)         ND(0.0000000015)         [ND(0.0000000017)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.000000007]           PeCDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.00000007]           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         [ND(0.00000006]           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.00000006]           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.00000006]					
HpCDFs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000048) [0.00000013 J           OCDF         0.00000012 J         ND(0.000000010)         ND(0.000000022) [ND(0.000000010)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015) [ND(0.0000000013)           TCDDs (total)         ND(0.000000018)         ND(0.000000013)         ND(0.000000015) [ND(0.0000000013)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015) [ND(0.0000000070)           PeCDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015) [ND(0.0000000070)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014) [ND(0.0000000650)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015) [ND(0.0000000650)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017) [ND(0.0000000650)					
DCDF         0.00000012 J         ND(0.00000010)         ND(0.00000022) [ND(0.000000010)           Dioxins         2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.0000000015) [ND(0.00000000000000000000000000000000000		JDF		· · · · · · · · · · · · · · · · · · ·	
Dioxins         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000013)           TCDDs (total)         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000013)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.000000007]           PeCDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.00000007]           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         [ND(0.0000000061]           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000060]           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.000000007]			,	(	
2,3,7,8-TCDD         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000015)           TCDDs (total)         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         [ND(0.0000000015)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.0000000077)           PeCDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.000000077)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         [ND(0.0000000060]           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000060]           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000077)			0.000000012.3	110(0:000000010)	ND(0.000000022) [ND(0.000000010)]
TCDDs (total)         ND(0.000000018)         ND(0.000000013)         ND(0.000000015)         ND(0.0000000015)           1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.00000000000000000000000000000000000			ND(0.000000018)	ND(0.000000013)	ND(0.000000015) [ND(0.000000011)]
1,2,3,7,8-PeCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.000000007)           PeCDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.000000007)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         ND(0.000000007)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         ND(0.0000000060)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         ND(0.0000000060)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.000000007)					
PecDDs (total)         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.000000007)           1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         [ND(0.0000000060)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000060)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         [ND(0.0000000060)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         [ND(0.0000000077)		)	· · /	,	
1,2,3,4,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000014)         ND(0.000000060)           1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         ND(0.0000000080)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         ND(0.0000000080)		,			
1,2,3,6,7,8-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000017)         ND(0.0000000080)           1,2,3,7,8,9-HxCDD         ND(0.000000051)         ND(0.000000050)         ND(0.000000015)         ND(0.0000000077)		סכ			
1,2,3,7,8,9-HxCDD ND(0.0000000051) ND(0.0000000050) ND(0.000000015) [ND(0.0000000077					
			· · · · · · · · · · · · · · · · · · ·		
IHxCDDs (total) IND(0.0000000051) ND(0.000000050) ND(0.000000017) IND(0.00000008	HxCDDs (total)		ND(0.0000000051)	ND(0.0000000050)	ND(0.000000017) [ND(0.000000085)]
		CDD			ND(0.00000036) [ND(0.00000013)]
			· · · · · ·		ND(0.00000036) [ND(0.00000013)]
			,	· · · · · · · · · · · · · · · · · · ·	ND(0.00000033) [ND(0.00000015)]
Total TEQs (WHO TEFs) 0.0000000072 0.000000066 0.000000015 [0.0000000074]		O TEFs)		( )	

Parameter	Sample ID: Date Collected:	OPCA-MW-1R 04/19/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 06/15/99	
Inorganics-Ur		04/15/07	10/03/01	00/13/33	
Antimony	Intered	NA	NA	ND(0.0600) [ND(0.0600)]	
Arsenic		NA	NA	ND(0.00600) [ND(0.00600)]	
Barium		NA	NA	0.0320 [0.0340]	
Beryllium		NA	NA	ND(0.00600) [ND(0.00600)]	
Cadmium		NA	NA	ND(0.00600) [ND(0.00600)]	
Chromium		NA	NA	ND(0.0130) [ND(0.0130)]	
Cobalt		NA	NA	ND(0.0600) [ND(0.0600)]	
Copper		NA	NA	ND(0.0330) [ND(0.0330)]	
Mercury		NA	NA	ND(0.000500) [ND(0.000500)]	
Nickel		NA	NA	ND(0.0600) [ND(0.0600)]	
Selenium		NA	NA	ND(0.00600) J [ND(0.00600) J]	
Silver		NA	NA	ND(0.0130) [ND(0.0130)]	
Sulfide		ND(1.00)	ND(1.00)	ND(5.00) [ND(5.00)]	
Thallium		ŇA	NA	ND(0.0130) [ND(0.0130)]	
Tin		NA	NA	ND(0.300) [ND(0.300)]	
Vanadium		NA	NA	ND(0.0600) [ND(0.0600)]	
Zinc		NA	NA	ND(0.0260) [ND(0.0260)]	
Inorganics-Fil	tered				
Antimony		ND(0.0400)	ND(0.0400)	NA	
Arsenic		ND(0.0100)	ND(0.0100)	NA	
Barium		0.0646 B	ND(0.107)	NA	
Beryllium		0.00194 J	ND(0.0100) J	NA	
Cadmium		ND(0.0100) J	ND(0.0050) J	NA	
Chromium		ND(0.0100) J	ND(0.0100) J	NA	
Cobalt		ND(0.0100) J	ND(0.0100)	NA	
Copper		ND(0.0100) J	ND(0.0100) J	NA	
Mercury		ND(0.000285)	ND(0.000285)	NA	
Nickel		ND(0.0100) J	ND(0.0100) J	NA	
Selenium		ND(0.0200)	ND(0.0200) J	NA	
Thallium		ND(0.0100)	ND(0.0100)	NA	
Tin		ND(0.0100) J	ND(0.100) J	NA	
Vanadium		0.00665 B	ND(0.0500)	NA	
Zinc		0.0388	ND(0.0200)	NA	

Bromotorm         ND(0.0050)         ND(0.0010)         ND(0.001	Parameter	Sample ID: Date Collected:	OPCA-MW-2 05/02/01	OPCA-MW-2 04/19/07	OPCA-MW-2 10/08/07
1.:Dic/horosthane         ND(0.0050)         ND(0.0010)         ND(0.0050)         ND(0.0010)	Volatile Organ	nics			
Acetone         ND(0.010)         ND(0.0050)         ND(0.0050)         ND(0.0010)         ND(0.0010)<	1,1,1-Trichloro	ethane	ND(0.0050)	ND(0.0010)	0.00013 J [0.00013 J]
Bromotorm         ND(0.0050)         ND(0.0010)         ND(0.001	1,1-Dichloroeth	nane	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chlorobarzene         ND(0.0010)         ND(0	Acetone		ND(0.010)	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
Chiordorm         ND(0.0010)         ND(0.001	Bromoform		ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dipromochloromethane         ND(0.0010)         ND(0.0010)         ND(0.0010)           Tetrachloroethene         ND(0.0020)         ND(0.0010)         ND(0.0010)         ND(0.0010)           Toluene         ND(0.0020)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0010)           Trichloroethene         ND(0.0050)         ND(0.0010)         0.00040.1         0.00040.1         0.00051.1           Trichloroethene         ND(0.0020)         ND(0.0010)         0.00053.1         0.00054.1         0.00054.1           Trichloroethene         ND(0.00005)         NA         NA         NA           Aractor-1250         ND(0.000065)         NA         NA         NA           Aractor-1250         ND(0.000065)         NA         NA         NA           Cala PCBs         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Aractor-1250         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00000)         ND(0.0010)         ND(0.0010)         ND(0.0010)         ND(0.0100)         ND(0.0100)         ND(0.010)         ND(0.0100)         ND(0.0100)         ND(0.0100)         ND(0.0100)         ND(0.010)         ND(	Chlorobenzene	9	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachiorethene         ND(0.0010)         ND(0.0010)         ND(0.0010)           Tichioreethene         ND(0.0050)         ND(0.0010)         ND(0.00010)         ND(0.0010)         ND(0.	Chloroform		ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Totuene         ND(0.0050)         ND(0.0010)         ND(0.000054 J]           PCBS-Untrikered         ND(0.000065)         NA         NA         NA           Arcolor-1260         ND(0.000065)         NA         NA         NA           PCBS-Intered         ND(0.000065)         NA         NA         NA           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)         ND(0.00010)           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.000010)         ND(0.000010)         ND(0.000010)         ND(0.0000010)         ND(0.00000010)         ND(0.000000010)         ND(0.000000010)         ND(0.0000000010)         ND(0.0000000010)         ND(	Dibromochloro	methane	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tichlorosethene         ND(0.0010)         ND(0.010)         N	Tetrachloroeth	ene	()		
Trichlorofluoromethane         ND(0.0000)         ND(0.0010)         0.00041 J[0.00041 J]           Total VOCs         ND(0.20)         ND(0.010)         ND(0.000)         ND(0.000)           FCBs-Unfiltered         ND(0.20)         ND(0.000055)         NA         NA           Aractor 1254         ND(0.0000655)         NA         NA         NA           Aractor 1260         ND(0.0000655)         NA         NA         NA           PCBs-Liftered         ND(0.0000655)         NA         NA         NA           Aractor 1260         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Aractor 1260         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Aractor 1260         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Settrylphthalate         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Disenzotran         ND(0.0000000013)         ND(0.000000035) X         <					
Vinyt Choiride         ND(0.020)         ND(0.010)         ND(0.010)         0.00063 J [0.00054 J]           PCBs-Unfiltered         ND(0.10)         0.00065 J [0.00054 J]         PCBs-Unfiltered           Arcolor 1250         ND(0.000065)         NA         NA           Arcolor 1250         ND(0.000065)         NA         NA           PCBs-Filtered         ND(0.000065)         NA         NA           Arcolor 1254         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Arcolor 1256         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.0010)]           Arcolor 1256         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.0010)]           Semivolatile Organics         12.4.7.1r(chitorbenzene         ND(0.010)         ND(0.010) [ND(0.010)]           Sele2-Ethylthexv)[phthalate         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Directrybrighthalate         ND(0.010)         ND(0.010) [ND(0.010)]         ND(0.010) [ND(0.010)]           ND(0.000000013)         ND(0.0000000035)         ND(0.000000035) [ND(0.000000035) [ND(0.000000035) J]         12.3.7.8-PCDF           ND(0.0000000021)         ND(0.0000000020)         ND(0.000000035) [ND(0.000000035) [ND(0.000000035) ]]         12.3.4.7.8+RCDF           ND(0.00000000021)         <					
Total VOCs         ND(0.20)         ND(0.10)         0.00053 J (0.00054 J]           PCBs-Unfiltered         Arcolor-1254         ND(0.000065)         NA         NA           Arcolor-1260         ND(0.000065)         NA         NA           Arcolor-1260         ND(0.000065)         NA         NA           PCBs-Filtered         Arcolor-1260         ND(0.000065)         NA         NA           Arcolor-1280         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Arcolor-1280         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Dienzofuran         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Dimethylphthalate         ND(0.0000000013)         ND(0.000000015) X]         TOCHO10 [ND(0.010) [ND(0.010)]           TCFF (total)         ND(0.0000000013)         ND(0.000000005) [ND(0.000000050 J]         12.3.7.8-PcCDF         ND(0.000000002) [ND(0.000000055) ]         ND(0.000000055) [ND(0.000000055 J]           1.2.3.4.7.8+RcDF         ND(0.000000002) [ND(0.000000055) ]         ND(0.000000055) [ND(0.0000000055 J]         1.2.3.4.7.8+RcDF		methane			0.00040 J [0.00041 J]
PCBs-Unfiltered         NA         NA           Arcolor-1254         ND(0.000065)         NA         NA           Arcolor-1260         ND(0.000065)         NA         NA           Total PCBs         ND(0.000065)         NA         NA           Arcolor-1264         ND(0.000065)         NA         NA           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Semivolatile Organics         1.2.4-Trichiorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Semivolatile Organics         1.2.4-Trichiorobenzene         ND(0.010)         ND(0.010)         ND(0.010)           Semivolatile         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofuran         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)           Papthalene         ND(0.000000013)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)           2.3,7.8-TCDF         ND(0.000000002)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)           1.2.3,7.8-HcCDF         ND(0.0000000022)         ND(0.0000000055)					
Araclor:1254         ND(0.000065)         NA         NA           Araclor:1260         ND(0.000065)         NA         NA           Araclor:1260         ND(0.000065)         NA         NA           PCBs-Filtered         ND(0.000065)         NA         NA           Araclor:1254         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Araclor:1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Semivolatile Organics         Semivolatile Organics         Semivolatile Organics         Semivolatile Organics           Debenzoltran         ND(0.010)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)         ND(0.000000035)         ND(0.000000005)         ND(0.000000005)         ND(0.00000			ND(0.20)	ND(0.10)	0.00053 J [0.00054 J]
Aradior/1260         ND(0.000065)         NA         NA           Total PCBs         ND(0.000065)         NA         NA           PCBs-Filtered           Aradior/1254         ND(0.000065)         ND(0.00011)         ND(0.00010)         [ND(0.00010]         Aradior/1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         [ND(0.00010]         Total PCBs         ND(0.000065)         ND(0.00011)         ND(0.00010)         [ND(0.00010]         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.0100)         ND(0.0100)         ND(0.0101)         ND(0.000000015)         X         ND(0.000000015)         X         ND(0.000000015)         X         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)	PCBs-Unfilter	ed			
Total PCBs         ND(0.000065)         NA         NA           PCBs-Filtered         ND(0.000065)         ND(0.00011)         ND(0.00010)         [ND(0.00010]         ND(0.00010)         [ND(0.00010]         ND(0.00010)         ND(0.00010)         [ND(0.00010]         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.010)         ND(0.0100         ND(0.010)         ND(0.000000005)         ND(0.000000005)         ND(0.00000005)         ND(0.00000005)         ND(0.00000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000000005)         ND(0.000	Aroclor-1254		ND(0.000065)	NA	NA
PCBs-Filtered         No.           Arcolor-1254         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Arcolor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Total PCBs         ND(0.000065)         ND(0.00011)         ND(0.00010) [ND(0.00010)]           Semivolatile Organics         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010)]           Acenaphthene         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010]]         ND(0.010) [ND(0.010]]           Dile2:Ethylhexyljpithalate         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010]]           Dimethylpithalate         ND(0.010)         ND(0.010)         ND(0.010) [ND(0.010]]           Naphthalene         ND(0.000000013)         ND(0.000000035) X         ND(0.0000000036) [ND(0.000000056)]           Furans         2,3,7.8-TCDF         ND(0.0000000020)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           12.3,4,7.8-PeCDF         ND(0.0000000020)         ND(0.0000000055)         ND(0.0000000055) [ND(0.0000000055)]           12.3,4,7.8-PeCDF         ND(0.0000000020)         ND(0.0000000055) ND(0.0000000055) [ND(0.000000055)]           12.3,4,7.8-PeCDF         ND(0.0000000022) ND(0.000000055) ND(0.0000000055) [ND(0.0000000055)]           12.3,4,6			ND(0.000065)	NA	NA
Arocior-1254         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Arocior-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.0010)         ND(0.0010)         ND(0.010)         ND(0.000000015)         X         ND(0.0000000015)         X         ND(0.0000000015)         ND(0.0000000015)         ND(0.0000000016)         0.000000035)         ND(0.0000000005)         ND(0.000000005)         ND(	Total PCBs		ND(0.000065)	NA	NA
Arcelor-1260         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)           Total PCBs         ND(0.000065)         ND(0.00011)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.00010)         ND(0.010)         ND(0.000000015)         X	PCBs-Filtered				
Total PCBs         ND(0.000065)         ND(0.00011)         ND(0.00010)         [ND(0.00010]           Semivolatile Organics	Aroclor-1254		ND(0.000065)	ND(0.00011)	ND(0.00010) [ND(0.00010)]
Semivolatile Organics         ND(0.010)         ND(0.000000015)         Z <thz< th="">         Z         <thz< th=""> <th< td=""><td>Aroclor-1260</td><td></td><td>ND(0.000065)</td><td>ND(0.00011)</td><td></td></th<></thz<></thz<>	Aroclor-1260		ND(0.000065)	ND(0.00011)	
1,2,4-Trichlorobenzene         ND[0.010]         ND[0.010]         ND[0.010]           Acenaphthene         ND[0.010]         ND[0.000000013]         ND[0.000000015]         ND[0.0000000016]         0.0000000014)         [ND[0.0000000015]         ND[0.0000000016]         ND[0.0000000005]         ND[0.0000000015]         ND[0.0000000005]         ND[0.0000000005]         ND[0.000000005]         ND[0.000			ND(0.000065)	ND(0.00011)	ND(0.00010) [ND(0.00010)]
1,2,4-Trichlorobenzene         ND[0.010]         ND[0.010]         ND[0.010]           Acenaphthene         ND[0.010]         ND[0.000000013]         ND[0.000000015]         ND[0.0000000016]         0.0000000014)         [ND[0.0000000015]         ND[0.0000000016]         ND[0.0000000005]         ND[0.0000000015]         ND[0.0000000005]         ND[0.0000000005]         ND[0.000000005]         ND[0.000	Semivolatile C	Drganics			•
bis(2-Éthylhexyl)phthalate         ND(0.060)         ND(0.010)         ND(0.010)         ND(0.010)           Dibenzofuran         ND(0.010)         ND(0.000000015)         X]           S.3,7.8-TCDF         ND(0.0000000020)         ND(0.0000000055)         ND(0.0000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.0000000050)         ND(0.0000000050)			ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran         ND(0.010)         ND(0.000000035)         ND(0.000000013)         ND(0.000000035)         ND(0.000000035)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.0000000055)         ND(0.000000055)         ND(0.0000000050)         ND(0.0000000055)         ND(	Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran         ND(0.010)         ND(0.000000035)         ND(0.000000013)         ND(0.000000035)         ND(0.000000035)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.0000000055)         ND(0.000000055)         ND(0.0000000050)         ND(0.0000000055)         ND(	bis(2-Ethylhexy	/l)phthalate	ND(0.0060)	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         ND(0.010)         Furans           2,3,7,8-TCDF         ND(0.000000013)         ND(0.000000035) X         ND(0.000000034) [ND(0.000000050]         ID(0.0000000050]         ID(0.0000000050]         ID(0.0000000055)         ND(0.0000000055)         ND(0.0000000055) [ND(0.0000000055)         ID(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ID(0.0000000055)         ND(0.0000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.0000000055)         N				ND(0.010)	
Furans         ND(0.000000013)         ND(0.000000035) X         ND(0.0000000014)         IND(0.000000015) X]           TCDFs (total)         ND(0.000000013)         ND(0.000000015)         0.000000025)         ND(0.000000025)         ND(0.000000025)         ND(0.000000025)         ND(0.0000000055)         ND(0.000000055)         ND(0	Dimethylphthal	ate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,3,7,8-TCDF         ND(0.000000013)         ND(0.000000013)         ND(0.000000014)         [ND(0.000000014)]           TCDFs (total)         ND(0.000000013)         ND(0.000000016)         0.000000350         J[0.000000050]         J]           2,3,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         ND(0.000000057)         ND(0.000000055)         ND(0.000000055)         ND(0.000000050)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000050)         ND(0.000000057)         ND(0.000000050)         ND(0.000000055)         ND(0.000000050)         ND(0.000000055)         ND(0.000000050)         ND(0.000000055)         ND(0.000000050)         ND(0.000000055)         ND(0.0000000050)         ND(0.000000055)	Naphthalene		ND(0.010)	ND(0.010)	
TCDFs (total)         ND(0.000000013)         ND(0.000000016)         0.00000036 J [0.000000050 J]           1,2,3,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000050]           2,3,4,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000050]           PeCDFs (total)         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [0.000000049 J]           1,2,3,6,7,8-HxCDF         ND(0.000000010)         ND(0.000000055)         ND(0.000000050) [ND(0.000000055 J]           1,2,3,6,7,8-HxCDF         ND(0.000000014)         ND(0.000000055)         ND(0.000000050) [ND(0.000000055]           2,3,4,6,7,8-HxCDF         ND(0.000000012)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000012)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,6,7,8-HpCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]	Furans				
TCDFs (total)         ND(0.000000013)         ND(0.000000016)         0.00000036 J         [0.000000050 J]           1,2,3,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000050]]           2,3,4,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000050]]           PeCDFs (total)         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000055]]           1,2,3,6,7,8-HxCDF         ND(0.000000010)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000055]]           1,2,3,6,7,8-HxCDF         ND(0.000000011)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.000000012)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000012)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]	2,3,7,8-TCDF		ND(0.000000013)	ND(0.000000035) X	ND(0.000000014) [ND(0.000000015) X]
2,3,4,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           PeCDFs (total)         ND(0.000000020)         ND(0.000000055)         0.000000050 J [0.000000055 J]           1,2,3,4,7,8-HxCDF         ND(0.0000000020)         ND(0.000000055)         ND(0.0000000055)           1,2,3,6,7,8-HxCDF         ND(0.0000000010)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,6,7,8-HxCDF         ND(0.0000000012)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000012)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.0000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.000000020)         ND(0.0000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.000000017)         ND(0.0000000021)         ND(0.0000000010) [ND(0.000000010)]	TCDFs (total)		ND(0.000000013)	ND(0.000000016)	
2,3,4,7,8-PeCDF         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           PeCDFs (total)         ND(0.000000020)         ND(0.000000055)         0.000000050 J [0.000000055 J]           1,2,3,4,7,8-HxCDF         ND(0.0000000020)         ND(0.000000055)         ND(0.0000000055)           1,2,3,6,7,8-HxCDF         ND(0.0000000010)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,6,7,8-HxCDF         ND(0.0000000012)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000012)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.0000000022)         ND(0.0000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.000000020)         ND(0.0000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDF         ND(0.000000017)         ND(0.0000000021)         ND(0.0000000010) [ND(0.000000010)]	1,2,3,7,8-PeCE	DF	ND(0.000000020)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
PeCDFs (total)         ND(0.000000020)         ND(0.000000055)         0.00000016 J [0.000000049 J]           1,2,3,4,7,8-HxCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050) [0.000000055 J]           1,2,3,6,7,8-HxCDF         ND(0.000000010)         ND(0.000000055)         ND(0.000000050) [ND(0.000000055)]           1,2,3,7,8-HxCDF         ND(0.000000014)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HxCDF         ND(0.0000000022)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDF         ND(0.000000022)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8,9-HpCDF         ND(0.0000000022)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8,9-HpCDF         ND(0.0000000022)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           0CDF         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8-TCDD         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.000000051)]           1,2,3,7,8-PeCDD         ND(0.000000017)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)] </td <td>2,3,4,7,8-PeCE</td> <td>DF</td> <td>ND(0.000000020)</td> <td>ND(0.000000055)</td> <td></td>	2,3,4,7,8-PeCE	DF	ND(0.000000020)	ND(0.000000055)	
1,2,3,6,7,8-HxCDF         ND(0.000000010)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           1,2,3,7,8,9-HxCDF         ND(0.000000014)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000050]           2,3,4,6,7,8-HxCDF         ND(0.0000000012)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000050]           HxCDFs (total)         ND(0.000000022)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000050]           1,2,3,4,6,7,8-HxCDF         ND(0.000000022)         ND(0.0000000055)         ND(0.000000050)         [ND(0.000000050]           1,2,3,4,6,7,8-HpCDF         ND(0.000000022)         ND(0.0000000055)         ND(0.000000050)         [ND(0.000000050]           1,2,3,4,6,7,8-HpCDF         ND(0.000000022)         ND(0.0000000055)         ND(0.000000050)         [ND(0.000000051)]           HpCDFs (total)         ND(0.0000000017)         ND(0.000000021)         ND(0.000000014)         [ND(0.000000012)]           Distins         2,3,7,8-PeCDD         ND(0.000000017)         ND(0.0000000055)         ND(0.0000000014)         [ND(0.0000000051)]           1,2,3,7,8-PeCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.0000000017)         ND(0.000000055)         ND(0.00000	PeCDFs (total)		ND(0.000000020)	ND(0.000000055)	0.00000016 J [0.00000049 J]
1,2,3,7,8,9-HxCDF         ND(0.000000014)         ND(0.000000055)         ND(0.000000050)         ND(0.0000000050)         ND(0.0000000010)         ND(0.00000000000000000000000000000000000	1,2,3,4,7,8-Hx0	CDF	ND(0.000000022)	ND(0.000000055)	ND(0.000000050) [0.000000055 J]
2,3,4,6,7,8-HxCDF         ND(0.000000012)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           HxCDFs (total)         ND(0.0000000022)         ND(0.000000055)         ND(0.000000050)         [0.000000050]         [0.000000050]         [0.0000000050]         [0.0000000050]         [0.0000000050]         [0.0000000050]         [1,2,3,4,7,8,9-HpCDF         ND(0.0000000022)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000050]         [ND(0.0000000050]         [ND(0.0000000050]         [ND(0.0000000055]         ND(0.0000000050)         [ND(0.0000000055]         ND(0.0000000050)         [ND(0.0000000055]         ND(0.0000000050)         [ND(0.0000000055]         ND(0.0000000050)         [ND(0.0000000055]         ND(0.0000000050)         [ND(0.0000000055]         ND(0.0000000010)         [ND(0.0000000010]         [ND(0.0000000010]         [ND(0.0000000010]         [ND(0.0000000018]         X]           JCDDs (total)         ND(0.000000017)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]         [ND(0.0000000050]         [ND(0.0000000050]         [ND(0.0000000051)]         [N2,3,7,8-PeCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000050]         [ND(0.000000050]         [ND(0.000000050]         [ND(0.000000050]         [ND(0.000000050]         [ND(0.000000050]         [ND(0.0000000050]         [ND(0.0000000050]	1,2,3,6,7,8-Hx0	CDF	ND(0.000000010)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
HxCDFs (total)         ND(0.000000022)         ND(0.000000055)         ND(0.000000055)         ID(0.000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000055)         ID(0.0000000010)         ID(0.0000000010)         ID(0.0000000010)         ID(0.0000000010)         ID(0.0000000010)         ID(0.0000000010)         ID(0.0000000011)         ID(0.0000000014)         ID(0.0000000018)         X]           TCDDs (total)         ND(0.0000000017)         ND(0.0000000021)         ND(0.0000000055)         ND(0.0000000055)         ND(0.0000000055)         ID(0.0000000055)         ID(0	1,2,3,7,8,9-Hx0	CDF	ND(0.000000014)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
1,2,3,4,6,7,8-HpCDF         ND(0.000000018)         ND(0.0000000055)         ND(0.0000000010)         ND(0.0000000017)         ND(0.0000000011)         ND(0.0000000014)         [ND(0.0000000018) X]           TCDDs (total)         ND(0.0000000017)         ND(0.0000000021)         ND(0.0000000014)         [ND(0.0000000012)]           1,2,3,7,8-PcCDD         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           1,2,3,7,8-PcCDD         ND(0.0000000018)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.0000000050)         [ND(0.000000050])]	2,3,4,6,7,8-Hx0	CDF	ND(0.000000012)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
1,2,3,4,7,8,9-HpCDF         ND(0.000000022)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           HpCDFs (total)         ND(0.000000020)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000055)]           OCDF         ND(0.0000000043)         ND(0.000000011)         ND(0.000000010)         [ND(0.000000010]]           Dioxins         2,3,7,8-TCDD         ND(0.000000017)         ND(0.000000021)         ND(0.000000014)         [ND(0.0000000012)]           1,2,3,7,8-PcCDD         ND(0.000000017)         ND(0.000000021)         ND(0.0000000014)         [ND(0.0000000012)]           1,2,3,7,8-PcCDD         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           PeCDs (total)         ND(0.000000018)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           1,2,3,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         [ND(0.000	HxCDFs (total)		ND(0.000000022)	ND(0.000000055)	
HpCDFs (total)         ND(0.000000020)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           OCDF         ND(0.0000000043)         ND(0.000000011)         ND(0.000000010) [ND(0.000000010)]           Dioxins         2,3,7,8-TCDD         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.000000018) X]           TCDDs (total)         ND(0.000000017)         ND(0.000000021)         ND(0.0000000014) [ND(0.0000000012)]           1,2,3,7,8-PcCDD         ND(0.000000018)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           PeCDDs (total)         ND(0.000000018)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000055)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]	1,2,3,4,6,7,8-H	pCDF	ND(0.000000018)	ND(0.000000055)	
OCDF         ND(0.000000043)         ND(0.000000011)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000010)         ND(0.000000014)         ND(0.000000014)         ND(0.000000018)         X]           TCDDs (total)         ND(0.000000017)         ND(0.000000021)         ND(0.0000000014)         [ND(0.0000000012)]         ND(0.00000000014)         [ND(0.0000000012)]         ND(0.00000000000000000000000000000000000	1,2,3,4,7,8,9-H	pCDF			
Dioxins           2,3,7,8-TCDD         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.000000018) X]           TCDDs (total)         ND(0.0000000017)         ND(0.000000021)         ND(0.0000000014) [ND(0.0000000012)]           1,2,3,7,8-PeCDD         ND(0.0000000018)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8-PeCDD         ND(0.000000018)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.00000055)]           HpCDDs (total)         ND(0.000000031)				,	
2,3,7,8-TCDD         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.000000018) X]           TCDDs (total)         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.000000012)]           1,2,3,7,8-PeCDD         ND(0.000000018)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           PeCDDs (total)         ND(0.000000018)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000551)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000551)]	OCDF		ND(0.000000043)	ND(0.00000011)	ND(0.00000010) [ND(0.00000010)]
TCDDs (total)         ND(0.000000017)         ND(0.000000021)         ND(0.000000014) [ND(0.0000000012)]           1,2,3,7,8-PeCDD         ND(0.0000000018)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           PeCDDs (total)         ND(0.0000000018)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,4,7,8-HxCDD         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           1,2,3,6,7,8-HxCDD         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.0000000017)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.0000000017)         ND(0.000000055)         ND(0.0000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.0000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.00000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.00000055)]           HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.00000055)]	Dioxins				
1,2,3,7,8-PeCDD         ND(0.000000018)         ND(0.000000055)         ND(0.000000050)         ND(0.000000055)           PeCDDs (total)         ND(0.000000018)         ND(0.000000055)         ND(0.0000000055)         ND(0.000000055)	2,3,7,8-TCDD		ND(0.000000017)	ND(0.000000021)	ND(0.000000014) [ND(0.000000018) X]
PecDDs (total)         ND(0.000000018)         ND(0.000000055)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000050)         ND(0.000000051)         ND(0.0000000051)         ND(0.0000000051)         ND(0.0000000051)         ND(0.0000000051)         ND(0.0000000051)         ND(0.0000000055)         ND(0.0000000050)         ND(0.0000000051)         ND(0.0000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.000000055)         ND(0.0000000055)         ND(0.0000000055)	TCDDs (total)		ND(0.000000017)	ND(0.000000021)	ND(0.000000014) [ND(0.000000012)]
1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           HxCDDs (total)         ND(0.0000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015)]	1,2,3,7,8-PeCE	DD		ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
1,2,3,4,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,6,7,8-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           HxCDDs (total)         ND(0.0000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015)]	PeCDDs (total)	)	ND(0.000000018)	ND(0.000000055)	
1,2,3,7,8,9-HxCDD         ND(0.000000017)         ND(0.000000055)         ND(0.000000050)         ND(0.000000051)           HxCDDs (total)         ND(0.0000000017)         ND(0.0000000055)         ND(0.0000000050)         [ND(0.0000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.0000000031)         ND(0.000000055)         ND(0.0000000050)         [ND(0.000000055)]           HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000050)         [ND(0.000000051)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015)         ND(0.000000015)	1,2,3,4,7,8-Hx0	CDD	ND(0.000000017)		
HxCDDs (total)         ND(0.000000017)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           1,2,3,4,6,7,8-HpCDD         ND(0.0000000031)         ND(0.0000000055)         ND(0.0000000050) [ND(0.0000000051)]           HpCDDs (total)         ND(0.0000000031)         ND(0.0000000055)         ND(0.0000000050) [ND(0.000000051)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015)]	1,2,3,6,7,8-Hx0	CDD	ND(0.000000017)		ND(0.000000050) [ND(0.000000051)]
1,2,3,4,6,7,8-HpCDD         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000055) [ND(0.000000055)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015 J]	1,2,3,7,8,9-Hx0	CDD		ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
HpCDDs (total)         ND(0.000000031)         ND(0.000000055)         ND(0.000000050) [ND(0.000000051)]           OCDD         ND(0.000000012)         ND(0.000000011)         ND(0.000000015)]	HxCDDs (total)	)	ND(0.000000017)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
OCDD ND(0.00000012) ND(0.00000011) ND(0.00000010) [0.00000015 J]			ND(0.000000031)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
OCDD ND(0.00000012) ND(0.00000011) ND(0.00000010) [0.00000015 J]	HpCDDs (total)	)	ND(0.000000031)	ND(0.000000055)	ND(0.000000050) [ND(0.000000051)]
Total TEQs (WHO TEFs) 0.0000000029 0.000000074 0.000000065 [0.0000000071]	OCDD		ND(0.00000012)	ND(0.000000011)	
	Total TEQs (W	HO TEFs)	0.000000029	0.000000074	0.000000065 [0.000000071]

Parameter [	Sample ID: Date Collected:	OPCA-MW-2 05/02/01	OPCA-MW-2 04/19/07	OPCA-MW-2 10/08/07	
Inorganics-Unfilte	ered				
Antimony		ND(0.0600)	NA	NA	
Arsenic		ND(0.0100)	NA	NA	
Barium		0.0190 B	NA	NA	
Beryllium		ND(0.00100)	NA	NA	
Cadmium		ND(0.00500)	NA	NA	
Chromium		ND(0.025) J	NA	NA	
Cobalt		ND(0.0500)	NA	NA	
Copper		ND(0.0250)	NA	NA	
Mercury		ND(0.000200)	NA	NA	
Nickel		ND(0.0400)	NA	NA	
Selenium		0.00890	NA	NA	
Silver		ND(0.00500)	NA	NA	
Sulfide		ND(5.00)	ND(1.00)	ND(1.00) J [ND(1.00) J]	
Thallium		ND(0.010) J	ŇA	NA	
Tin		ND(0.0300)	NA	NA	
Vanadium		ND(0.0500)	NA	NA	
Zinc		0.016 BJ	NA	NA	
Inorganics-Filtere	ed				
Antimony		ND(0.0600)	ND(0.0400)	ND(0.0400) [ND(0.0400)]	
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100) J [ND(0.0100) J]	
Barium		0.0180 B	ND(0.0100)	0.0144 B [0.0128 B]	
Beryllium		ND(0.00100)	0.00386 J	ND(0.0100) J [ND(0.0100) J]	
Cadmium		ND(0.00500)	ND(0.0100) J	ND(0.00500) J [ND(0.00500) J]	
Chromium		ND(0.025) J	ND(0.0100) J	ND(0.0100) [ND(0.0100)]	
Cobalt		ND(0.0500)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]	
Copper		ND(0.0250)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]	
Mercury		ND(0.000200)	ND(0.000285)	ND(0.000285) [ND(0.000285)]	
Nickel		ND(0.0400)	ND(0.0100) J	0.00638 B [ND(0.0100)]	
Selenium		ND(0.00500)	0.0111 B	ND(0.0200) J [ND(0.0200) J]	
Thallium		ND(0.010) J	ND(0.0100)	ND(0.0100) [ND(0.0100)]	
Tin		ND(0.0300)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]	
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]	
Zinc		0.020 BJ	0.00586 B	ND(0.0200) [ND(0.0200)]	

Sample ID:	OPCA-MW-3	OPCA-MW-3	OPCA-MW-3	OPCA-MW-3
Parameter Date Collected:	06/16/99	05/02/01	04/20/07	10/09/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	ND(0.0050) J	ND(0.0050) J
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	0.000040 J	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA
Total PCBs	0.000040 J	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1254	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.011)	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.000000035)	ND(0.000000011)	0.000000037 J	ND(0.000000015)
TCDFs (total)	ND(0.000000035)	ND(0.000000011)	0.000000037 J	ND(0.000000015)
1,2,3,7,8-PeCDF	ND(0.000000041)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
2,3,4,7,8-PeCDF	ND(0.000000039)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
PeCDFs (total)	ND(0.000000041)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
1,2,3,4,7,8-HxCDF	ND(0.000000013)	ND(0.000000010)	ND(0.000000055)	ND(0.000000050)
1,2,3,6,7,8-HxCDF	ND(0.000000013)	ND(0.000000010)	ND(0.000000055)	ND(0.000000050)
1,2,3,7,8,9-HxCDF	ND(0.000000018)	ND(0.000000013)	ND(0.000000055)	ND(0.000000050)
2,3,4,6,7,8-HxCDF	ND(0.000000013)	ND(0.000000011)	ND(0.000000055)	ND(0.000000050)
HxCDFs (total)	ND(0.000000018)	ND(0.000000011)	ND(0.000000055)	ND(0.000000050)
1,2,3,4,6,7,8-HpCDF	ND(0.000000080)	ND(0.000000014)	ND(0.000000055)	ND(0.000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.000000099)	ND(0.000000017)	ND(0.000000055)	ND(0.000000050)
HpCDFs (total)	ND(0.000000099)	ND(0.000000015)	ND(0.000000055)	ND(0.000000050)
OCDF	ND(0.000000041)	ND(0.000000031)	ND(0.00000011)	ND(0.00000010)
Dioxins				
2,3,7,8-TCDD	ND(0.000000020)	ND(0.000000016)	ND(0.000000021)	ND(0.000000017)
TCDDs (total)	ND(0.000000020)	ND(0.000000016)	ND(0.000000021)	ND(0.000000017)
1,2,3,7,8-PeCDD	ND(0.000000089)	ND(0.000000018)	ND(0.000000055)	ND(0.000000050)
PeCDDs (total)	ND(0.000000089)	ND(0.000000018)	ND(0.000000055)	ND(0.000000050)
1,2,3,4,7,8-HxCDD	ND(0.000000058)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
1,2,3,6,7,8-HxCDD	ND(0.000000072)	ND(0.000000017)	ND(0.000000055)	ND(0.000000050)
1,2,3,7,8,9-HxCDD	ND(0.000000064)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
HxCDDs (total)	ND(0.000000072)	ND(0.000000016)	ND(0.000000055)	ND(0.000000050)
1,2,3,4,6,7,8-HpCDD	ND(0.000000077)	ND(0.000000025)	ND(0.000000055)	ND(0.000000050)
HpCDDs (total)	ND(0.000000077)	ND(0.000000025)	ND(0.000000055)	ND(0.000000050)
OCDD	ND(0.000000048)	ND(0.00000010)	ND(0.00000011)	ND(0.00000010)
Total TEQs (WHO TEFs)	0.000000081	0.000000027	0.000000076	0.000000067

	Sample ID:	OPCA-MW-3	OPCA-MW-3	OPCA-MW-3	OPCA-MW-3
Parameter	Date Collected:	06/16/99	05/02/01	04/20/07	10/09/07
Inorganics-U	nfiltered				
Antimony		ND(0.0600)	ND(0.0600)	NA	NA
Arsenic		ND(0.00600)	0.00420 B	NA	NA
Barium		0.00950	0.0760 B	NA	NA
Beryllium		ND(0.00600)	ND(0.00100)	NA	NA
Cadmium		ND(0.00600) J	ND(0.00500)	NA	NA
Chromium		ND(0.0130)	ND(0.025) J	NA	NA
Cobalt		ND(0.0600)	ND(0.0500)	NA	NA
Copper		ND(0.0330)	0.00610 B	NA	NA
Mercury		ND(0.000500)	ND(0.000200)	NA	NA
Nickel		ND(0.0600)	ND(0.0400)	NA	NA
Selenium		ND(0.00600)	0.00540	NA	NA
Silver		ND(0.0130)	ND(0.00500)	NA	NA
Sulfide		ND(5.00)	ND(5.00)	ND(1.00)	ND(1.00)
Thallium		ND(0.0130)	ND(0.010) J	NA	NA
Tin		ND(0.300) j	ND(0.0300)	NA	NA
Vanadium		ND(0.0600)	ND(0.0500)	NA	NA
Zinc		0.0880	0.035 J	NA	NA
Inorganics-Fi	Itered				•
Antimony		NA	ND(0.0600)	ND(0.0400)	ND(0.0400)
Arsenic		NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium		NA	0.0700 B	0.0566 B	0.0620 B
Beryllium		NA	ND(0.00100)	0.00713 J	0.000330 B
Cadmium		NA	ND(0.00500)	ND(0.0100) J	ND(0.00500) J
Chromium		NA	ND(0.025) J	ND(0.0100)	ND(0.0100) J
Cobalt		NA	ND(0.0500)	ND(0.0100) J	ND(0.0100)
Copper		NA	0.00660 B	ND(0.0100) J	ND(0.0100)
Mercury		NA	ND(0.000200)	0.000197 B	ND(0.000285)
Nickel		NA	ND(0.0400)	0.00664 J	ND(0.0100)
Selenium		NA	ND(0.00500)	ND(0.0200)	ND(0.0200)
Thallium		NA	ND(0.010) J	ND(0.0100) J	ND(0.0100) J
Tin		NA	ND(0.0300)	ND(0.0100) J	ND(0.0100)
Vanadium		NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		NA	0.017 J	0.0119 B	ND(0.0200)

	Sample ID:	OPCA-MW-3	OPCA-MW-4	OPCA-MW-4	OPCA-MW-4
	Collected:	04/23/08	06/15/99	05/02/01	04/18/07
Volatile Organics					
1,1,1-Trichloroethane		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroethane		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone		ND(0.0050) J	ND(0.10)	ND(0.010)	ND(0.0050)
Bromoform		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chlorobenzene		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloroform		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Dibromochloromethane	)	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Tetrachloroethene		ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010)
Toluene		ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichloroethene		ND(0.0010)	ND(0.0050)	ND(0.0050)	0.0010
Trichlorofluoromethane	•	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride		ND(0.0010)	ND(0.010)	ND(0.0020)	ND(0.0010)
Total VOCs		ND(0.10)	ND(0.20)	ND(0.20)	0.0010
PCBs-Unfiltered					
Aroclor-1254		NA	0.00089	0.000093	NA
Aroclor-1260		NA	ND(0.000050)	ND(0.000065)	NA
Total PCBs		NA	0.00089	0.000093	NA
PCBs-Filtered					
Aroclor-1254		ND(0.000066) J	NA	0.00015	ND(0.00011)
Aroclor-1260		ND(0.000066) J	NA	ND(0.000065)	0.000043 J
Total PCBs		ND(0.000066) J	NA	0.00015	0.000043 J
Semivolatile Organics	3		·	•	
1,2,4-Trichlorobenzene	)	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthal	ate	ND(0.0053)	ND(0.010)	ND(0.0060)	ND(0.010)
Dibenzofuran		ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate		ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene		ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				•	
2,3,7,8-TCDF		ND(0.000000049)	ND(0.0000000070)	ND(0.000000012)	ND(0.000000016)
TCDFs (total)		ND(0.000000049)	ND(0.0000000070)	0.00000016	ND(0.000000016)
1,2,3,7,8-PeCDF		ND(0.000000052)	ND(0.000000043)	ND(0.000000083)	ND(0.000000055)
2,3,4,7,8-PeCDF		ND(0.000000052)	ND(0.000000040)	ND(0.00000011)	ND(0.000000055)
PeCDFs (total)		ND(0.000000052)	ND(0.000000043)	ND(0.00000063)	ND(0.000000055) Q
1,2,3,4,7,8-HxCDF		ND(0.000000052)	ND(0.000000090)	ND(0.000000053)	ND(0.000000055)
1,2,3,6,7,8-HxCDF		ND(0.000000052)	ND(0.000000092)	ND(0.000000045)	ND(0.000000055)
1,2,3,7,8,9-HxCDF		ND(0.000000052)	ND(0.000000087)	ND(0.000000056)	ND(0.000000055)
2,3,4,6,7,8-HxCDF		ND(0.000000052)	ND(0.000000095)	ND(0.000000032)	ND(0.000000055)
HxCDFs (total)		ND(0.000000052)	ND(0.000000095)	ND(0.00000019)	ND(0.000000055)
1,2,3,4,6,7,8-HpCDF		ND(0.000000053)	ND(0.00000020)	ND(0.000000046)	ND(0.000000055)
1,2,3,4,7,8,9-HpCDF		ND(0.000000067)	ND(0.00000020)	ND(0.000000037)	ND(0.000000055)
HpCDFs (total)		ND(0.000000059)	ND(0.00000020)	ND(0.000000084)	ND(0.000000055)
OCDF		ND(0.00000012)	ND(0.00000020)	ND(0.000000090)	ND(0.00000011)
Dioxins					
2,3,7,8-TCDD		ND(0.000000054)	ND(0.000000013)	ND(0.000000047)	ND(0.000000018)
TCDDs (total)		ND(0.000000054)	ND(0.000000013)	ND(0.000000047)	ND(0.000000018)
1,2,3,7,8-PeCDD		ND(0.000000052)	ND(0.00000018)	ND(0.000000065)	ND(0.000000055)
PeCDDs (total)		ND(0.000000052)	ND(0.00000018)	ND(0.000000065)	ND(0.000000055)
1,2,3,4,7,8-HxCDD		ND(0.000000052)	ND(0.00000013)	ND(0.000000043)	ND(0.000000055)
1,2,3,6,7,8-HxCDD		ND(0.000000052)	ND(0.00000016)	ND(0.000000016)	ND(0.000000055)
1,2,3,7,8,9-HxCDD		ND(0.000000052)	ND(0.00000014)	ND(0.000000052)	ND(0.000000055)
HxCDDs (total)		ND(0.000000052)	ND(0.00000016)	ND(0.000000094)	ND(0.000000055)
1,2,3,4,6,7,8-HpCDD		ND(0.000000077)	ND(0.00000027)	ND(0.000000064)	ND(0.000000055)
HpCDDs (total)		ND(0.000000077)	ND(0.00000027)	ND(0.000000064)	ND(0.000000055)
OCDD		ND(0.00000012)	ND(0.00000030)	ND(0.00000029)	0.00000015 J
Total TEQs (WHO TEF		0.000000089	0.00000015	0.00000010	0.000000073

Parameter	Sample ID: Date Collected:	OPCA-MW-3 04/23/08	OPCA-MW-4 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 04/18/07
Inorganics-U		04/20/00	00/10/00	00/02/01	0,000
Antimony		NA	ND(0.0600)	ND(0.0600)	NA
Arsenic		NA	ND(0.00600)	ND(0.0100)	NA
Barium		NA	0.0370	0.0270 B	NA
Beryllium		NA	ND(0.00600)	ND(0.00100)	NA
Cadmium		NA	ND(0.00600)	ND(0.00500)	NA
Chromium		NA	ND(0.0130)	ND(0.0100) J	NA
Cobalt		NA	ND(0.0600)	ND(0.0500)	NA
Copper		NA	ND(0.0330)	ND(0.0250)	NA
Mercury		NA	ND(0.000500)	ND(0.000200)	NA
Nickel		NA	ND(0.0600)	ND(0.0400)	NA
Selenium		NA	ND(0.00600) J	ND(0.00500)	NA
Silver		NA	ND(0.0130)	ND(0.00500)	NA
Sulfide		ND(1.00)	ND(5.00)	ND(5.00)	ND(1.00)
Thallium		ŇA	ND(0.0130)	ND(0.0100) J	ŇA
Tin		NA	ND(0.300)	ND(0.0300)	NA
Vanadium		NA	ND(0.0600)	ND(0.0500)	NA
Zinc		NA	ND(0.0260)	0.0130 J	NA
Inorganics-Fi	iltered			1	
Antimony		ND(0.0400)	NA	0.00800 B	ND(0.0400)
Arsenic		ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Barium		0.0277 B	NA	0.0260 B	0.00875 B
Beryllium		0.00548 J	NA	ND(0.00100)	ND(0.0100)
Cadmium		ND(0.00500) J	NA	ND(0.00500)	ND(0.0100)
Chromium		0.00224 B	NA	ND(0.0100) J	ND(0.0100)
Cobalt		ND(0.0100) J	NA	ND(0.0500)	ND(0.0100)
Copper		ND(0.0100) J	NA	ND(0.0250)	ND(0.0100) J
Mercury		ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel		ND(0.0100) J	NA	ND(0.0400)	0.00585 B
Selenium		ND(0.0200)	NA	0.00650	ND(0.0200)
Thallium		0.00638 J	NA	ND(0.0100) J	ND(0.0100)
Tin		ND(0.0100) J	NA	ND(0.0300)	0.0332 J
Vanadium		ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0200)	NA	0.0150 J	0.0290

Sample ID:	OPCA-MW-4	OPCA-MW-4	OPCA-MW-5	OPCA-MW-5R
Parameter Date Collected:		04/22/08	06/15/99	06/28/01
Volatile Organics			L.	
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.010) J
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050) J
Chlorobenzene	ND(0.0010)	0.00012 J	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0020)
Toluene	0.00032 J	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Trichloroethene	0.0017	0.0014 J	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	0.00032 J	ND(0.010)	ND(0.0020)
Total VOCs	0.0020 J	0.0018 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000051)	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	0.0016 J	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.0052)	ND(0.010)	0.011
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.0052)	ND(0.010)	0.0038 J
Dimethylphthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.0052)	ND(0.010)	0.062
Furans				
2,3,7,8-TCDF	ND(0.000000020)	0.000000094 J	ND(0.0000000080)	ND(0.000000000015)
TCDFs (total)	ND(0.000000020)	0.0000022	ND(0.0000000080)	ND(0.000000000015)
1,2,3,7,8-PeCDF	ND(0.000000052)	0.000000074 J	ND(0.000000028)	ND(0.0000000000080)
2,3,4,7,8-PeCDF	ND(0.000000052)	ND(0.000000066)	ND(0.000000027)	ND(0.0000000000080)
PeCDFs (total)	ND(0.000000056)	0.00000042 J	ND(0.000000028)	ND(0.0000000000080)
1,2,3,4,7,8-HxCDF	ND(0.000000052)	ND(0.000000051)	ND(0.000000050)	ND(0.000000000020)
1,2,3,6,7,8-HxCDF	ND(0.000000052)	ND(0.000000051)	ND(0.000000051)	ND(0.000000000019)
1,2,3,7,8,9-HxCDF	ND(0.000000052)	ND(0.000000053)	ND(0.000000049)	ND(0.00000000024)
2,3,4,6,7,8-HxCDF	ND(0.000000052)	ND(0.000000051)	ND(0.000000053)	ND(0.00000000022)
HxCDFs (total)	ND(0.000000052)	0.000000011 J	ND(0.000000053)	ND(0.000000000021)
1,2,3,4,6,7,8-HpCDF	ND(0.000000052)	ND(0.000000051)	ND(0.000000088)	ND(0.000000000019)
1,2,3,4,7,8,9-HpCDF	ND(0.000000052)	ND(0.000000063)	ND(0.000000088)	ND(0.00000000023)
HpCDFs (total)	ND(0.000000052)	ND(0.000000055)	ND(0.000000088)	ND(0.000000000021)
OCDF	ND(0.00000010)	ND(0.00000013)	ND(0.000000078)	ND(0.00000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.000000025)	ND(0.000000041)	ND(0.000000012)	ND(0.00000000031)
TCDDs (total)	ND(0.000000025)	ND(0.000000041)	ND(0.000000012)	ND(0.00000000031)
1,2,3,7,8-PeCDD	ND(0.000000052)	ND(0.000000051)	ND(0.00000014)	ND(0.000000000015)
PeCDDs (total)	ND(0.000000052)	ND(0.000000051)	ND(0.00000014)	ND(0.000000000044)
1,2,3,4,7,8-HxCDD	ND(0.000000052)	ND(0.000000054)	ND(0.000000062)	ND(0.000000000029)
1,2,3,6,7,8-HxCDD	ND(0.000000052)	ND(0.000000055)	ND(0.000000077)	ND(0.000000000031)
1,2,3,7,8,9-HxCDD	ND(0.000000052)	ND(0.000000056)	ND(0.000000068)	ND(0.00000000028)
HxCDDs (total)	ND(0.000000052)	ND(0.000000055)	ND(0.000000077)	ND(0.00000000033)
1,2,3,4,6,7,8-HpCDD	ND(0.000000052)	ND(0.000000085)	ND(0.00000012)	ND(0.00000000028)
HpCDDs (total)	ND(0.000000052)	ND(0.000000085)	ND(0.00000012)	ND(0.000000000040)
OCDD	ND(0.00000010)	ND(0.00000016)	ND(0.00000012)	ND(0.00000000016) X
Total TEQs (WHO TEFs)	0.000000073	0.000000095	0.00000011	0.00000000035

	Sample ID:	OPCA-MW-4	OPCA-MW-4	OPCA-MW-5	OPCA-MW-5R
Parameter	Date Collected:	10/09/07	04/22/08	06/15/99	06/28/01
Inorganics-U	nfiltered				
Antimony		NA	NA	ND(0.0600)	ND(0.0600)
Arsenic		NA	NA	ND(0.00600)	0.00790 B
Barium		NA	NA	0.0290	0.0590 B
Beryllium		NA	NA	ND(0.00600)	ND(0.00100)
Cadmium		NA	NA	ND(0.00600)	ND(0.00500)
Chromium		NA	NA	ND(0.0130)	0.00430 B
Cobalt		NA	NA	ND(0.0600)	0.00620 B
Copper		NA	NA	ND(0.0330)	ND(0.0250)
Mercury		NA	NA	ND(0.000500)	ND(0.000200)
Nickel		NA	NA	ND(0.0600)	ND(0.0400)
Selenium		NA	NA	ND(0.00600) J	ND(0.00500)
Silver		NA	NA	ND(0.0130)	ND(0.00500)
Sulfide		ND(1.00)	1.00 J	ND(5.00)	8.00
Thallium		ŇA	NA	ND(0.0130)	ND(0.0100)
Tin		NA	NA	ND(0.300)	ND(0.0300)
Vanadium		NA	NA	ND(0.0600)	ND(0.0500)
Zinc		NA	NA	ND(0.0260)	0.0150 B
Inorganics-Fi	Itered				
Antimony		ND(0.0400)	ND(0.0400)	NA	ND(0.0600)
Arsenic		ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium		0.0270 B	0.00975 B	NA	0.0440 B
Beryllium		0.00373 B	ND(0.0100) J	NA	0.000860 B
Cadmium		ND(0.00500) J	ND(0.00500) J	NA	0.00140 B
Chromium		ND(0.0100) J	0.00150 B	NA	ND(0.0100)
Cobalt		ND(0.0100)	ND(0.0100) J	NA	0.00660 B
Copper		ND(0.0100)	ND(0.0100) J	NA	ND(0.0250)
Mercury		ND(0.000285)	ND(0.000285)	NA	ND(0.000200)
Nickel		ND(0.0100)	ND(0.0100) J	NA	ND(0.0400)
Selenium		ND(0.0200)	ND(0.0200)	NA	ND(0.00500)
Thallium		ND(0.0100) J	0.00936 J	NA	ND(0.0100)
Tin		ND(0.0100)	ND(0.0100) J	NA	ND(0.0300)
Vanadium		ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc		0.0100 B	0.0112 B	NA	0.0110 B

Sam	ple ID: OPCA-MW-5R	OPCA-MW-5R	OPCA-MW-5R	OPCA-MW-6
Parameter Date Col	•	10/09/07	04/24/08	06/15/99
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Acetone	ND(0.0050)	ND(0.0050) J	ND(0.0050) J	ND(0.10)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chlorobenzene	ND(0.0010)	0.00024 J	0.00048 J	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Toluene	ND(0.0010)	0.00011 J	ND(0.0010) J	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	0.0012 J	ND(0.010)
Total VOCs	ND(0.10)	0.00035 J	0.0017 J	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	NA	0.00012
Aroclor-1260	NA	NA	NA	ND(0.000050)
Total PCBs	NA	NA	NA	0.00012
PCBs-Filtered	•	·		
Aroclor-1254	ND(0.00011)	ND(0.00010)	ND(0.000068) J	NA
Aroclor-1260	0.00024	ND(0.00010)	ND(0.000068) J	NA
Total PCBs	0.00024	ND(0.00010)	ND(0.000068) J	NA
Semivolatile Organics				•
1.2.4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Furans				- · · · ·
2,3,7,8-TCDF	0.000000017	J 0.000000076 J	0.000000042 J	ND(0.0000000090)
TCDFs (total)	0.000000017		0.00000020	ND(0.0000000090)
1,2,3,7,8-PeCDF	ND(0.00000005		ND(0.000000052)	ND(0.000000033)
2,3,4,7,8-PeCDF	ND(0.00000005		ND(0.000000052)	ND(0.000000031)
PeCDFs (total)	ND(0.000000053		ND(0.000000052)	ND(0.000000033)
1,2,3,4,7,8-HxCDF	ND(0.00000005	3) 0.00000053	ND(0.000000052)	ND(0.000000089)
1,2,3,6,7,8-HxCDF	ND(0.00000005	ND(0.000000052)	ND(0.000000052)	ND(0.000000092)
1,2,3,7,8,9-HxCDF	ND(0.00000005	(0.000000052)	ND(0.000000052)	ND(0.000000087)
2,3,4,6,7,8-HxCDF	ND(0.00000005	3) ND(0.000000052)	ND(0.000000052)	ND(0.000000096)
HxCDFs (total)	ND(0.00000005	i3) 0.0000042 J	ND(0.000000052)	ND(0.000000095)
1,2,3,4,6,7,8-HpCDF	ND(0.00000005	ND(0.000000052)	ND(0.000000052)	ND(0.00000020)
1,2,3,4,7,8,9-HpCDF	ND(0.00000005	i3) ND(0.000000052)	ND(0.000000052)	ND(0.00000020)
HpCDFs (total)	ND(0.00000005	i3) ND(0.000000052)	ND(0.000000052)	ND(0.00000020)
OCDF	ND(0.0000001	1) ND(0.00000010)	ND(0.00000010)	ND(0.00000020)
Dioxins				
2,3,7,8-TCDD	ND(0.000000001	6) ND(0.000000014)	ND(0.000000010)	ND(0.000000012)
TCDDs (total)	ND(0.00000001	6) ND(0.000000014)	ND(0.000000010)	ND(0.000000012)
1,2,3,7,8-PeCDD	ND(0.00000005	i3) ND(0.000000052)	ND(0.000000052)	ND(0.00000012)
PeCDDs (total)	ND(0.00000005		ND(0.000000052)	ND(0.00000012)
1,2,3,4,7,8-HxCDD	ND(0.00000005		ND(0.000000052)	ND(0.00000012)
1,2,3,6,7,8-HxCDD	ND(0.00000005		ND(0.000000052)	ND(0.00000015)
1,2,3,7,8,9-HxCDD	ND(0.00000005		ND(0.000000052)	ND(0.00000013)
HxCDDs (total)	ND(0.00000005	ND(0.000000052)	ND(0.000000052)	ND(0.00000015)
1,2,3,4,6,7,8-HpCDD	ND(0.00000005	3) ND(0.000000052)	ND(0.000000052)	ND(0.00000026)
HpCDDs (total)	ND(0.00000005		ND(0.000000052)	ND(0.00000026)
OCDD	0.00000019 J	0.00000018 J	ND(0.00000010)	ND(0.00000029)
Total TEQs (WHO TEFs)	0.000000070		0.000000068	0.00000012

<b>-</b>	Sample ID:	OPCA-MW-5R	OPCA-MW-5R	OPCA-MW-5R	OPCA-MW-6
Parameter	Date Collected:	04/18/07	10/09/07	04/24/08	06/15/99
Inorganics-U	nfiltered				
Antimony		NA	NA	NA	ND(0.0600)
Arsenic		NA	NA	NA	ND(0.00600)
Barium		NA	NA	NA	0.0300
Beryllium		NA	NA	NA	ND(0.00600)
Cadmium		NA	NA	NA	ND(0.00600)
Chromium		NA	NA	NA	ND(0.0130)
Cobalt		NA	NA	NA	ND(0.0600)
Copper		NA	NA	NA	ND(0.0330)
Mercury		NA	NA	NA	ND(0.000500)
Nickel		NA	NA	NA	ND(0.0600)
Selenium		NA	NA	NA	ND(0.00600) J
Silver		NA	NA	NA	ND(0.0130)
Sulfide		ND(1.00)	ND(1.00) J	ND(1.00) J	ND(5.00)
Thallium		ŇA	NA	NA	ND(0.0130)
Tin		NA	NA	NA	ND(0.300)
Vanadium		NA	NA	NA	ND(0.0600)
Zinc		NA	NA	NA	ND(0.0260)
Inorganics-Fi	iltered				· · ·
Antimony		ND(0.0400)	ND(0.0400)	ND(0.0400)	NA
Arsenic		ND(0.0100) J	ND(0.0100)	ND(0.0100)	NA
Barium		0.0161 B	0.0536 B	0.0609 B	NA
Beryllium		ND(0.0100)	0.000330 B	0.00251 J	NA
Cadmium		ND(0.0100)	ND(0.00500) J	ND(0.00500) J	NA
Chromium		ND(0.0100)	ND(0.0100) J	0.00134 B	NA
Cobalt		ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Copper		ND(0.0100) J	ND(0.0100)	ND(0.0100) J	NA
Mercury		ND(0.000285)	ND(0.000285)	ND(0.000285)	NA
Nickel		ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Selenium		ND(0.0200)	ND(0.0200)	ND(0.0200)	NA
Thallium		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA
Tin		0.00102 J	ND(0.0100)	ND(0.0100) J	NA
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc		0.0124 B	0.00813 B	0.00643 B	NA

Sample ID:	OPCA-MW-6	OPCA-MW-6	OPCA-MW-6	OPCA-MW-6
Parameter Date Collected:	05/02/01	04/18/07	10/15/07	04/23/08
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.010)	ND(0.0050)	ND(0.0050) J	0.0015 J
Bromoform	ND(0.0050)	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.10)	ND(0.10)	0.0015 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.000065)	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	ND(0.00011)	ND(0.000065)	0.00017 J
Aroclor-1260	ND(0.000065)	ND(0.00011)	ND(0.000065)	ND(0.000066) J
Total PCBs	ND(0.000065)	ND(0.00011)	ND(0.000065)	0.00017 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.010)	ND(0.0051)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Furans				
2,3,7,8-TCDF	ND(0.000000012)	ND(0.000000012)	ND(0.000000021)	0.000000044 J
TCDFs (total)	ND(0.000000012)	ND(0.000000012)	ND(0.000000021)	0.000000073 J
1,2,3,7,8-PeCDF	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
2,3,4,7,8-PeCDF	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
PeCDFs (total)	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,4,7,8-HxCDF	ND(0.000000015)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,6,7,8-HxCDF	ND(0.000000011)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,7,8,9-HxCDF	ND(0.000000014)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
2,3,4,6,7,8-HxCDF	ND(0.000000012)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
HxCDFs (total)	ND(0.000000015)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,4,6,7,8-HpCDF	ND(0.000000017)	ND(0.000000053)	0.000000052 J	ND(0.000000051)
1,2,3,4,7,8,9-HpCDF	ND(0.000000020)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
HpCDFs (total)	ND(0.000000018)	ND(0.000000053)	0.000000052 J	ND(0.000000051)
OCDF	ND(0.000000039)	ND(0.00000011)	0.00000013 J	ND(0.00000010)
Dioxins				
2,3,7,8-TCDD	ND(0.000000017)	ND(0.000000015)	ND(0.000000028)	ND(0.000000022)
TCDDs (total)	ND(0.000000017)	ND(0.000000015)	ND(0.000000028)	ND(0.000000022)
1,2,3,7,8-PeCDD	ND(0.000000019)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
PeCDDs (total)	ND(0.000000019)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,4,7,8-HxCDD	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,6,7,8-HxCDD	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,7,8,9-HxCDD	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
HxCDDs (total)	ND(0.000000016)	ND(0.000000053)	ND(0.000000052)	ND(0.000000051)
1,2,3,4,6,7,8-HpCDD	ND(0.000000026)	ND(0.000000053)	ND(0.000000052)	ND(0.000000060)
HpCDDs (total)	ND(0.000000026)	ND(0.000000053)	ND(0.000000052)	ND(0.000000060)
OCDD	ND(0.000000047)	ND(0.00000011)	0.00000016 J	ND(0.00000010)
Total TEQs (WHO TEFs)	0.000000028	0.000000068	0.000000074	0.000000073

	Sample ID:	OPCA-MW-6	OPCA-MW-6	OPCA-MW-6	OPCA-MW-6
Parameter	Date Collected:	05/02/01	04/18/07	10/15/07	04/23/08
Inorganics-U	nfiltered				
Antimony		ND(0.0600)	NA	NA	NA
Arsenic		ND(0.0100)	NA	NA	NA
Barium		0.0170 B	NA	NA	NA
Beryllium		ND(0.00100)	NA	NA	NA
Cadmium		ND(0.00500)	NA	NA	NA
Chromium		ND(0.0100) J	NA	NA	NA
Cobalt		ND(0.0500)	NA	NA	NA
Copper		0.00400 B	NA	NA	NA
Mercury		ND(0.000200)	NA	NA	NA
Nickel		ND(0.0400)	NA	NA	NA
Selenium		0.00570	NA	NA	NA
Silver		ND(0.00500)	NA	NA	NA
Sulfide		ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)
Thallium		ND(0.0100) J	ŇA	ŇA	ŇA
Tin		ND(0.0300)	NA	NA	NA
Vanadium		ND(0.0500)	NA	NA	NA
Zinc		0.0210 J	NA	NA	NA
Inorganics-Fi	Itered		I	l	
Antimony		ND(0.0600)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic		ND(0.0100)	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Barium		0.0160 B	0.00684 B	ND(0.500)	0.00804 B
Beryllium		ND(0.00100)	ND(0.0100)	0.00366 J	ND(0.0100) J
Cadmium		ND(0.00500)	ND(0.0100)	ND(0.00500)	ND(0.00500) J
Chromium		ND(0.0100) J	ND(0.0100)	ND(0.0100)	0.00179 B
Cobalt		ND(0.0500)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Copper		ND(0.0250)	ND(0.0100) J	ND(0.200)	ND(0.0100) J
Mercury		ND(0.000200)	ND(0.000285)	ND(0.000570)	ND(0.000285)
Nickel		ND(0.0400)	ND(0.0100)	ND(0.0500)	ND(0.0100) J
Selenium		0.00590	ND(0.0200)	ND(0.0200)	ND(0.0200)
Thallium		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	0.00656 J
Tin		ND(0.0300)	0.00108 J	0.00939 J	ND(0.0100) J
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.0150 J	ND(0.0200)	0.0196 B	ND(0.0200)

	Sample ID:	OPCA-MW-7	OPCA-MW-7	OPCA-MW-7	OPCA-MW-7
Parameter	Date Collected:	06/15/99	05/01/01	04/19/07	10/11-10/18/2007
Volatile Orgar	nics		·		
1,1,1-Trichloro	ethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroeth	nane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone		ND(0.10)	ND(0.010)	ND(0.0050) J	ND(0.0050) J
Bromoform		ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010) J
Chlorobenzene	9	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloro	methane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroeth	ene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0010)	0.00029 J
Trichloroethen	е	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoro	methane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride		ND(0.010)	ND(0.0020)	ND(0.0010) J	ND(0.0010)
Total VOCs		ND(0.20)	ND(0.20)	ND(0.10)	0.00029 J
PCBs-Unfilter	ed				I.
Aroclor-1254		ND(0.000051)	ND(0.000065)	NA	NA
Aroclor-1260		ND(0.000051)	ND(0.000065)	NA	NA
Total PCBs		ND(0.000051)	ND(0.000065)	NA	NA
PCBs-Filtered		· · · · · /			
Aroclor-1254		NA	ND(0.000065)	ND(0.00010)	0.0012
Aroclor-1260		NA	ND(0.000065)	ND(0.00010)	0.00091
Total PCBs		NA	ND(0.000065)	ND(0.00010)	0.00211
Semivolatile C	Drganics				0.00211
1,2,4-Trichloro	-	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene		ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexy		ND(0.011)	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	, , prini alato	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthal	ate	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene		ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Furans		(		(0.0.0)	
2,3,7,8-TCDF		ND(0.0000000080)	ND(0.000000014)	ND(0.000000019)	ND(0.000000035)
TCDFs (total)		ND(0.0000000080)	ND(0.000000014)	ND(0.000000019)	ND(0.0000000035)
1,2,3,7,8-PeCE	)F	ND(0.000000030)	ND(0.000000016)	ND(0.0000000056)	ND(0.0000000054)
2,3,4,7,8-PeCE		ND(0.000000028)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
PeCDFs (total)		ND(0.000000030)	ND(0.000000016)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-Hx0		ND(0.000000069)	ND(0.0000000016)	0.000000057 J	ND(0.0000000054)
1,2,3,6,7,8-Hx0		ND(0.0000000070)	ND(0.0000000090)	ND(0.000000056)	ND(0.0000000054)
1,2,3,7,8,9-Hx0		ND(0.000000067)	ND(0.0000000011)	ND(0.0000000056)	ND(0.0000000054)
2,3,4,6,7,8-Hx0		ND(0.0000000073)	ND(0.0000000010)	ND(0.0000000056)	ND(0.0000000054)
HxCDFs (total)		ND(0.0000000073)	ND(0.000000016)	0.000000057 J	ND(0.0000000054)
1,2,3,4,6,7,8-H		ND(0.000000013)	ND(0.000000016)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8,9-H		ND(0.000000013)	ND(0.0000000020)	ND(0.0000000056)	ND(0.0000000054)
HpCDFs (total)		ND(0.000000013)	ND(0.0000000018)	ND(0.0000000056)	ND(0.0000000054)
OCDF	/	ND(0.000000012)	ND(0.000000038)	ND(0.000000011)	ND(0.000000011)
Dioxins					
2,3,7,8-TCDD		ND(0.000000013)	ND(0.000000020)	ND(0.000000019)	ND(0.000000045)
TCDDs (total)		ND(0.0000000013)	ND(0.000000020)	ND(0.0000000019)	ND(0.0000000045)
1,2,3,7,8-PeCE	חר	ND(0.000000010)	ND(0.000000021)	ND(0.0000000056)	ND(0.0000000054)
PeCDDs (total)		ND(0.000000010)	ND(0.000000021)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-Hx		ND(0.0000000097)	ND(0.0000000017)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,6,7,8-Hx0		ND(0.000000012)	ND(0.0000000017)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,6,7,8,9-Hx0		ND(0.000000012)	ND(0.0000000017)	ND(0.0000000056)	ND(0.0000000054)
, , , , ,		ND(0.000000011) ND(0.000000012)	ND(0.000000016) ND(0.000000010) X	ND(0.000000056)	ND(0.0000000054)
HxCDDs (total)				, , ,	
1,2,3,4,6,7,8-H		ND(0.00000017)	ND(0.000000030)	ND(0.000000056)	ND(0.000000054)
HpCDDs (total)	)	ND(0.00000017)	ND(0.000000030)	ND(0.000000056)	ND(0.000000054)
		ND(0.00000018)	ND(0.000000048)	0.00000016 J	0.00000015 J
Total TEQs (W	nu iefs)	0.000000098	0.000000031	0.000000078	0.000000086

Baseline Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

OPCA-MW-7 Sample ID: **OPCA-MW-7 OPCA-MW-7 OPCA-MW-7** Date Collected: 06/15/99 05/01/01 04/19/07 10/11-10/18/2007 Parameter Inorganics-Unfiltered Antimony ND(0.0600) ND(0.0600) NA NA ND(0.00600) ND(0.0100) Arsenic NA NA Barium 0.0270 0.0600 B NA NA Beryllium ND(0.00600) ND(0.00100) NA NA Cadmium ND(0.00600) ND(0.00500) NA NA Chromium ND(0.0130) ND(0.0100) NA NA Cobalt ND(0.0600) ND(0.0500) NA NA Copper ND(0.0330) 0.00790 J NA NA Mercury ND(0.000500) ND(0.000200) NA NA ND(0.0400) Nickel ND(0.0600) NA NA Selenium ND(0.00600) J ND(0.00500) J NA NA Silver ND(0.0130) ND(0.00500) NA NA Sulfide ND(5.00) ND(5.00) ND(1.00) ND(1.00) J Thallium ND(0.0130) ND(0.0100) J NA NA Tin ND(0.300) ND(0.100) NA NA ND(0.0600) ND(0.0500) Vanadium NA NA Zinc ND(0.0260) 0.0200 B NA NA Inorganics-Filtered Antimony ND(0.0600) ND(0.0400) ND(0.0400) NA Arsenic NA ND(0.0100) ND(0.0100) ND(0.0100) Barium NA 0.0570 J ND(0.0100) 0.0869 B Beryllium NA ND(0.00100) ND(0.0100) J ND(0.0100) J ND(0.0100) J ND(0.00500) NA ND(0.00500) Cadmium Chromium NA ND(0.0100) ND(0.0100) J ND(0.0100) Cobalt NA ND(0.0500) ND(0.0100) J ND(0.0100) Copper NA 0.00730 J ND(0.0100) J ND(0.0100) J NA ND(0.000200) ND(0.000285) ND(0.000285) Mercury Nickel NA ND(0.0400) ND(0.0100) J ND(0.0100) NA ND(0.00500) J 0.00889 B ND(0.0200) Selenium Thallium NA ND(0.0100) J ND(0.0100) ND(0.0100) J NA ND(0.100) ND(0.0100) J ND(0.100) J Tin Vanadium NA ND(0.0500) 0.00657 B ND(0.0500) Zinc NA 0.0200 B 0.0400 0.0208

Deremeter	Sample ID: Date Collected:	OPCA-MW-7 04/21/08	OPCA-MW-8	OPCA-MW-8	
Parameter Volatile Organ		04/21/00	06/14/99	05/01/01	
Volatile Organics           1,1,1-Trichloroethane         ND(0.0010) J         ND(0.0050)         ND(0.0050) [ND(0.0050)]					
1.1-Dichloroeth		ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	
Acetone		ND(0.0050) J	ND(0.0030)	ND(0.010) [ND(0.0000)]	
Bromoform		ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Chlorobenzene	e e e e e e e e e e e e e e e e e e e	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Chloroform	,	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Dibromochloro	methane	0.00014 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Tetrachloroeth		ND(0.0010)	ND(0.0050)	ND(0.0020) [ND(0.0020)]	
Toluene		ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Trichloroethen	е	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Trichlorofluoro	methane	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	
Vinyl Chloride		ND(0.0010) J	ND(0.010)	ND(0.0020) [ND(0.0020)]	
Total VOCs		0.00014 J	ND(0.20)	ND(0.20) [ND(0.20)]	
PCBs-Unfilter	ed				
Aroclor-1254		NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]	
Aroclor-1260		NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]	
Total PCBs		NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]	
PCBs-Filtered					
Aroclor-1254		ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]	
Aroclor-1260		ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]	
Total PCBs		ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]	
Semivolatile Organics					
1,2,4-Trichloro	benzene	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]	
Acenaphthene		ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]	
bis(2-Ethylhexy	yl)phthalate	ND(0.0052)	ND(0.010)	ND(0.0060) [ND(0.0060)]	
Dibenzofuran		ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]	
Dimethylphtha	late	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]	
Naphthalene		ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]	
Furans					
2,3,7,8-TCDF		ND(0.000000012)	ND(0.0000000070)	ND(0.000000010) [ND(0.000000018) X]	
TCDFs (total)		ND(0.000000012)	ND(0.0000000070)	ND(0.000000010) [ND(0.000000032) X]	
1,2,3,7,8-PeCI		ND(0.000000052)	ND(0.000000029)	ND(0.000000028) [ND(0.00000026)]	
2,3,4,7,8-PeCI		ND(0.000000052)	ND(0.000000027)	ND(0.000000011) [0.000000034 J]	
PeCDFs (total)		ND(0.000000052)	ND(0.000000029)	ND(0.000000028) [0.00000040]	
1,2,3,4,7,8-Hx0		ND(0.000000052)	ND(0.000000097)	ND(0.000000014) [ND(0.000000045)]	
1,2,3,6,7,8-Hx0		ND(0.000000052)	ND(0.000000099)	ND(0.0000000070) [ND(0.000000028)]	
1,2,3,7,8,9-Hx		ND(0.000000052)	ND(0.000000094)	ND(0.0000000090) [0.000000018 JB]	
2,3,4,6,7,8-Hx0		ND(0.000000052)	ND(0.00000010)	ND(0.000000080) [ND(0.000000023)]	
HxCDFs (total)		ND(0.000000052)	ND(0.000000010) ND(0.000000022)	ND(0.000000014) [0.00000025]	
1,2,3,4,6,7,8-H 1,2,3,4,7,8,9-H		ND(0.000000052) ND(0.000000052)	ND(0.000000022)	ND(0.000000013) [ND(0.000000036) XB] ND(0.0000000016) [0.000000040 JB]	
HpCDFs (total)	•	ND(0.000000052)	ND(0.00000022)	ND(0.000000018) [0.000000040 3B]	
OCDFS (IOIAI)	)	ND(0.000000002)	ND(0.00000022)	ND(0.0000000014) [0.00000000000000000000000000000000000	
Dioxins		ND(0.000000010)	ND(0.00000023)	ND(0.000000031)[0.0000000353]	
		ND(0.000000014)	ND(0.000000011)		
2,3,7,8-TCDD TCDDs (total)		ND(0.000000014)	ND(0.0000000011)	ND(0.000000013) [ND(0.000000014)] ND(0.0000000013) [ND(0.0000000014)]	
1,2,3,7,8-PeCI	חר	ND(0.0000000014)	ND(0.000000011)	ND(0.000000013) [ND(0.000000014)] ND(0.0000000016) [ND(0.0000000040)]	
PeCDDs (total		ND(0.0000000052)	ND(0.000000011)	ND(0.000000016) [0.000000040]	
1,2,3,4,7,8-Hx		ND(0.000000052)	ND(0.000000011)	ND(0.000000013) [ND(0.000000024)]	
1,2,3,6,7,8-Hx		ND(0.000000052)	ND(0.00000013)	ND(0.000000013) [ND(0.000000019) XB]	
1,2,3,7,8,9-Hx		ND(0.0000000052)	ND(0.000000014)	ND(0.000000012) [ND(0.000000013)]	
HxCDDs (total		ND(0.0000000052)	ND(0.000000014)	ND(0.000000012) [0.0000000062]	
1,2,3,4,6,7,8-H	,	ND(0.0000000052)	ND(0.000000030)	ND(0.000000024) [ND(0.000000081)]	
HpCDDs (total		ND(0.0000000052)	ND(0.000000030)	ND(0.000000014) X [0.000000012]	
OCDD OCDD	/	ND(0.0000000010)	ND(0.000000037)	ND(0.000000051) XB [ND(0.00000043)]	
Total TEQs (W	HO TEFs)	0.000000067	0.000000011	0.000000023 [0.000000063]	
		0.000000000	0.00000011	0.00000020[0.00000000]	

Parameter	Sample ID: Date Collected:	OPCA-MW-7 04/21/08	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01		
Inorganics-Un	Inorganics-Unfiltered					
Antimony		NA	ND(0.0600)	ND(0.0600) [ND(0.0600)]		
Arsenic		NA	ND(0.00600)	ND(0.0100) J [ND(0.0100) J]		
Barium		NA	0.0860	0.0290 B [0.0300 B]		
Beryllium		NA	ND(0.00600)	ND(0.00100) [ND(0.00100)]		
Cadmium		NA	ND(0.00600)	ND(0.00500) [ND(0.00500)]		
Chromium		NA	ND(0.0130)	0.00600 B [0.00520 B]		
Cobalt		NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]		
Copper		NA	ND(0.0330)	ND(0.0250) [ND(0.0250)]		
Mercury		NA	ND(0.000500)	ND(0.000200) [ND(0.000200)]		
Nickel		NA	ND(0.0600)	ND(0.0400) [ND(0.0400)]		
Selenium		NA	ND(0.00600) J	ND(0.00500) [ND(0.00500)]		
Silver		NA	ND(0.0130)	ND(0.00500) [ND(0.00500)]		
Sulfide		1.00 J	ND(5.00)	ND(5.00) [ND(5.00)]		
Thallium		NA	ND(0.0130)	ND(0.0100) J [ND(0.0100) J]		
Tin		NA	ND(0.300)	ND(0.100) [ND(0.100)]		
Vanadium		NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]		
Zinc		NA	ND(0.0260)	0.0970 [0.120]		
Inorganics-Fil	tered		<b>·</b> · · · · <b>·</b> · · · · · · · · · · · ·			
Antimony		ND(0.0400)	NA	ND(0.0600) [ND(0.0600)]		
Arsenic		ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]		
Barium		0.0276 B	NA	0.0280 J [0.0280 J]		
Beryllium		ND(0.0100) J	NA	ND(0.00100) [ND(0.00100)]		
Cadmium		ND(0.00500) J	NA	ND(0.00500) [ND(0.00500)]		
Chromium		0.00134 B	NA	0.00290 B [0.00370 B]		
Cobalt		ND(0.0100) J	NA	ND(0.0500) [ND(0.0500)]		
Copper		ND(0.0100) J	NA	ND(0.0250) [0.00420 B]		
Mercury		ND(0.000285)	NA	ND(0.000200) [ND(0.000200)]		
Nickel		ND(0.0100) J	NA	ND(0.0400) [0.00410 B]		
Selenium		ND(0.0200)	NA	ND(0.00500) [ND(0.00500)]		
Thallium		0.0148 J	NA	ND(0.0100) J [ND(0.0100) J]		
Tin		ND(0.0100) J	NA	ND(0.100) [ND(0.100)]		
Vanadium		ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]		
Zinc		0.0178 B	NA	0.0540 [0.0560]		

Devenueter	Sample ID: Date Collected:	OPCA-MW-8	OPCA-MW-8	OPCA-MW-8
Parameter Volatile Organ		04/17/07	10/11/07	04/23/08
			ND(0.0010)	
1,1,1-Trichloroethane		ND(0.0010) ND(0.0010)	ND(0.0010) ND(0.0010)	ND(0.0010) ND(0.0010)
Acetone	lane	ND(0.0010)	ND(0.0010) ND(0.0050) J	ND(0.0050) J
Bromoform		ND(0.0030)	ND(0.0030) J	ND(0.0030) 3
Chlorobenzene	<u>,</u>	ND(0.0010)	ND(0.0010) 3	ND(0.0010)
Chloroform	,	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloro	methane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethe		ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene		0.011	ND(0.0010)	ND(0.0010)
Trichloroethene	э	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoror	methane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride		ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs		0.011	ND(0.10)	ND(0.10)
PCBs-Unfilter	ed		h	
Aroclor-1254		NA	NA	NA
Aroclor-1260		NA	NA	NA
Total PCBs		NA	NA	NA
PCBs-Filtered			•	
Aroclor-1254		ND(0.00012)	ND(0.00010)	0.00019 J
Aroclor-1260		ND(0.00012)	ND(0.00010)	ND(0.000069) J
Total PCBs		ND(0.00012)	ND(0.00010)	0.00019 J
Semivolatile C	Drganics			
1,2,4-Trichlorol	benzene	ND(0.010)	ND(0.010)	ND(0.0051)
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.0051)
bis(2-Ethylhexy	/l)phthalate	ND(0.010)	0.0017 J	0.0011 J
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.0051)
Dimethylphthal	ate	ND(0.010)	ND(0.010)	ND(0.0051)
Naphthalene		ND(0.010)	ND(0.010)	ND(0.0051)
Furans				
2,3,7,8-TCDF		0.000000014 J	ND(0.000000026)	ND(0.000000050)
TCDFs (total)		0.000000014 J	ND(0.000000026)	0.00000017
1,2,3,7,8-PeCE		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
2,3,4,7,8-PeCD		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
PeCDFs (total)		ND(0.000000051) Q	ND(0.000000050)	ND(0.000000052)
1,2,3,4,7,8-Hx0		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
1,2,3,6,7,8-Hx0		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
1,2,3,7,8,9-Hx0		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
2,3,4,6,7,8-Hx0		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
HxCDFs (total)		ND(0.000000051)	ND(0.000000050)	ND(0.000000052)
1,2,3,4,6,7,8-H		ND(0.000000051)	ND(0.000000050) ND(0.000000050)	ND(0.000000052)
1,2,3,4,7,8,9-H		ND(0.000000051) ND(0.000000051)	ND(0.00000000000000000000000000000000000	ND(0.000000060) ND(0.000000053)
HpCDFs (total) OCDF		ND(0.0000000010)	ND(0.00000000000000000000000000000000000	ND(0.00000000000000000000000000000000000
Dioxins		ND(0.000000010)	ND(0.00000010)	ND(0.00000011)
			ND(0.000000032)	
2,3,7,8-TCDD		ND(0.000000015) ND(0.0000000015)	ND(0.000000032)	ND(0.000000044) ND(0.000000044)
TCDDs (total)				· · /
1,2,3,7,8-PeCE PeCDDs (total)		ND(0.000000051) ND(0.000000051)	ND(0.000000050) ND(0.000000050)	ND(0.000000052) ND(0.000000052)
1,2,3,4,7,8-Hx0		ND(0.000000051)	ND(0.00000000000000000000000000000000000	ND(0.000000052)
1,2,3,6,7,8-Hx0		ND(0.0000000051)	ND(0.00000000000000000000000000000000000	ND(0.0000000052)
1,2,3,7,8,9-Hx0		ND(0.0000000051)	ND(0.00000000000000000000000000000000000	ND(0.000000052)
HxCDDs (total)		ND(0.0000000051)	ND(0.00000000000000000000000000000000000	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD		0.000000063 J	ND(0.0000000059)	ND(0.00000000000000000000000000000000000
HpCDDs (total)		0.0000000063 J	ND(0.0000000059)	ND(0.0000000085)
OCDD (total)		0.000000035 J	0.000000020 J	0.000000017 J
Total TEQs (WHO TEFs)		0.000000067	0.0000000075	0.000000084
		0.000000000	0.000000070	0.00000000

	Sample ID:	OPCA-MW-8	OPCA-MW-8	OPCA-MW-8
Parameter	Date Collected:	04/17/07	10/11/07	04/23/08
Inorganics-U	nfiltered			
Antimony		NA	NA	NA
Arsenic		NA	NA	NA
Barium		NA	NA	NA
Beryllium		NA	NA	NA
Cadmium		NA	NA	NA
Chromium		NA	NA	NA
Cobalt		NA	NA	NA
Copper		NA	NA	NA
Mercury		NA	NA	NA
Nickel		NA	NA	NA
Selenium		NA	NA	NA
Silver		NA	NA	NA
Sulfide		ND(1.00)	ND(1.00)	ND(1.00)
Thallium		NA	NA	NA
Tin		NA	NA	NA
Vanadium		NA	NA	NA
Zinc		NA	NA	NA
Inorganics-Fi	ltered			
Antimony		ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic		ND(0.0100) J	ND(0.0100)	ND(0.0100)
Barium		0.00799 B	ND(0.100)	0.00521 B
Beryllium		ND(0.0100)	ND(0.0100) J	0.00141 J
Cadmium		ND(0.0100)	ND(0.00500)	ND(0.00500) J
Chromium		ND(0.0100)	ND(0.0100)	0.00210 B
Cobalt		ND(0.0100)	ND(0.0100)	ND(0.0100) J
Copper		ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Mercury		ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel		ND(0.0100)	ND(0.0100)	ND(0.0100) J
Selenium		ND(0.0200)	ND(0.0200)	ND(0.0200)
Thallium		ND(0.0100) J	ND(0.0100) J	0.00674 J
Tin		0.004120 J	ND(0.100) J	ND(0.0100) J
Vanadium		ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc		0.00294 B	0.00726 B	0.298

Groundwater Quality Interim Report For Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts (Results are presented in parts per million, ppm)

#### Notes:

- 1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis of Appendix IX+3 constituents.
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
- 3. NA Not Analyzed.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- <sup>5</sup> Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
- 6. Field duplicate sample results are presented in brackets.
- 7. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

#### Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, dioxin/furans)

- B Analyte was also detected in the associated method blank.
- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.
- Q Indicates the presence of quantitative interferences.
- X Estimated maximum possible concentration.

#### **Inorganics**

- B Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J Indicates that the associated numerical value is an estimated concentration.
- R Data was rejected due to a deficiency in the data generation process.

# ARCADIS

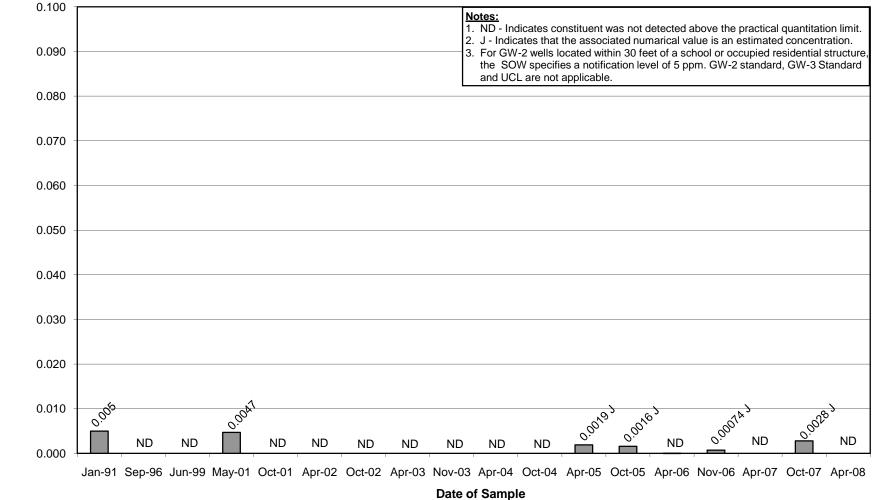
## Historical Groundwater Data

Total VOC Concentrations – Wells Sampled in Spring 2008



## **Groundwater Management Area 4**

General Electric Company - Pittsfield, Massachusetts

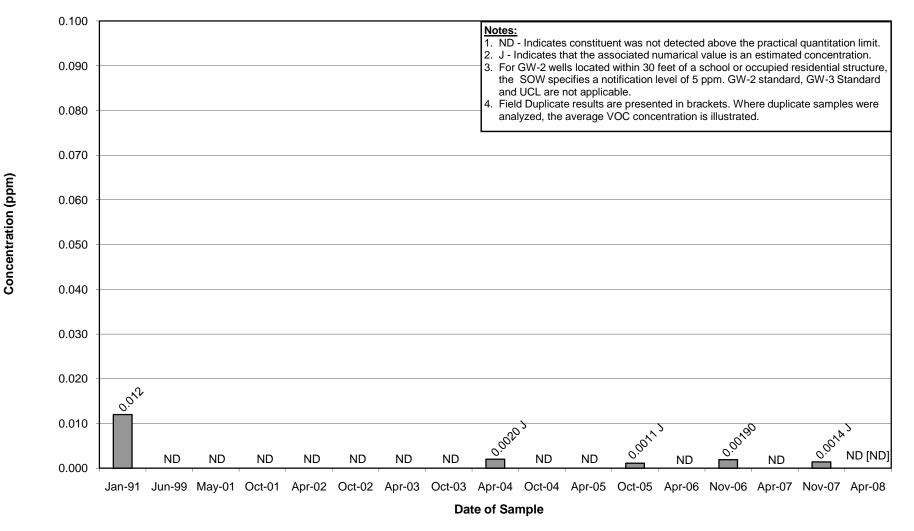


Concentration (ppm)



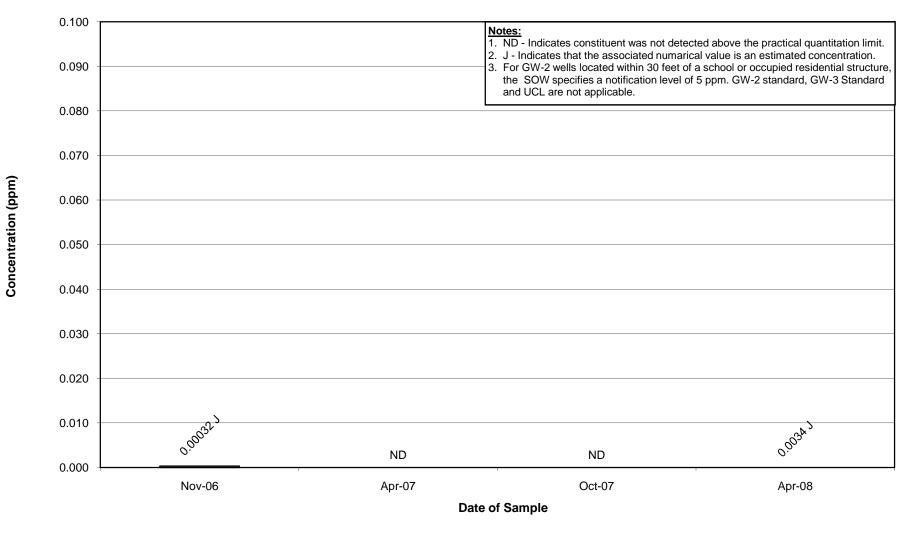
## Groundwater Management Area 4

General Electric Company - Pittsfield, Massachusetts



## Appendix D Well GMA4-6 Historical Total VOC Concentrations

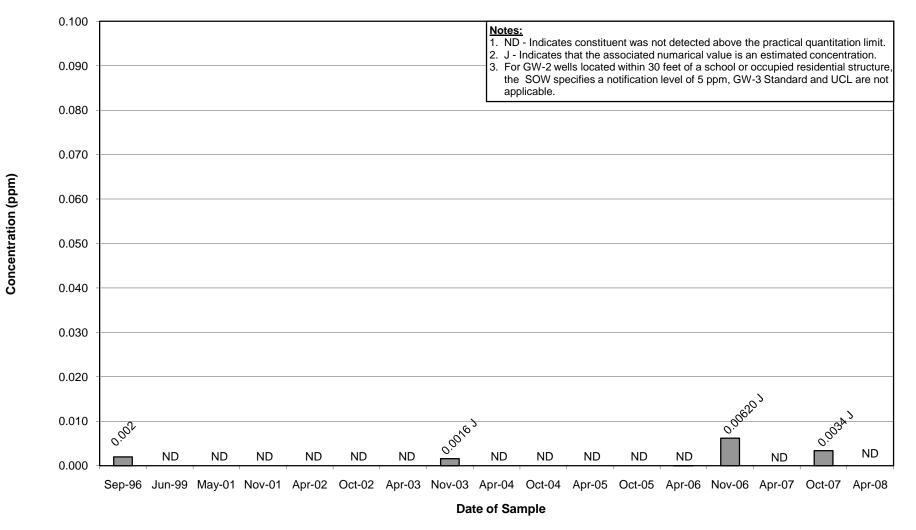
### Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts



#### Appendix D Well H78B-15 Historical Total VOC Concentrations

### Groundwater Management Area 4

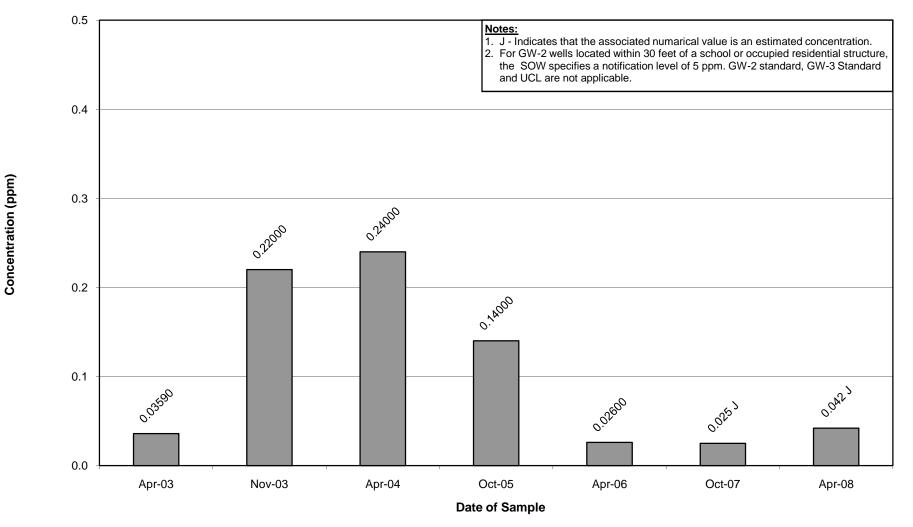
General Electric Company - Pittsfield, Massachusetts



Appendix D Well H78B-16 Historical Total VOC Concentrations

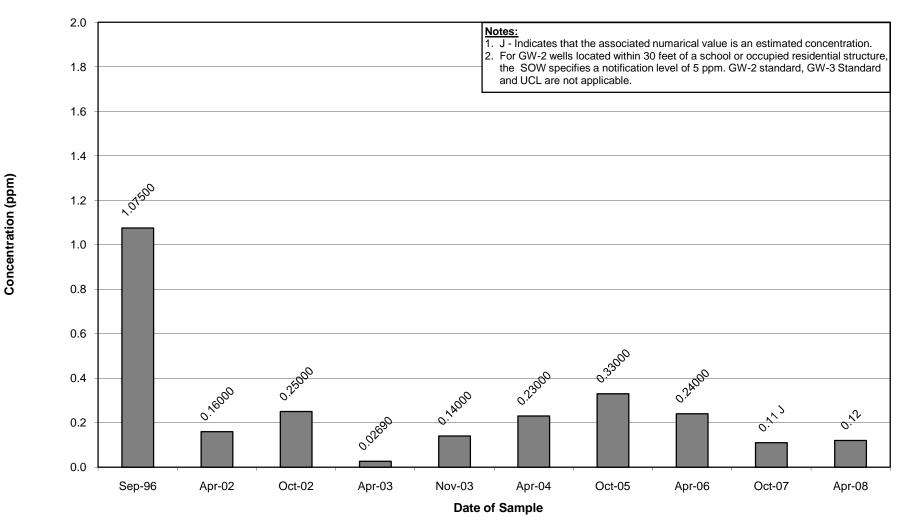
## **Groundwater Management Area 4**

General Electric Company - Pittsfield, Massachusetts



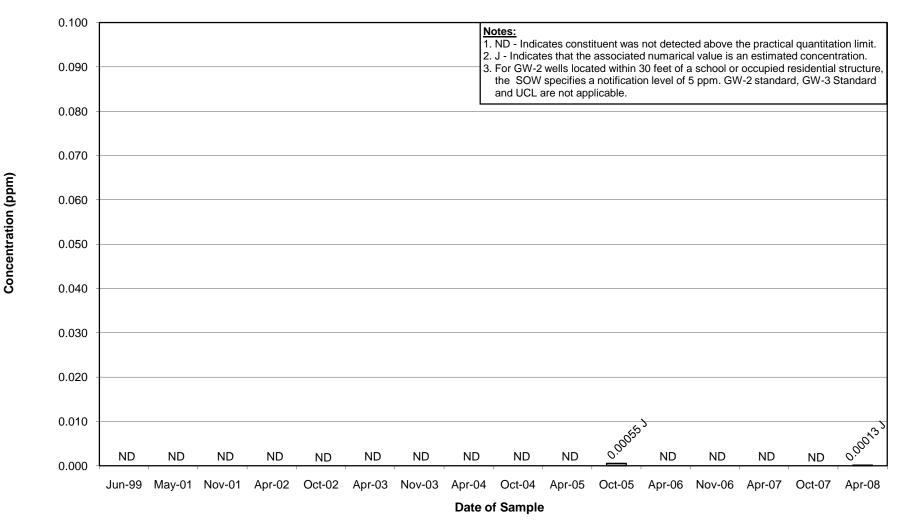
#### Appendix D Well H78B-17R Historical Total VOC Concentrations

#### Groundwater Management Area 4



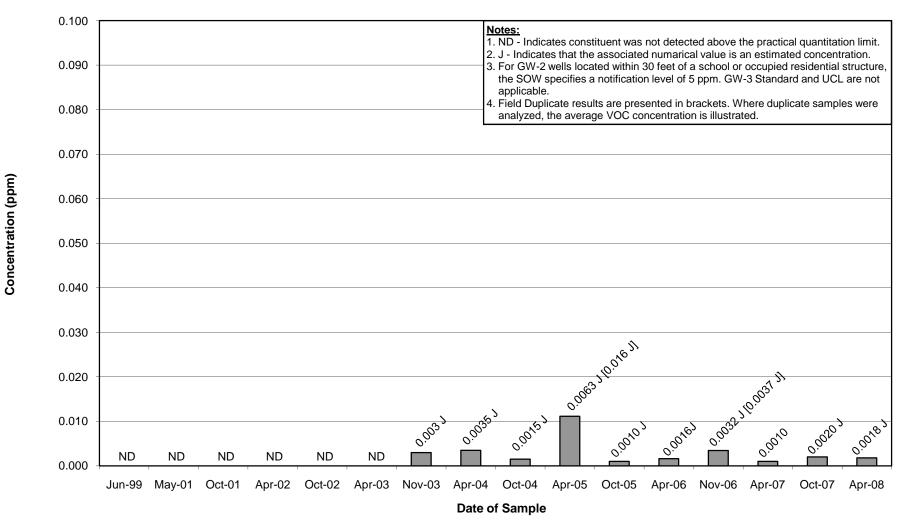
#### Appendix D Well OPCA-MW-3 Historical Total VOC Concentrations

#### Groundwater Management Area 4



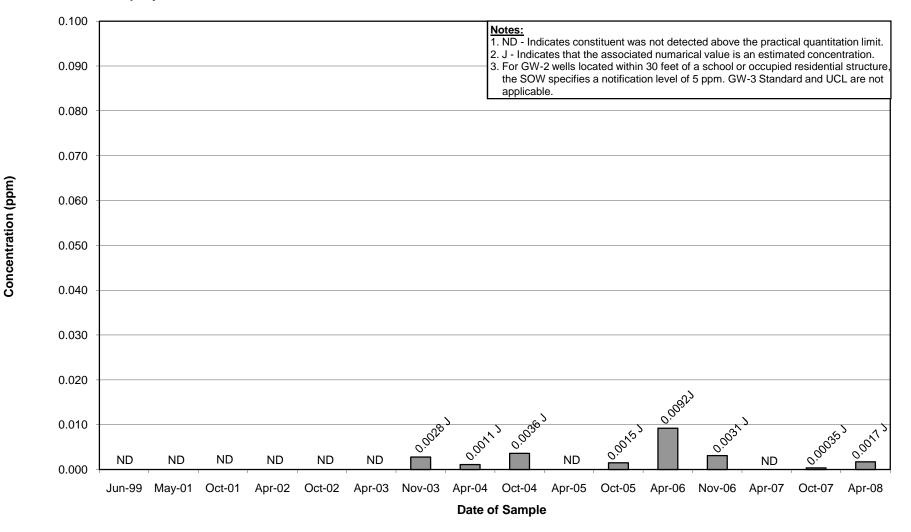
#### Appendix D Well OPCA-MW-4 Historical Total VOC Concentrations

#### **Groundwater Management Area 4**



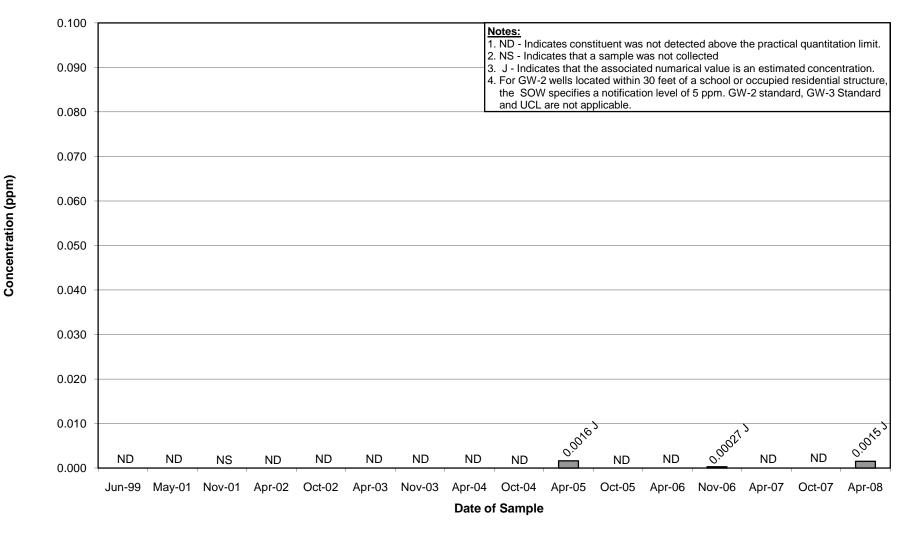
Appendix D Well OPCA-MW-5R Historical Total VOC Concentrations

#### **Groundwater Management Area 4**



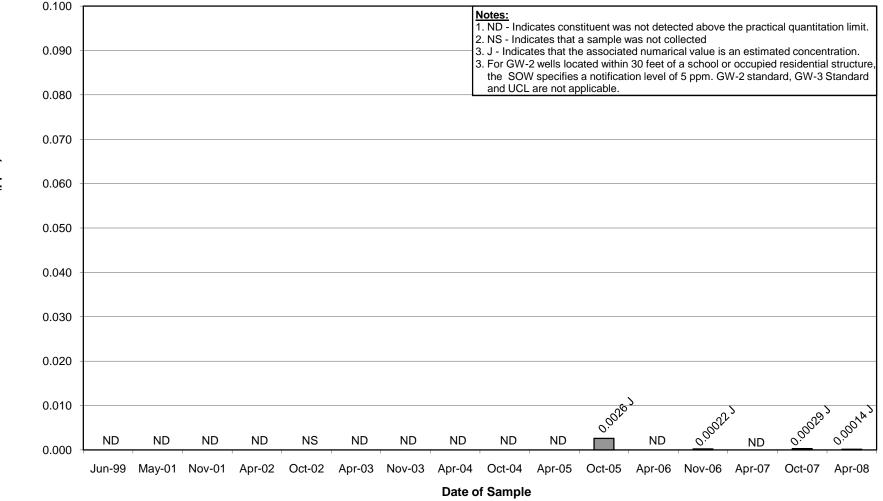
Appendix D Well OPCA-MW-6 Historical Total VOC Concentrations

#### Groundwater Management Area 4



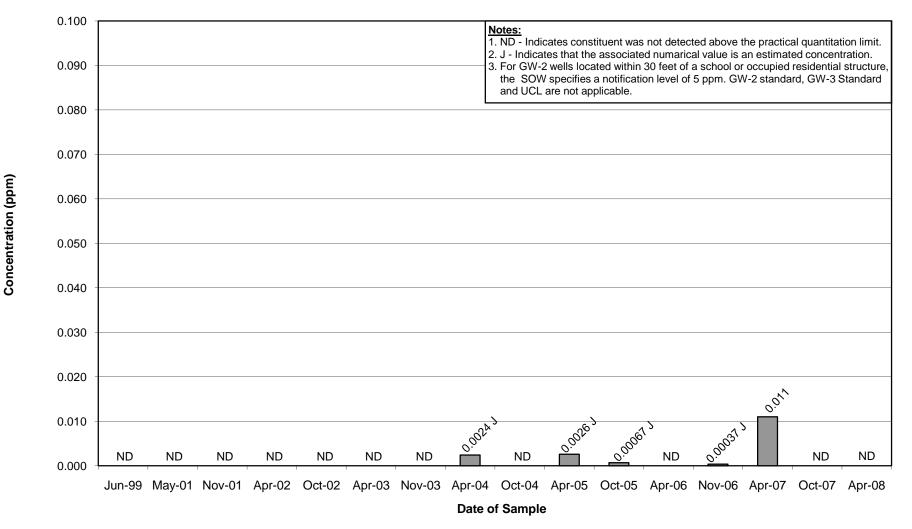
#### Appendix D Well OPCA-MW-7 Historical Total VOC Concentrations

#### Groundwater Management Area 4



#### Appendix D Well OPCA-MW-8 Historical Total VOC Concentrations

#### Groundwater Management Area 4



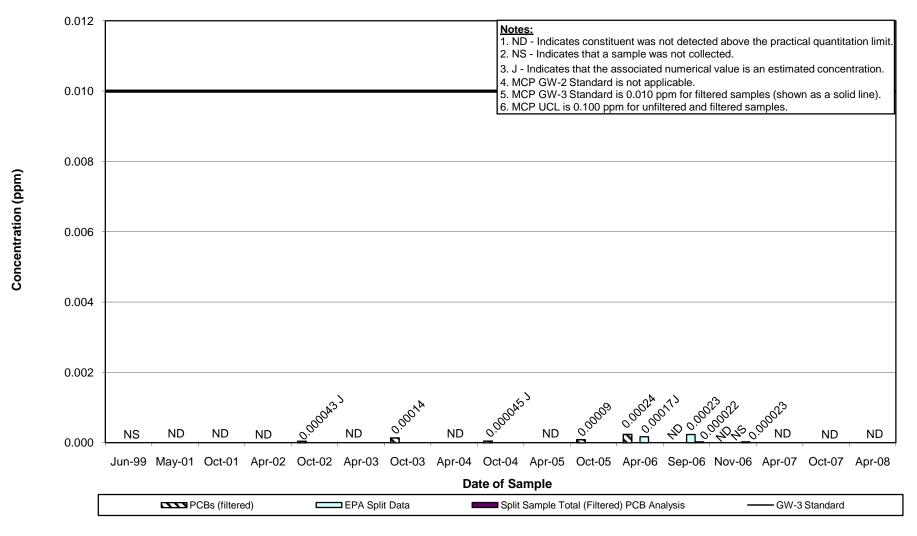
# ARCADIS

Historical Groundwater Data

Total PCB Concentrations – Wells Sampled in Spring 2008

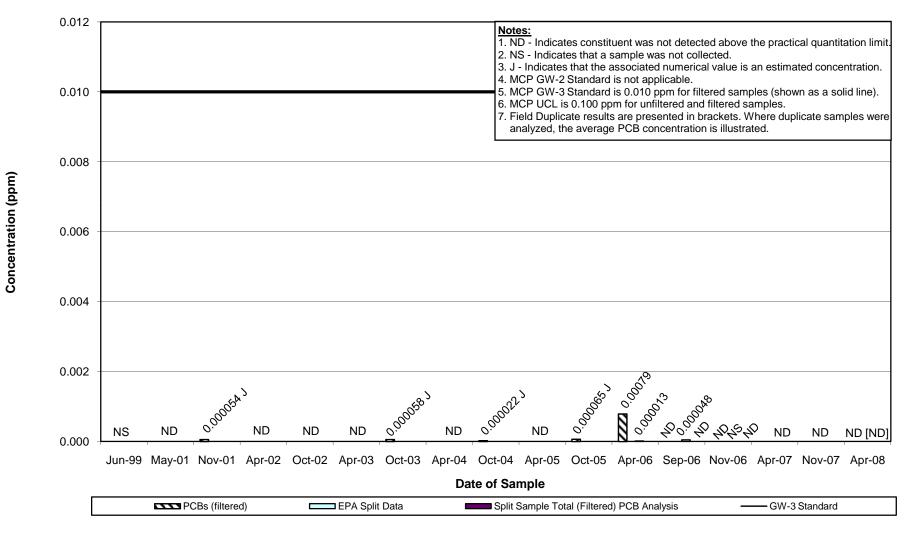
#### Appendix D Well 78-1 Historical Total PCB Concentrations

#### Groundwater Management Area 4



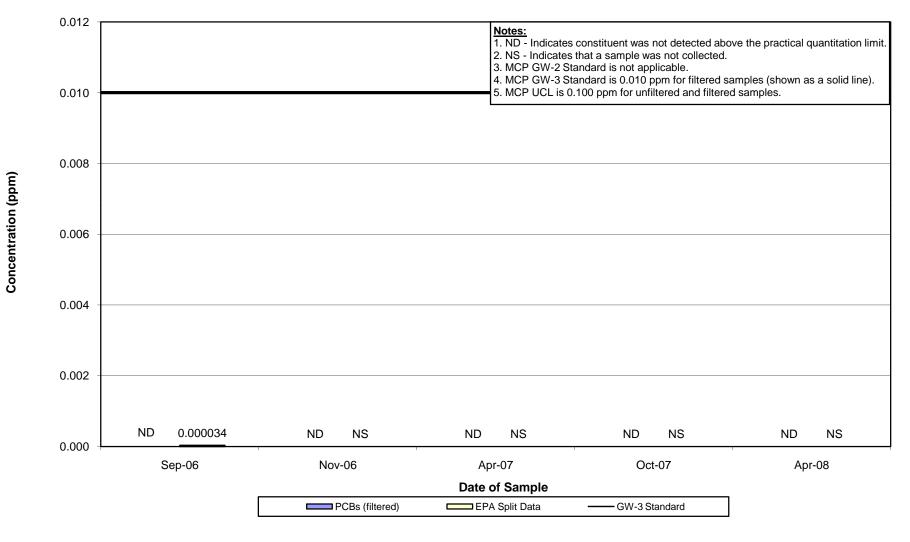
#### Appendix D Well 78-6 Historical Total PCB Concentrations

#### Groundwater Management Area 4



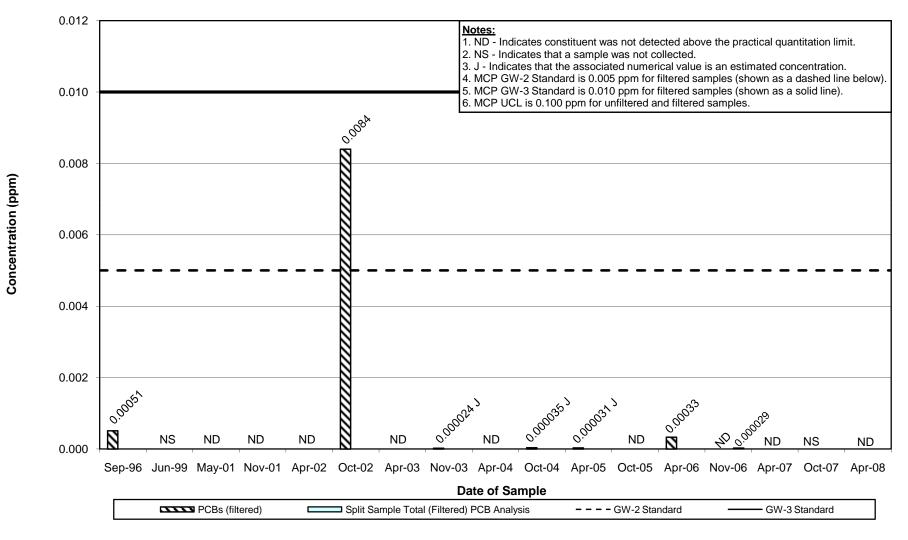
#### Appendix D Well GMA4-6 Historical Total PCB Concentrations

#### Groundwater Management Area 4



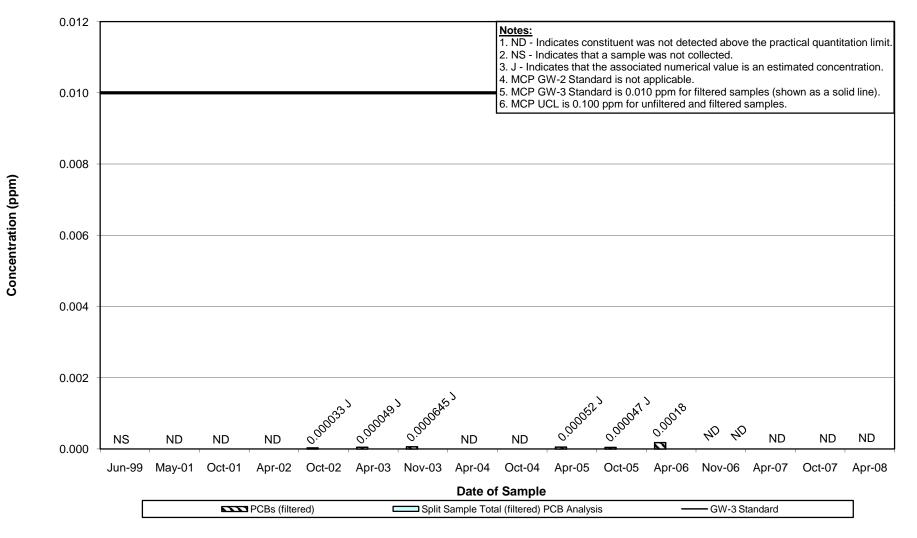
#### Appendix D Well H78B-15 Historical Total PCB Concentrations

#### Groundwater Management Area 4



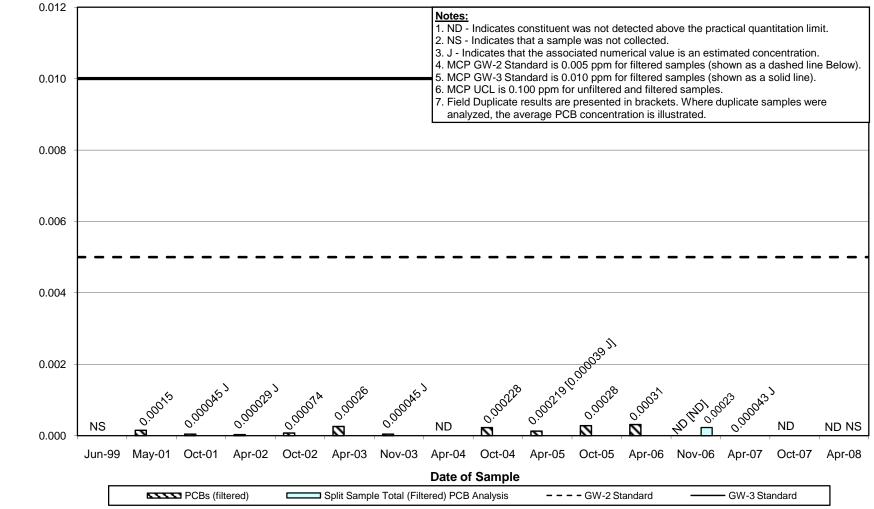
#### Appendix D Well OPCA-MW-3 Historical Total PCB Concentrations

#### Groundwater Management Area 4



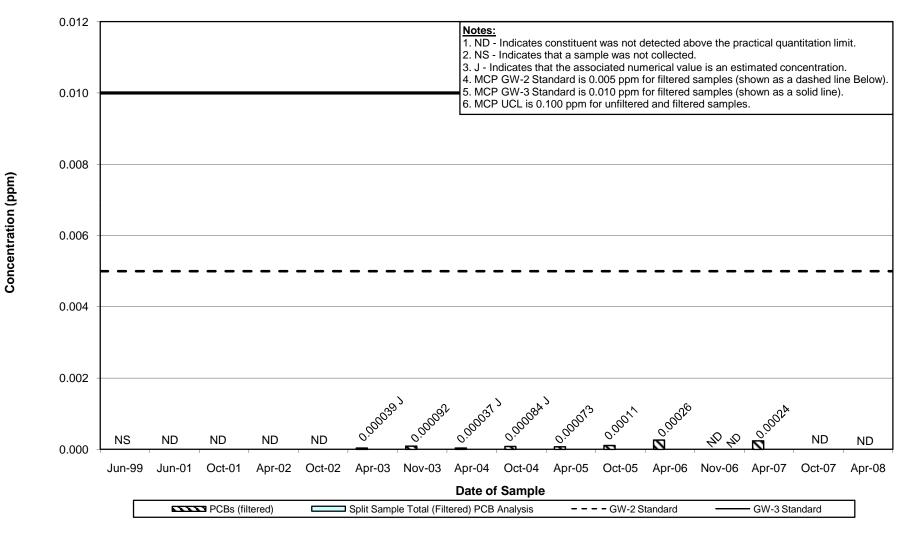
Appendix D Well OPCA-MW-4 Historical Total PCB Concentrations

#### Groundwater Management Area 4



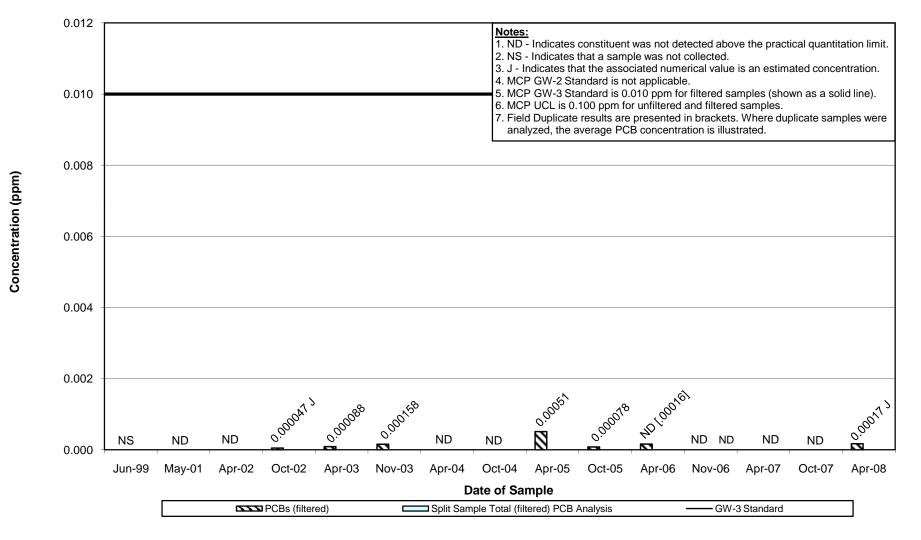
#### Appendix D Well OPCA-MW-5R Historical Total PCB Concentrations

#### Groundwater Management Area 4



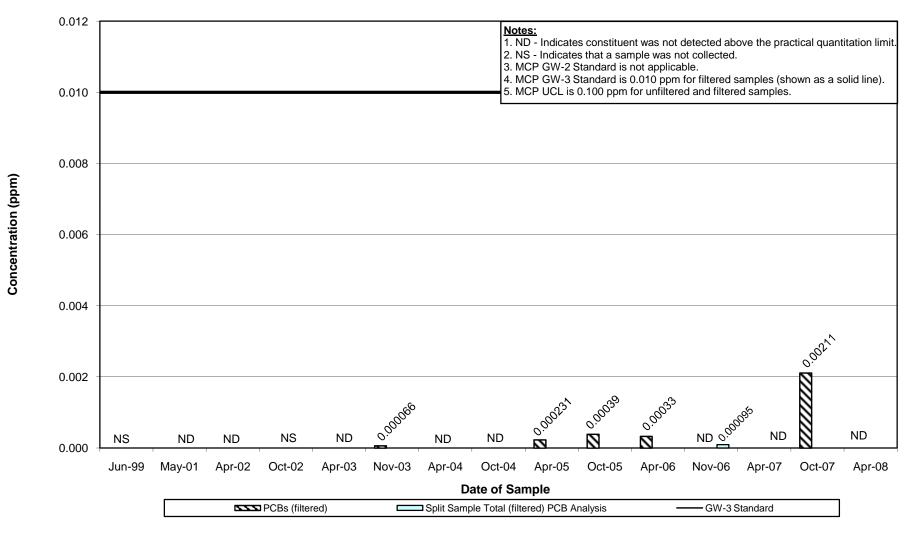
#### Appendix D Well OPCA-MW-6 Historical Total PCB Concentrations

#### **Groundwater Management Area 4**



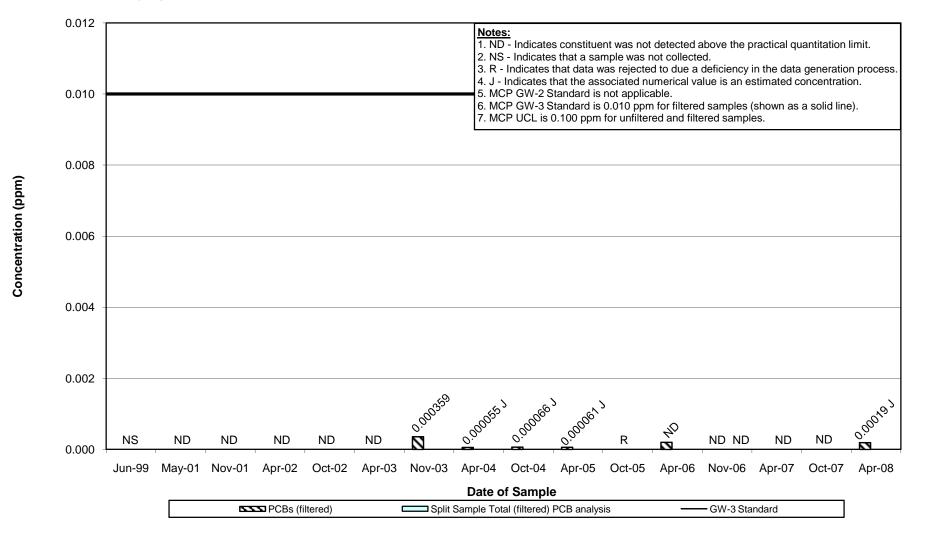
Appendix D Well OPCA-MW-7 Historical Total PCB Concentrations

#### Groundwater Management Area 4



Appendix D Well OPCA-MW-8 Historical Total PCB Concentrations

#### **Groundwater Management Area 4**



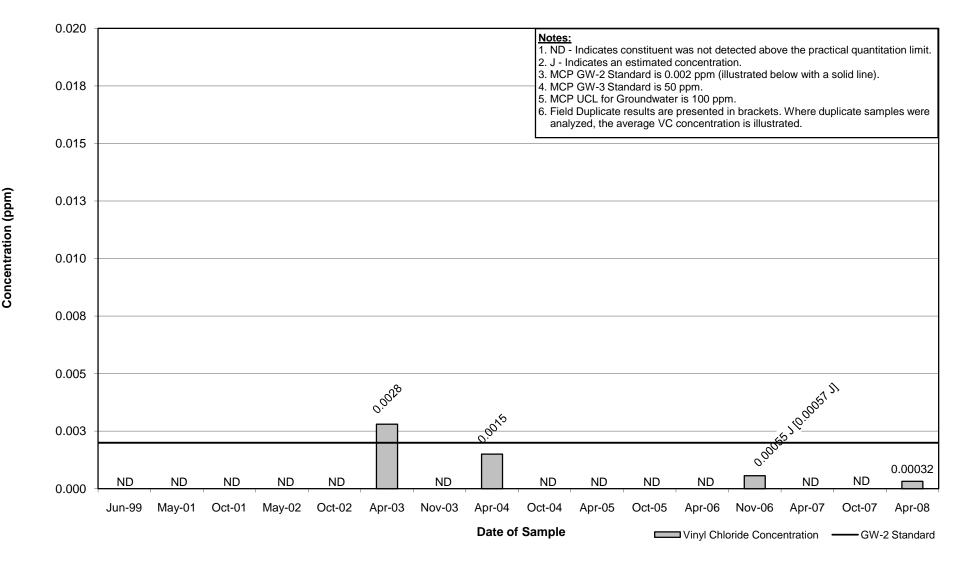
# ARCADIS

# Historical Groundwater Data

Vinyl Chloride Concentrations – Selected Wells

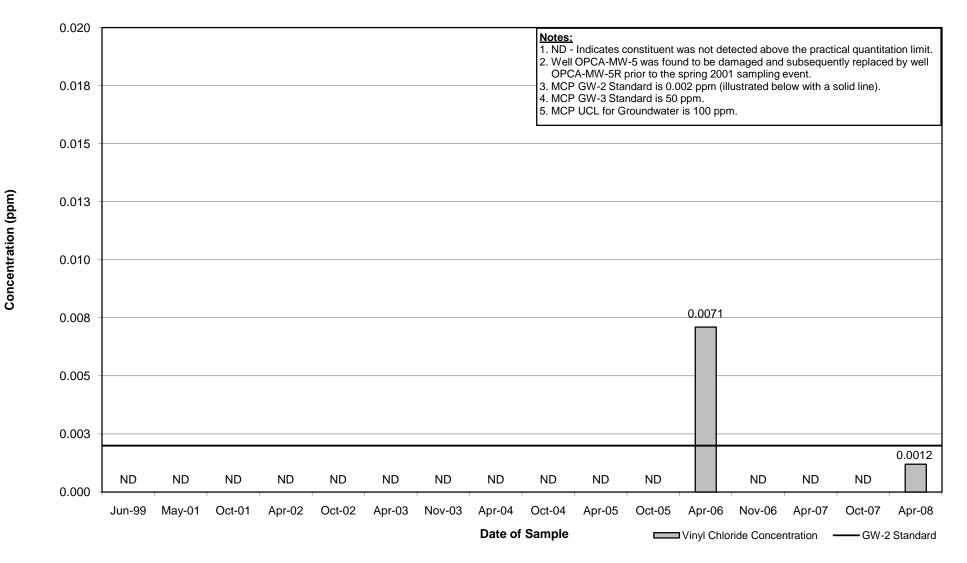
### Appendix D Well OPCA-MW-4 Historical Vinyl Chloride Concentrations

#### **Groundwater Management Area 4**



### Appendix D Well OPCA-MW-5R Historical Vinyl Chloride Concentrations

#### Groundwater Management Area 4



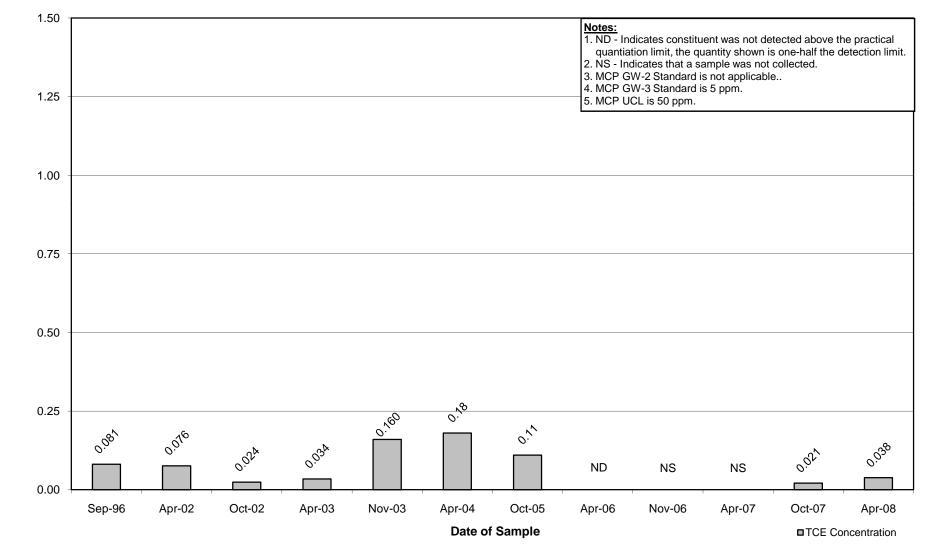
# ARCADIS

Historical Groundwater Data

Trichloroethene Concentrations – Selected Wells

#### Appendix D Well H78B-16 Historical Trichloroethene Concentrations

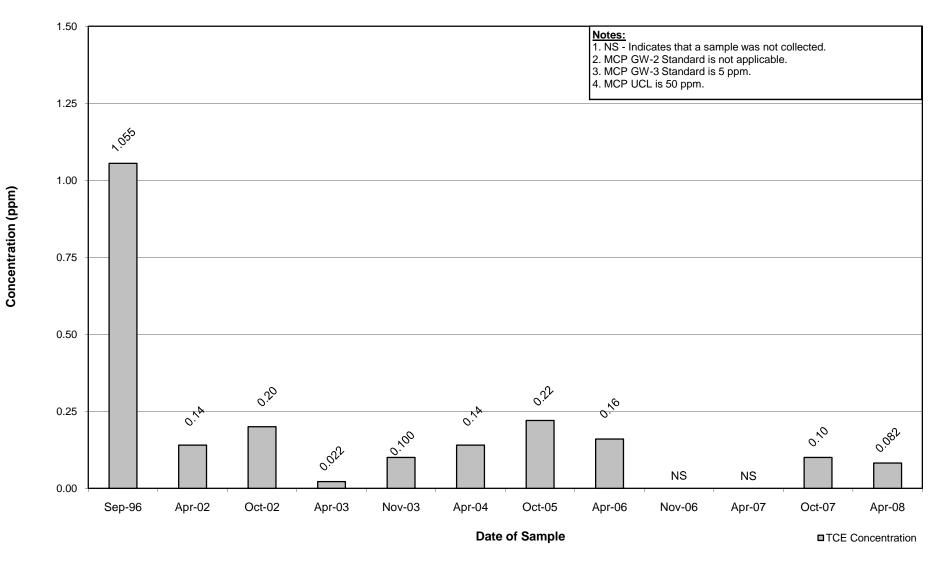
#### **Groundwater Management Area 4**



#### Appendix D Well H78B-17R Historical Trichloroethene Concentrations

#### **Groundwater Management Area 4**

General Electric Company - Pittsfield, Massachusetts



G:\GE\GE\_Pittsfield\_CD\_GMA\_4\Reports and Presentations\Spring 2008 GW Rpt\ 301811324\_AppD\_ConstGraphs.xls-H78B-17R TCE

# ARCADIS

# Appendix E

Pittsfield Generating Company Groundwater Analytical Data

# Table E-1 Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

### (Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/10/96	ASW-5/W-5* 9/20/96	ASW-5 12/16/96	ASW-5 6/9/97	ASW-5 12/16/97	ASW-5 6/23/98	ASW-5 12/29/98
Volatile Organics									
1,2 - Dichloroethene (total)	None	None							
Acetone	50	100							
Methylene chloride	50	100		0.0050 JB					
Trichloroethene	20	100	0.016	0.0150	0.014	0.0150	0.0120	0.013	0.024
PCBs - Unfiltered									
PCB-1254	None	None							
PCB-1260	None	None							
Total PCBs	Not Applicable	0.005							
PCBs - Filtered									
PCB-1254	None	None	NA		NA	NA	NA	NA	NA
PCB-1260	None	None	NA		NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA		NA	NA	NA	NA	NA

Analyte	MCP GW-3	Method 3	ASW-5	ASW-5	ASW-5	ASW-5	ASW-5	ASW-5	ASW-5
Identification	Standard	UCL	6/21/99	12/13/99	5/31/00	12/26/00	6/20/01	12/11/01	6/12/02
Volatile Organics									
1,2 - Dichloroethene (total)	None	None	0.006						
Acetone	50	100							
Methylene chloride	50	100							
Trichloroethene	20	100	0.032	0.026	0.021	0.015	0.016	0.013	0.021
PCBs - Unfiltered									
PCB-1254	None	None							
PCB-1260	None	None							
Total PCBs	Not Applicable	0.005							
PCBs - Filtered									
PCB-1254	None	None	NA	NA	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA	NA	NA

# Table E-1 Summary Of Pittsfield Generating Company Groundwater Data

#### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

(Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 12/6/02	ASW-5 6/2/03	ASW-5 12/1/03	ASW-5 6/7/04	ASW-5 12/13/04	ASW-5 6/7/05	ASW-5 12/7/05
Volatile Organics									
1,2 - Dichloroethene (total)	None	None							
Acetone	50	100			0.017				
Methylene chloride	50	100							
Trichloroethene	20	100	0.012	0.022	0.016	0.019	0.017	0.018	0.018
PCBs - Unfiltered									
PCB-1254	None	None							
PCB-1260	None	None							
Total PCBs	Not Applicable	0.005							
PCBs - Filtered									
PCB-1254	None	None	NA	NA	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA	NA	NA

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/6/06	ASW-5 12/12/06	ASW-5 6/4/07	ASW-5 12/4/07	ASW-5 6/4/08
Volatile Organics							
1,2 - Dichloroethene (total)	None	None					NA
Acetone	50	100					
Methylene chloride	50	100					
Trichloroethene	20	100	0.014	0.012	0.0086	0.014	0.0097
PCBs - Unfiltered						-	
PCB-1254	None	None					
PCB-1260	None	None					
Total PCBs	Not Applicable	0.005					
PCBs - Filtered						-	
PCB-1254	None	None	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA

# Table E-1

Summary Of Pittsfield Generating Company Groundwater Data

#### Groundwater Quality Monitoring Interim Report for Spring 2008 Groundwater Management Area 4 General Electric Company - Pittsfield Massachusetts

### (Results in ppm)

Notes:

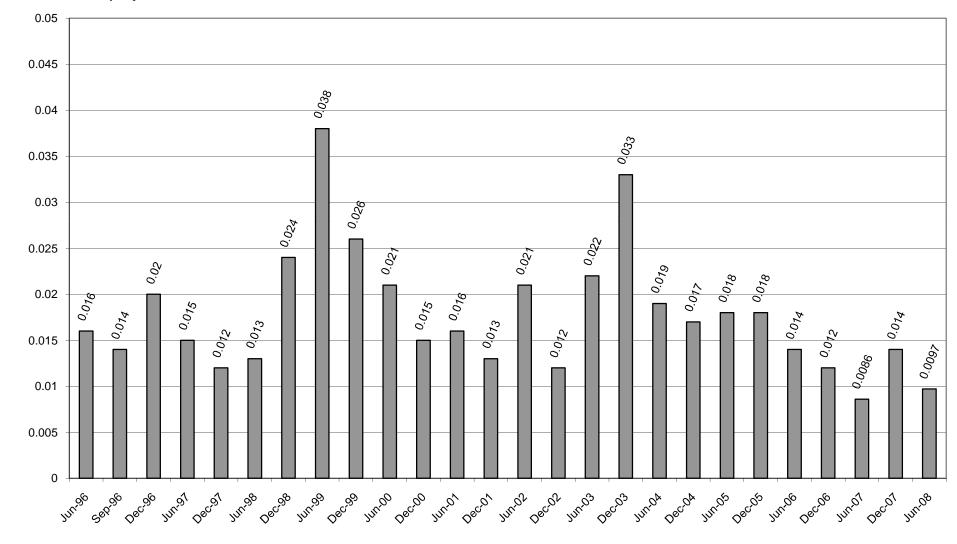
- 1. Only parameters detected in at least one sample are shown.
- 2. -- Compound was not detected.
- 3. J Indicates an estimated value less than the practical quantitation limit (PQL).
- 4. B Analyte was also detected in the associated blank.
- 5. \* Sample was collected by Blasland, Bouck, & Lee, Inc.
- 6. NA Not Analyzed

### Appendix E

VOC Concentrations (ppm)

Summary of Pittsfield Generating Company Groundwater Data Well ASW-5 Historical Total VOC Concentrations

#### Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts

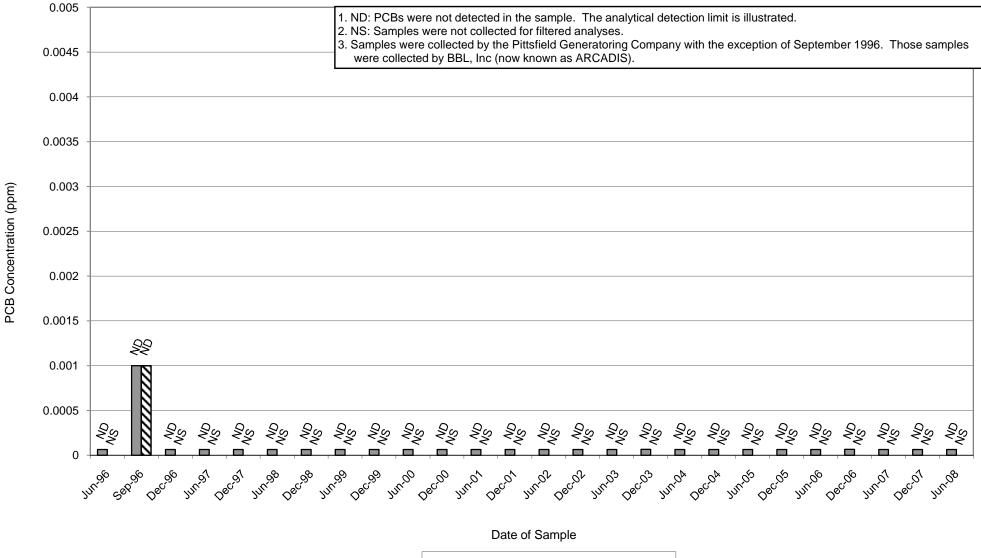


**Date of Sample** 

### Appendix E

# Summary of Pittsfield Generating Company Groundwater Data Well ASW-5 Historical Total PCB Concentrations

#### Groundwater Management Area 4 General Electric Company - Pittsfield, Massachusetts



■ PCBs (unfiltered) ■ PCBs (filtered)

# ARCADIS

Appendix F

Data Validation Report

### Appendix F Groundwater Sampling Data Validation Report Groundwater Management Area 4 – Spring 2008

General Electric Company Pittsfield, Massachusetts

## 1.0 General

This attachment summarizes the data validation review performed on behalf of the General Electric Company (GE) for groundwater samples collected in April 2008 as part of groundwater quality monitoring activities conducted at Groundwater Management Area 4, located within the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents - benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 12 PCB samples, 18 volatile organic compound (VOC) samples, 12 semi-volatile organic compound (SVOC) samples, 12 metal samples, 12 cyanide samples, 12 sulfide samples, and 12 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples.

## 2.0 Data Evaluation Procedures

This attachment outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (as submitted by GE on March 30, 2007 following approval by EPA on March 15, 2007);
- Region I Tiered Organic and Inorganic Data Validation Guidelines, USEPA Region I (July 1, 1993);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, USEPA Region I (June 13, 1988) (Modified February 1989);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region I (Draft, December 1996); and
- National Functional Guidelines for Dioxin/Furan Data Validation, USEPA (Draft, January 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table A-1. Each sample subject to evaluation is listed in Table A-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

- J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).
- U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

## 3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

	Tier I Only						
Parameter	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	Total
PCBs	0	0	0	10	1	1	12
VOCs	0	0	0	12	1	5	18
SVOCs	0	0	0	10	1	1	12
Metals	0	0	0	10	1	1	12
PCDDs/PCDFs	0	0	0	10	1	1	12
Sulfides	0	0	0	10	1	1	12
Cyanides	0	0	0	10	1	1	12
Total	0	0	0	72	7	11	90

Summary of Samples Subjected to Tier I and Tier II Data Validation

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

## 

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

The initial calibration criterion for organic analyses requires that the average relative response factor (RRF) has a value greater than 0.05. Sample results were qualified as estimated (J) when this criterion was not achieved. The compounds that did not achieve the initial calibration criterion and the number of samples qualified are presented in the following table.

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	18	J
	1,4-Dioxane	18	J
	2-Butanone	18	J
	2-Chloroethylvinylether	17	J
	Acetone	18	J
	Acetonitrile	18	J
	Acrolein	18	J
	Acrylonitrile	18	J
	Isobutanol	18	J

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs (continued)	Propionitrile	18	J
	trans-1,4-Dichloro-2-butene	18	J
SVOCs	1,3,5-Trinitrobenzene	11	J
	4-Nitroquinoline-1-oxide	11	J
	4-Phenylenediamine	12	J
	Hexachlorocyclopentadiene	12	J
	Hexachlorophene	12	J

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Several of the organic compounds (including the compounds presented in the above tables detailing RRF deviations) exhibit instrument response factors (RFs) below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion, which does not specify minimum RFs for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort to demonstrate acceptable response. USEPA Region I guidelines state that non-detect compound results associated with a RF less than the minimum value of 0.05 are to be rejected (R). However, in the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detect sample results were qualified as estimated (J).

The continuing calibration criterion requires that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	5	J
	2-Hexanone	17	J
	Acetone	11	J
	Acetonitrile	1	J
	Bromomethane	1	J
	Chloroethane	1	J
	Methylene Chloride	6	J
SVOCs	1,3,5-Trinitrobenzene	7	J
	1-Naphthylamine	12	J
	2-Naphthylamine	12	J
	4-Nitroquinoline-1-oxide	1	J
	4-Phenylenediamine	1	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Benzidine	11	J
(continued)	Hexachlorocyclopentadiene	4	J
	Methapyrilene	12	J

Compounds Qualified Due to Continuing Calibration of %D Values

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at lowlevel concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were outside these control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Beryllium	12	J
	Cadmium	12	J
	Chromium	1	J
	Cobalt	12	J
	Copper	12	J
	Nickel	11	J
	Selenium	1	J
	Silver	1	J
	Thallium	12	J
	Tin	12	J

Analytes Qualified Due to CRDL Standard Recovery Deviations

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC acceptance limits specified on the MS reporting form and inorganics MS/MSD recoveries must be within 75% to 125%. Organic and inorganic sample results associated with MS/MSD recoveries less than the specified control limit, but greater than 10% and 30%, respectively, were qualified as estimated (J) and sample results associated with MS/MSD recoveries less than 10% and 30%, respectively, were qualified as rejected (R). The compounds/analytes that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	Trichlorofluoromethane	1	J
	2-Chloroethylvinylether	1	R
Inorganics	Thallium	1	J
	Sulfide	4	J

Compounds/Analytes Qualified Due to MS/MSD Recovery Deviations

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample results that were below the blank action level were qualified with a "U." The compounds/analytes detected in method/analytical blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	Acetone	1	U
	Dibromochloromethane	1	U
	Methylene Chloride	1	U
Inorganics	Copper	11	U
	Lead	5	U
	Tin	1	U

**Compounds/Analytes Qualified Due to Blank Deviations** 

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analysis recovery criteria for organics must be within the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form and inorganics must be between 80% to 120%. Organic sample results associated with the LCS/LCSD that exceeded laboratory-generated QC acceptance limits were qualified as estimated (J). The compounds/analyte that did not meet LCS/LCSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	1,1,1-Trichloroethane	11	J
	1,1-Dichloroethane	11	J
	Bromodichloromethane	11	J
	Chloroethane	11	J
	cis-1,3-Dichloropropene	11	J
	Dibromomethane	11	J
	Methylene Chloride	5	J
	Toluene	11	J
	Trichloroethene	11	J
	Trichlorofluoromethane	11	J
	Vinyl Chloride	11	J
PCBs	All Aroclors	5	J
Inorganics	Sulfide	6	J

Compounds/Analyte Qualified Due to LCS/LCSD Recovery Deviations

LCS/LCSD sample analysis recovery criteria for organics require that the RPD between the LCS and LCSD recoveries be less than the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. The compounds that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	4	J

### Compounds Qualified Due to LCS/LCSD RPD Deviations

## 5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability											
Parameter	Percent Usability	Rejected Data									
VOCs	99.9	A total of one sample result was rejected due to MS/MSD recovery deviations.									
SVOCs	100	None									
PCBs	100	None									
PCDDs/PCDFs	100	None									
Metals	100	None									
Sulfides	100	None									
Cyanides	100	None									

The data package completeness, as determined from the Tier I data review, was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

## 5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 1.1% of the data required qualification due to LCS/LCSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations or MS/MSD RPD deviations.

## 5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 11.9% of the data required qualification due to instrument calibration deviations, 5.2% of the data required qualification due to MS/MSD recovery deviations, 0.40% of the data required qualification due to MS/MSD recovery deviations, and 2.9% of the data required qualification due to CRDL recovery deviations. None of the data required qualification due to surrogate compound recovery deviations or internal standard recovery deviations.

## 5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in the EPA-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with EPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical data set, none of the data required qualification due to holding time deviations.

## 5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the groundwater samples collected in April 2008 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 8290 for PCDDs/PCDFs, 6000/7000 for metals, 9030 for sulfides, and 9014 for cyanides.

## 5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 99.9% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs	oumpie ib	Date conceted	Matrix	Level	quanneation	Compound		Value	Control Emility	Qualified Result	10103
G135-647	78-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647 G135-647	GMA4-DUP#1 (Filtered) OPCA-MW-7 (Filtered)	4/21/2008 4/21/2008	Water Water	Tier II	No No						Duplicate of 78-6 (Filtered)
G135-648	78-1 (Filtered)	4/22/2008	Water	Tier II Tier II	No						
G135-648	OPCA-MW-4 (Filtered)	4/22/2008	Water	Tier II	No						
G135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1221 Aroclor-1232	LCS/LCSD RPD LCS/LCSD %R	39.4% 50.4%, 33.8%	<30% 70% to 130%	ND(0.000067) J ND(0.000067) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1248 Aroclor-1254	LCS/LCSD RPD LCS/LCSD %R	39.4% 50.4%, 33.8%	<30% 70% to 130%	ND(0.000067) J ND(0.000067) J	
						Aroclor-1254 Aroclor-1254	LCS/LCSD %R	39.4%	<30%	ND(0.000067) J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Total PCBs	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
G135-649	OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016 Aroclor-1016	LCS/LCSD %R LCS/LCSD RPD	50.4%, 33.8% 39.4%	70% to 130% <30%	ND(0.000066) J ND(0.000066) J	
						Aroclor-1221	LCS/LCSD KPD	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
					Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J		
				Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J			
						Aroclor-1242 Aroclor-1248	LCS/LCSD RPD LCS/LCSD %R	39.4% 50.4%, 33.8%	<30% 70% to 130%	ND(0.000066) J ND(0.000066) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1260 Total PCBs	LCS/LCSD RPD LCS/LCSD %R	39.4% 50.4%, 33.8%	<30% 70% to 130%	ND(0.000066) J ND(0.000066) J	
						Total PCBs	LCS/LCSD %R LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
G135-649	OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1232 Aroclor-1232	LCS/LCSD %R LCS/LCSD RPD	50.4%, 33.8% 39.4%	70% to 130% <30%	ND(0.000066) J ND(0.000066) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1254 Aroclor-1254	LCS/LCSD %R LCS/LCSD RPD	50.4%, 33.8% 39.4%	70% to 130% <30%	0.00017 J 0.00017 J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00017 J	
0.105.0.15	0001100/07/	1/00/0000				Total PCBs	LCS/LCSD RPD	39.4%	<30%	0.00017 J	
G135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R LCS/LCSD RPD	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1016 Aroclor-1221	LCS/LCSD RPD LCS/LCSD %R	<u>39.4%</u> 50.4%, 33.8%	<30% 70% to 130%	ND(0.000069) J ND(0.000069) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1242 Aroclor-1248	LCS/LCSD RPD LCS/LCSD %R	<u>39.4%</u> 50.4%, 33.8%	<30% 70% to 130%	ND(0.000069) J ND(0.000069) J	
						Aroclor-1248 Aroclor-1248	LCS/LCSD %R LCS/LCSD RPD	50.4%, 33.8%	70% to 130% <30%	ND(0.000069) J ND(0.000069) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00019 J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	0.00019 J	
1				1		Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	

Sample Delivery				Validation							
roup No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Bs (conti											
35-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1260 Total PCBs	LCS/LCSD RPD LCS/LCSD %R	39.4% 50.4%, 33.8%	<30% 70% to 130%	ND(0.000069) J 0.00019 J	
						Total PCBs	LCS/LCSD %R LCS/LCSD RPD	39.4%	<30%	0.00019 J	
35-652	OPCA-MW-5R (Filtered)	4/24/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
00 002		1/2 1/2000	mator		100	Aroclor-1221	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1232	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1242	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1248	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1254	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1260 Total PCBs	LCS/LCSD %R LCS/LCSD %R	51.7%, 42.6% 51.7%, 42.6%	70% to 130% 70% to 130%	ND(0.000068) J ND(0.000068) J	
35-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	No	Total PCBs	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
tals	GiviA4-RD-1 (Fillered)	4/23/2000	water	i lei li	110				1		
35-647	78-6 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank Method Blank	-	-	ND(0.0100)	
						Lead Nickel	CRDL Standard %R	- 63.8%	- 80% to 120%	ND(0.0100) ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00625 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
35-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
					Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J		
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel Thallium	CRDL Standard %R CRDL Standard %R	63.8% 202.0%	80% to 120% 80% to 120%	ND(0.0100) J ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
35-647	GMA4-DUP#1 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00454 J	Duplicate of 78-6 (Filtered)
			Water	i nem	Yes	Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium Tin	CRDL Standard %R CRDL Standard %R	202.0%	80% to 120% 80% to 120%	0.00832 J ND(0.0100) J	
						Tin	Method Blank	- 172.0%	80% to 120%	ND(0.0100) J ND(0.0100)	
35-647	OPCA-MW-7 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
		12112000	mator		100	Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel Thallium	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
							CRDL Standard %R CRDL Standard %R	202.0%	80% to 120% 80% to 120%	0.0148 J ND(0.0100) J	
35-648	78-1 (Filtered)	4/22/2008	Water	Tier II	Yes	Tin Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J ND(0.0100) J	
0-0-0		7/22/2000	water	i i ci i i	103	Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium Tin	CRDL Standard %R CRDL Standard %R	202.0%	80% to 120% 80% to 120%	ND(0.0100) J ND(0.0100) J	
5-648	OPCA-MW-4 (Filtered)	4/22/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R CRDL Standard %R	172.0%	80% to 120% 80% to 120%	ND(0.0100) J ND(0.0100) J	
0.040	(intered)	7/22/2000	water	i i ci i i	103	Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
	1					Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
							Method Blank	-	-	ND(0.0100)	
						Lead					
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Nickel Thallium	CRDL Standard %R CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J 0.00936 J	
35-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Nickel	CRDL Standard %R			ND(0.0100) J	

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
etals (cont											
135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Cobalt Copper	CRDL Standard %R CRDL Standard %R	55.9% 143.0%	80% to 120% 80% to 120%	ND(0.0100) J ND(0.0100) J	
						Copper	Method Blank	-		ND(0.0100) J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
135-649	OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium Cadmium	CRDL Standard %R CRDL Standard %R	132.0%	80% to 120% 80% to 120%	0.00548 J ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.00500) J ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00638 J	
405.040		4/00/0000	Mater	<b>T</b> 1 U	No.	Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
135-649	OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium Cadmium	CRDL Standard %R CRDL Standard %R	132.0%	80% to 120% 80% to 120%	ND(0.0100) J ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.00300) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00656 J	
135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Tin Beryllium	CRDL Standard %R CRDL Standard %R	172.0% 132.0%	80% to 120% 80% to 120%	ND(0.0100) J 0.00141 J	
133-049	OPCA-WW-8 (Filleled)	4/23/2006	water	THEFT	Tes	Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium Tin	CRDL Standard %R CRDL Standard %R	202.0%	80% to 120% 80% to 120%	0.00674 J ND(0.0100) J	
135-652	OPCA-MW-5R (Filtered)	4/24/2008	Water	Water Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00251 J	
100 002		12 11 2000	(Tato)			Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead Nickel	Method Blank CRDL Standard %R	- 63.8%	- 80% to 120%	ND(0.0100) ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
135-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	40.6%	80% to 120%	0.00161 J	
						Cadmium	CRDL Standard %R	174.0%	80% to 120%	0.00320 J	
						Chromium	CRDL Standard %R	140.0%	80% to 120%	0.00479 J	
						Cobalt	CRDL Standard %R CRDL Standard %R	76.6%	80% to 120%	ND(0.0100) J	
						Copper Selenium	CRDL Standard %R CRDL Standard %R	174.0%	80% to 120% 80% to 120%	0.00651 J ND(0.0200) J	
						Silver	CRDL Standard %R	124.0%	80% to 120%	0.000870 J	
						Thallium	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Thallium	MS/MSD %R	70.3%, 70.8%	75% to 125%	ND(0.0100) J	
						Tin	CRDL Standard %R	163.0%	80% to 120%	ND(0.0100) J	
OCs	70.0	4/04/00000					1.000 M D	70.10/	70.00/		1
135-647	78-6	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane 1,1-Dichloroethane	LCSD %R LCSD %R	76.4%	78.8% to 120% 78.0% to 120%	ND(0.0010) J ND(0.0010) J	
						1,1-Dichloroethane 1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0010) J ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.0050) J ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D ICAL RRF	31.8%	<25%	ND(0.0050) J	
						Acetonitrile Acrolein	ICAL RRF	0.007	>0.05	ND(0.020) J ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
	1	1		1	1	Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	

Sample Delivery				Validation							
roup No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cs (conti 35-647	inued) 78-6	4/21/2008	Water	Tier II	Yes	cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
33-047	70-0	4/21/2000	water	TIEL II	165	Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF LCSD %R	0.020	>0.05	ND(0.0050) J	
						Trichloroethene Trichlorofluoromethane	LCSD %R LCSD %R	75.8%	80.1% to 116% 80.5% to 130%	ND(0.0010) J ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
35-647	GMA4-6	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether 2-Hexanone	ICAL RRF CCAL %D	0.018	>0.05	ND(0.013) J ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
					Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J		
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
			cis-1,3-Dichloropropene Dibromomethane	LCSD %R LCSD %R	77.2%	79.8% to 113% 77.3% to 124%	ND(0.0010) J ND(0.0010) J				
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	Method Blank	0.003		ND(0.0050)	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
35-647	GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	Vinyl Chloride 1,1,1-Trichloroethane	LCSD %R LCSD %R	72.8%	77.5% to 126% 78.8% to 120%	ND(0.0010) J ND(0.0010) J	Duplicate of 78-6
55-647	GWA4-DOP#1	4/21/2000	water	TIEL II	res	1.1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	Duplicate of 78-8
						1.2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF CCAL %D	0.022 31.8%	>0.05 <25%	ND(0.0050) J	
						Acetone Acetonitrile	ICAL RRF	0.007	<25%	ND(0.0050) J ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.020) J ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF ICAL RRF	0.003	>0.05	ND(0.050) J ND(0.020) J	
						Propionitrile Toluene	LCSD %R	76.2%	>0.05 78.6% to 117%	ND(0.020) J ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
				1	1	Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
5-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF ICAL RRF	0.013	>0.05	ND(0.0050) J ND(0.10) J	
						1,4-Dioxane 2-Butanone	ICAL RRF	0.001	>0.05	ND(0.10) J ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.039	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
	1				1	Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cs (conti											
35-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane cis-1.3-Dichloropropene	LCSD %R LCSD %R	77.2%	78.2% to 138% 79.8% to 113%	ND(0.0010) J ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene Trichlorofluoromethane	LCSD %R LCSD %R	75.8%	80.1% to 116% 80.5% to 130%	ND(0.0010) J ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
35-647	TripBlank	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether 2-Hexanone	ICAL RRF CCAL %D	0.018 38.9%	>0.05 <25%	ND(0.013) J ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	0.0020 J	
						Acetone	CCAL %D	31.8%	<25%	0.0020 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane cis-1,3-Dichloropropene	LCSD %R LCSD %R	77.2%	78.2% to 138% 79.8% to 113%	ND(0.0010) J ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	79.8% to 113%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane Vinyl Chloride	LCSD %R LCSD %R	74.4%	80.5% to 130% 77.5% to 126%	ND(0.0010) J ND(0.0010) J	
35-648	78-1	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
55-040	101	4/22/2000	Water	norm	103	1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						2-Hexanone Acetone	CCAL %D ICAL RRF	38.9%	<25% >0.05	ND(0.0050) J ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene Dibromomethane	LCSD %R LCSD %R	77.2% 76.8%	79.8% to 113% 77.3% to 124%	ND(0.0010) J ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.003	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Trichlorofluoromethane Vinyl Chloride	MS %R LCSD %R	71.2% 72.8%	76.8% to 132%	ND(0.0010) J ND(0.0010) J	
5-648	H78B-16	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R LCSD %R	72.8%	77.5% to 126% 78.8% to 120%	0.00077 J	
0-0-0		7/22/2000	water		103	1,1,1,1-Thchloroethane	LCSD %R	76.6%	78.0% to 120%	0.00077 J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
				1		2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
OCs (cont											
135-648	H78B-16	4/22/2008	Water	Tier II	Yes	2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF CCAL %D	0.022 31.8%	>0.05 <25%	ND(0.0050) J ND(0.0050) J	
						Acetone Acetonitrile	ICAL RRF	0.007	<25%	ND(0.0050) J ND(0.020) J	
						Acrolein	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene Dibromomethane	LCSD %R LCSD %R	77.2% 76.8%	79.8% to 113% 77.3% to 124%	ND(0.0010) J ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	0.038 J	
						Trichlorofluoromethane Vinyl Chloride	LCSD %R LCSD %R	74.4%	80.5% to 130% 77.5% to 126%	0.00062 J 0.00075 J	
35-648	H78B-17R	4/22/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.024	>0.05	ND(0.10) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(2.0) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.25) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.10) J	
						Acetonitrile	ICAL RRF CCAL %D	0.010	>0.05	ND(0.40) J ND(0.40) J	
						Acrolein	ICAL RRF	0.020	>0.05	ND(0.50) J	
						Acrylonitrile	ICAL RRF	0.034	>0.05	ND(0.50) J	
						Bromomethane	CCAL %D	46.3%	<25%	ND(0.020) J	
						Chloroethane	CCAL %D	59.4%	<25%	ND(0.020) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(1.0) J	
					Propionitrile trans-1,4-Dichloro-2-butene	ICAL RRF ICAL RRF	0.012	>0.05	ND(0.40) J		
35-648	48 OPCA-MW-4 4/22/2008 Water	Wator	Water Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	>0.05 78.8% to 120%	ND(0.10) J ND(0.0010) J		
33-040	OF CA-IVIV-4	4/22/2000	Water	i iei ii	Yes	1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF CCAL %D	0.018 38.9%	>0.05	ND(0.013) J	
						2-Hexanone Acetone	ICAL RRF	0.022	<25%	ND(0.0050) J ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
				1		Chloroethane cis-1,3-Dichloropropene	LCSD %R LCSD %R	77.2%	78.2% to 138% 79.8% to 113%	ND(0.0010) J ND(0.0010) J	
				1		Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
				1		Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
				1		Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
				1		Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene Trichloroethene	ICAL RRF LCSD %R	0.020 75.8%	>0.05 80.1% to 116%	ND(0.0050) J 0.0014 J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
	1			1		Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	0.00032 J	
35-648	Trip Blank	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
				1		1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
	1			1		1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
				1		1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
				1		2-Butanone 2-Chloroethylvinylether	ICAL RRF ICAL RRF	0.039	>0.05	ND(0.0050) J ND(0.013) J	
	1			1		2-Chioroethylvinylether 2-Hexanone	CCAL %D	38.9%	<25%	ND(0.013) J ND(0.0050) J	
				1		Acetone	ICAL RRF	0.022	>0.05	0.0020 J	
				1		Acetone	CCAL %D	31.8%	<25%	0.0020 J	
				1		Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
	1			1	1	Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
DCs (conti		Date Conected	WIGUIX	Level	Quanneation	Compound	QA/QC Farameter	value	Control Linits	Qualified Result	Notes
	Trip Blank	4/22/2008	Water	Tier II	Yes	Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R ICAL RRF	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol Propionitrile	ICAL RRF	0.003	>0.05	ND(0.050) J ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
35-649	H78B-15	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane 1,4-Dioxane	ICAL RRF ICAL RRF	0.012	>0.05	ND(0.0050) J	
						2-Butanone	ICAL RRF	0.001	>0.05	ND(0.10) J ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein Acrylonitrile	ICAL RRF ICAL RRF	0.015	>0.05	ND(0.025) J ND(0.025) J	
					Isobutanol	ICAL RRF	0.027	>0.05	ND(0.025) J ND(0.050) J		
					Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J		
				Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J			
				Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J			
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
35-649	15-649 OPCA-MW-3	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone 2-Chloroethylvinylether	ICAL RRF ICAL RRF	0.033	>0.05	ND(0.0050) J ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol Methylene Chloride	ICAL RRF CCAL %D	0.003 45.3%	>0.05 <25%	ND(0.050) J ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
35-649	OPCA-MW-6	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether 2-Chloroethylvinylether	ICAL RRF CCAL %D	0.014 35.7%	>0.05 <25%	ND(0.013) J ND(0.013) J	
						2-Chioroethylvinylether 2-Hexanone	CCAL %D	27.5%	<25%	ND(0.013) J ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0015 J	
						Acetone	Trip Blank	-	-	0.0015 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
	1				1	Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
	1				1	Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol Methylene Chloride	ICAL RRF CCAL %D	0.003 45.3%	>0.05 <25%	ND(0.050) J	
						Methylene Chloride Methylene Chloride	LCS/LCSD %R	45.3%	<25% 72.9% to 120%	ND(0.0050) J ND(0.0050) J	
	1				1	Propionitrile	ICAL RRF	0.009	>0.05	ND(0.0030) J ND(0.020) J	
	1				1	trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
35-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
	1				1	2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
	1				1	2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D ICAL RRF	27.5%	<25%	ND(0.0050) J ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J ND(0.020) J	

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
OCs (conti		Date contenda	maan	20101	quantouton	oompound		Valuo	Control Ennito	qualified Hoodil	
9135-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol Methylene Chloride	ICAL RRF CCAL %D	0.003 45.3%	>0.05 <25%	ND(0.050) J ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	<25% 72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
6135-649	TripBlank	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane 2-Butanone	ICAL RRF	0.001	>0.05	ND(0.10) J ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0054 J ND(0.020) J	
						Acetonitrile Acrolein	ICAL RRF ICAL RRF	0.006	>0.05	ND(0.020) J ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile trans-1,4-Dichloro-2-butene	ICAL RRF ICAL RRF	0.009	>0.05	ND(0.020) J ND(0.0050) J	
3135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	1.1.1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
000 002		12 1/2000	Trato.			1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether 2-Hexanone	CCAL %D	0.018 38.9%	>0.05 <25%	ND(0.013) J ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile Bromodichloromethane	ICAL RRF LCSD %R	0.032	>0.05 76.4% to 117%	ND(0.025) J ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile Toluene	ICAL RRF LCSD %R	0.011 76.2%	>0.05 78.6% to 117%	ND(0.020) J ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
1405 050	Tria Dia ali	4/0.4/00000	14/	Tirell	No.	Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	0.0012 J	
9135-652	TripBlank	4/24/2008	Water	Tier II	Yes	1,1,1-Trichloroethane 1,1-Dichloroethane	LCSD %R LCSD %R	76.4%	78.8% to 120% 78.0% to 120%	ND(0.0010) J ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
	1					2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF CCAL %D	0.018 38.9%	>0.05 <25%	ND(0.013) J	
	1					2-Hexanone Acetone	ICAL %D	38.9%	<25% >0.05	ND(0.0050) J ND(0.0050) J	
				1		Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
	1					Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
				1		Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
				1		Bromodichloromethane Chloroethane	LCSD %R LCSD %R	76.2%	76.4% to 117% 78.2% to 138%	ND(0.0010) J ND(0.0010) J	
				1		cis-1,3-Dichloropropene	LCSD %R LCSD %R	77.2%	79.8% to 138%	ND(0.0010) J	
	1					Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
				1		Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
				1		Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
	1					Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
		1	1	trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J ND(0.0010) J			

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cs (conti		Date Collected	INIGU IA	Level	Qualification	Compound	QA/QC Farameter	Value	Control Linits	Qualified Result	NOLES
35-652	TripBlank	4/24/2008	Water	Tier II	Yes	Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
	-					Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
35-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone 2-Chloroethylvinylether	ICAL RRF ICAL RRF	0.033	>0.05	ND(0.0050) J ND(0.013) J	
						2-Hexanone	CCAL %D	28.2%	<25%	ND(0.013) J ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0059 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Propionitrile trans-1,4-Dichloro-2-butene	ICAL RRF ICAL RRF	0.009	>0.05	ND(0.020) J ND(0.0050) J	
/OCs						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
135-647	78-6	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
00-047		7/21/2000	water	i ici ii	103	1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	1
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	26.8%	<25%	ND(0.010) J	
						Hexachlorophene Methapyrilene	ICAL RRF CCAL %D	0.021 100.0%	>0.05 <25%	ND(0.0051) J ND(0.0051) J	
35-647	GMA4-6	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
00-047	GMATE	4/21/2000	water	TICI II	103	1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D ICAL RRF	26.8% 0.021	<25%	ND(0.010) J	
						Hexachlorophene Methapyrilene	CCAL %D	100.0%	>0.05 <25%	ND(0.0052) J ND(0.0052) J	
35-647	GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	Duplicate of 78-6
		1/2 1/2000	Wator		100	1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	Bapiloalo ol 10 0
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene Hexachlorophene	CCAL %D ICAL RRF	26.8% 0.021	<25% >0.05	ND(0.010) J ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J ND(0.0052) J	1
35-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	1
						1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
				1	1	2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
				1	1	Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF CCAL %D	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene Hexachlorophene	ICAL RRF	26.8% 0.021	<25% >0.05	ND(0.010) J ND(0.0052) J	
				1	1	Methapyrilene	CCAL %D	100.0%	>0.05 <25%	ND(0.0052) J ND(0.0052) J	1
35-648	78-1	4/22/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.042	>0.05	ND(0.0052) J	1
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
				1	1	2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
	1			1		Hexachlorocyclopentadiene Hexachlorophene	ICAL RRF ICAL RRF	0.048	>0.05	ND(0.010) J ND(0.0052) J	

Sample											
Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (con		Date concord	Matrix	2010.	quamouton	Compound		Value	Conta or Ennito	qualified Robalt	
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.042	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine 4-Nitroguinoline-1-oxide	CCAL %D ICAL RRF	39.4%	<25% >0.05	ND(0.026) J ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
3135-649	H78B-15	4/23/2008	Water	Tier II	Yes	Methapyrilene 1,3,5-Trinitrobenzene	CCAL %D ICAL RRF	100.0%	<25% >0.05	ND(0.0052) J ND(0.026) J	
5150-049	H/0B-15	4/23/2006	water	TIEL II	res	1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine Hexachlorocyclopentadiene	CCAL %D ICAL RRF	29.9% 0.048	<25% >0.05	ND(0.010) J ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide 4-Phenylenediamine	ICAL RRF ICAL RRF	0.043	>0.05	ND(0.026) J ND(0.011) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.011) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.011) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0053) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0053) J	
6135-649	OPCA-MW-6	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D CCAL %D	29.7% 48.8%	<25% <25%	ND(0.026) J	
						1-Naphthylamine 2-Naphthylamine	CCAL %D CCAL %D	48.8%	<25%	ND(0.026) J ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	Methapyrilene 1,3,5-Trinitrobenzene	CCAL %D ICAL RRF	100.0%	<25% >0.05	ND(0.0051) J ND(0.025) J	
5150-049	OPCA-IVIVV-8	4/23/2006	water	THEFT IT	res	1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.025) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.025) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
				1		Hexachlorocyclopentadiene Hexachlorophene	ICAL RRF ICAL RRF	0.048 0.021	>0.05	ND(0.010) J ND(0.0051) J	
				1		Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
3135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.025) J	
				1		1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.025) J	
				1		1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.025) J	
				1		2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.025) J	
				1		4-Nitroquinoline-1-oxide 4-Phenylenediamine	ICAL RRF ICAL RRF	0.043 0.023	>0.05	ND(0.025) J ND(0.010) J	
				1		Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
				1		Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
				1		Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
6135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	65.2%	<25%	ND(0.025) J	
				1		2-Naphthylamine	CCAL %D CCAL %D	69.8%	<25%	ND(0.025) J	
				1		4-Nitroquinoline-1-oxide 4-Phenylenediamine	ICAL %D	32.4%	<25% >0.05	ND(0.025) J ND(0.010) J	
				1		4-Phenylenediamine	CCAL %D	73.4%	<25%	ND(0.010) J	
				1	1	Hexachlorocyclopentadiene	ICAL RRF	0.018	>0.05	ND(0.010) J	

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (cor	tinued)					•					•
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	Hexachlorophene	ICAL RRF	0.019	>0.05	ND(0.0050) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0050) J	
PCDDs/PCD											
G135-647	78-6	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6	4/21/2008	Water	Tier II	No						
G135-647	GMA4-DUP#1	4/21/2008	Water	Tier II	No						Duplicate of 78-6
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	No						
G135-648	78-1	4/22/2008	Water	Tier II	No						
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	No						
G135-649	H78B-15	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-6	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	No						
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	No						
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	No						
Cyanide-MA	(					1		I		1	
G135-647	78-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	No						D
G135-647	GMA4-DUP#1 (Filtered)	4/21/2008	Water	Tier II	No						Duplicate of 78-6 (Filtered)
G135-647	OPCA-MW-7 (Filtered)	4/21/2008	Water	Tier II	No						
G135-648	78-1 (Filtered)	4/22/2008 4/22/2008	Water	Tier II	No						
G135-648	OPCA-MW-4 (Filtered)		Water	Tier II	No						
G135-649	H78B-15 (Filtered) OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	No						
G135-649 G135-649	OPCA-MW-3 (Filtered) OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	No						
G135-649 G135-649	OPCA-MW-6 (Filtered) OPCA-MW-8 (Filtered)	4/23/2008 4/23/2008	Water Water	Tier II Tier II	No No						
G135-649 G135-652	OPCA-MW-8 (Filtered) OPCA-MW-5R (Filtered)	4/23/2008	Water	Tier II	No						
3135-652 3135-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	NO						
Sulfide	GWA4-RB-T (Fillered)	4/29/2006	Water	TIELTI	INU						
G135-647	78-6	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	ND(1.00) J	
G135-647 G135-647	78-6 GMA4-6	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R LCS %R	75.0%	80% to 120%	1.00 J	
G135-647 G135-647	GMA4-6 GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	ND(1.00 J	Duplicate of 78-6
G135-647 G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R LCS %R	75.0%	80% to 120%	1.00 J	Dupilcale UI 10-0
G135-647 G135-648	78-1	4/22/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.10 J	
0100-040	70-1	4/22/2000	water	nel II	res	Sulfide	MS/MSD %R	40.0%, 36.0%	75% to 125%	1.10 J	
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.00 J	
0100-040	0107/1014	4/22/2000	Water	TICI II	100	Sulfide	MS/MSD %R	40.0%, 36.0%	75% to 125%	1.00 J	1
G135-649	H78B-15	4/23/2008	Water	Tier II	No	Sumue		40.0%, 30.0%	13/01012370	1.00 J	
G135-649 G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	No				+		
G135-649 G135-649	OPCA-MW-5 OPCA-MW-6	4/23/2008	Water	Tier II	No	1			+		1
G135-649 G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	No				+		
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	Sulfide	MS %R	51.0%	75% to 125%	ND(1.00) J	
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	Sulfide	MS %R	58.0%	75% to 125%	1.30 J	
6135-654	GMA4-KB-1	4/29/2008	water	lier II	Yes	Suinde	NIS %K	58.0%	75% to 125%	1.30 J	I

## ARCADIS

## Appendix G

Soil Boring Logs/ Well Installation Logs

Dril Dril Dril San	ling C ler's l ling M npling	Compa Name: Netho	sh: 7/ any: F : Jim d: HS nod: 2	Parratt L. A				Northing: 535367.6 Easting: 135561.1 Casing Elevation: 1016.46 Borehole Depth: 29' bls Surface Elevation: 1016.63 Descriptions By: DAZ	Client: G	ing ID: OPCA General Electric ( : OPCA GMA-4				
DЕРТН	ELEVATION Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Geologic Column Geologic Column										Well/Boring Construction			
-	- - -									- Internet				
-	-						White fine SA	ite fine to coarse SAND, snd fine sub-angular GF ND, loose, non-plastic ND and SILT, trace coarse angular Sand and co			Concrete Surface Pad. Filpro Type #1 Silica Sand (0.3- 2.5' bls.)			
- 5	-5 <del>-</del> -	1	5-7	20"	0.0			Clay from 4.7-4.9' bgs. ILTY Sand, m. to (+)f. sand, sub angular-sub. rou BBLE	unded, med. Dense, mois		90/10% Portland/Bentonite Slurry Grout			
- 10	-10 -	2	10-12	23"	0.0			race fine Sand and Clay, moderately loose	Dense, moist		2-in ID Schedule 40 PVC Riser (0.3'-18.0' bls.)			
- 15	- - 15 -	3	15-17	2	0.0		Light gray CO Light brown fir Brown fine SA Brown fine SA	ace fine Sand and Clay, trace fine to coarse Gra BBLE. ND, loose ND, little fine to coarse Gravel, trace Silt and Cla ND, little Silt, trace medium to coarse Sand and S wwn SILT, trace (+)C. Sands to F. Gravels, med. I	y, moderately loose Silt, moderately loose		Hydrated Bentonite Chips (12-14' bls.) Filpro Type #00 Silica Sand (14-			
	Infr	00201	ARC ure, en 37.0.2		ent, fa	Templat	e:G:\Div 11\l	arks: 4 1/4" ID Augers blsBelow Land Surface alsAbove Land Surface Previously logged description Rockware\LogPlot 2001\LogFiles\2018 an Zuck			16' bls.) IW-1R Page: 1 of 2			

Date: 8/25/2008 Dan Zuck

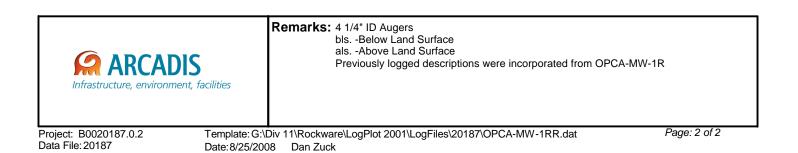
### Well/Boring ID: OPCA-MW-1RR

Borehole Depth: 29' bls

### Site Location:

OPCA GMA-4, Pittsfield, Mass.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
-	-						Brown fine SAND, little Silt, trace medium to coarse Sand and Silt, moderately loose No Recovery.	Filpro Type #1 Silica Sand (16- 28.35' bls.)
- 20 - -	-20 -	4	20-22	17"	0.0		Med. Brown, vf. to (+)f. SAND, med. Dense, Moist - slightly Wet. Multi-color fine to coarse SAND, loose	
- 25	-25 -	5	23-25 25-27	2	0.0		Med. Brown, VF. to (+) F. SAND, Med Dense, trace Silts (0-16") And Silts (16-24"), wet Med. Brown (+)vf. to f. sandy SILT, med. Dense, wet	2-in ID Schedule 40 PVC 0.010" Slotted Screen (18.0-28.0' bls.)
-	_	7	27-29	2	0.0	(1:1:1)	Med-Dark Drown, (~30%)-Silt and SAND, varved layering, Med. Dense, wet Dark Brown-med gray, clayey SILT, Few F. Sands, Dense, moist	Filpro Type #1
- 30	-30 -					-		(28.3-29' bgs)



Date Start/Finish: 7/8/08-7/9/08 Drilling Company: Parratt Wolff Driller's Name: Jim L. Drilling Method: HSA Sampling Method: 2" x 2' SS Rig Type: HSA								Northing: 535176.60 Easting: 135892.100 Casing Elevation: 1 Borehole Depth: 29 Surface Elevation: Descriptions By: D	00 1018.84 9' bgs 1016.80	Well/Boring ID: OPCA-MW-2R Client: General Electric Company Location: OPCA GMA-4, Pittsfield, Mass.			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphi	Well/Boring Construction				
-	- 1020 -	-											4" ID Steel Stick up w/ 2-in ID Schedule 40 PVC Riser (2.25' to 0' als.)
-	_					-							Concrete pad (0-1' bls.) Filpro Type #1 Silica Sand (0.0- 2.0' bls.)
- - -5	- 1015 - -	. 1	5-7	2	0.0		DARK Brown,	Sandy SILT, Trace (+)fine gr	ravel to course sand, sub angu	ular-sub.	-	-	Hydrated Bentonite Chips (2-6.2 bls.)
-	-								gular sand, some fine sand, tra	ace course	-		Filpro Type #00 Silica Sand (6.2- 8 bls.) 2-in ID Schedule
- 10	1010 -	2	10-12	2	0.0	T	Med Brown S	Silty SAND. Very Fine sub-and	gular sand, some fine sand, tra	ace course	_		40 PVC casing (0 to 10' bls.)
-	_					H H H H H H H H H H H H H H H H H H H	sand to fine gr	avel, loose, wet	ine sub-angular sand, loose to				Filpro Type #1 Silica Sand (8-
-	- 1005 -					-	moist						25.3' bls.) 2-in ID Schedule 40 PVC 0.010" Slotted Screen (10.0-25.0' bls.)
- 15	-	3	15-17	21"	0.0			ND. Very Fine to (+)Fine sub-r			-		
		002018	ure, en		ent, fa	Templat			nd Surface Ind Surface	A-MW-2R.dat			Page: 1 of 2

Date: 8/25/2008 Dan Zuck

### Well/Boring ID: OPCA-MW-2R

Borehole Depth: 29' bgs

### Site Location:

OPCA GMA-4, Pittsfield, Mass.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction					
-	- - 1000 -						Lt. Brown, SAND, Very Fine to (+)Fine sub-angular sand, loose, moist						
- 20	-	4	20-22	22"	0.0		Med. Brown to Dark brown, trace sub-angular coarse gravel, med. dense, Moist - Wet.	2-in ID Schedule 40 PVC 0.010" Slotted Screen (10.0-25.0' bls.)					
-	- 995 -					-		Filpro Type #1 Silica Sand (8- 25.3' bls.)					
- 25	-	5	25-27	2	0.0		Lt. to Med. Gray w/ tints of Brown, clayey SILT, slight plasticity, dense, moist	Bottom well cap (25-25.3 bls.)					
-	- 990	6	27-29	14"	0.0		Lt. to Med. Gray w/ tints of Brown, clayey SILT, slight plasticity, dense, moist	Filpro Type #1 Silica Sand (25.3-29' bls.)					
- 30	_					-							

