



*Hudson Valley Research Park
2070 Route 52
Hopewell Junction, NY 12533-3507
S. C. Hawkins, Z/325*

May 29, 2013

Director, Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Subject: 2012 Annual Corrective Action Status Report

Reference: IBM East Fishkill Corrective Action Program
IBM East Fishkill Facility
Hopewell Junction, New York
NYSDEC Part 373 Permit 3-1323-0025/00249
EPA ID No. NYD000707901

Dear Director, Remedial Bureau C:

In accordance with the provisions of the Module IX – General Ground Water Monitoring Conditions, Section H of the referenced permit, enclosed please find the following document for your review:

*2012 Annual Corrective Action Status Report
IBM Corporation
East Fishkill Facility
Hopewell Junction, New York
May 29, 2013*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

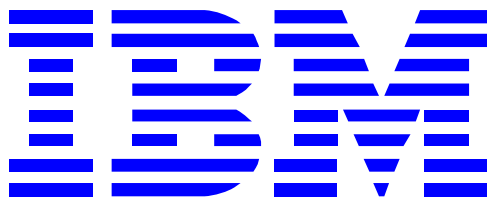
Please contact Jackie Braungart at (845)892-1672 or braungar@us.ibm.com if you have any questions or require further information.

Sincerely,
International Business Machines Corporation



Steven C. Hawkins, Manager
Environmental Engineering

- c: A. Czuhanych, NYSDEC (with enclosure and electronic copy)
NYSDEC Region 3, Regional Remediation Engineer (electronic copy)
NYSDEC, Supervisor RCRA Permitting Section (electronic copy)
USEPA Region 2, Chief RCRA Programs Branch (electronic copy)
H. Wilkie, NYSDEC (electronic copy)



East Fishkill, New York

2012 Annual Corrective Action Status Report

Prepared for:

**IBM Corporation
Hopewell Junction, New York**

May 29, 2013

Prepared by:

**IBM Environmental Engineering
Hudson Valley Research Park
Hopewell Junction, New York 12533**

Groundwater Sciences Corporation

**2601 Market Place Street, Suite 310
Harrisburg, PA 17110**

**560 Route 52, Suite 202
Beacon, NY 12508**

**1108 Vestal Parkway East, Suite 2
Vestal, NY 13850**

Table of Contents

1	INTRODUCTION	1
1.1	Purpose.....	3
1.2	Scope.....	3
2	HYDROGEOLOGY	5
2.1	Quarterly Water Levels.....	5
2.2	Soil Groundwater Elevations	5
2.2.1	Stratigraphic Controls on Groundwater Flow	6
2.2.1.1	Area A.....	6
2.2.1.2	B/322 AOC	7
2.2.1.3	B/330, Area C (Landfill), and SEQ	8
2.2.1.4	Area D.....	8
2.2.1.5	Former West Complex.....	8
2.2.2	Gradients and Groundwater Flow Velocities.....	9
2.3	Bedrock Groundwater Elevations.....	9
2.3.1	Potentiometric Head Distribution	9
2.3.2	Gradients and Structural Controls on Groundwater Flow	11
2.3.3	Hydraulic Containment.....	12
3	GROUNDWATER CHEMISTRY	15
3.1	Sampling.....	15
3.1.1	First Quarter 2012 Sampling.....	16
3.1.2	Second Quarter 2012 Sampling	16
3.1.3	Third Quarter 2012 Sampling	16
3.1.4	Fourth Quarter 2012 Sampling	16
3.2	Chemistry Results	17
3.2.1	Groundwater Chemistry Results	17
3.2.1.1	Groundwater Chemistry Maps.....	19
3.2.1.1.1	VOC Plumes in Soil and Shallow Bedrock Groundwater	19
3.2.1.1.2	VOC Plumes in Deep Bedrock Groundwater	22
3.2.1.2	Chemistry Graphs	23
3.2.1.2.1	Contaminant Reduction Monitoring Wells	24
3.2.1.2.2	Point-of-Compliance Wells.....	26
3.2.1.3	Changes in Water Quality at Corrective Action Monitoring Wells.....	26
3.2.2	Quality Assurance/Quality Control Results.....	29
4	CORRECTIVE MEASURES	31
4.1	Program Activities	31
4.1.1	Groundwater Pumping and Collection Operations	31
4.1.2	Contaminant Removal	32
4.1.3	Groundwater Treatment System Operations.....	34
4.1.3.1	Area A.....	34

4.1.3.2	Area B	34
4.1.3.3	Area D	34
4.1.3.4	B/322 AOC	35
4.1.3.5	Central Carbon System, PW-2, and PW-25	35
4.1.4	Groundwater Treatment System and Production Well Maintenance	36
4.2	Other Activities and Issues	36
4.2.1	Groundwater Well Installation and Maintenance Activities Performed in 2012	37
4.2.2	Production Well Rebalancing	37
4.2.3	B/330D IW and Sanitary Line Investigation	38
4.2.4	VOC Source Assessment RCRA Facility Investigation (RFI)	38
4.2.5	GW-032A Replacement Project	39
4.2.6	Chloroform Detections in Groundwater	40
4.2.7	Well Installation and Maintenance Activities Planned for 2013	41
4.3	Evaluation of Progress	42

Table of Tables

Table 3-1	Maximum Groundwater Concentrations
Table 3-2	Statistical Trends in Contaminant Reduction Wells
Table 3-3	Statistical Trends in Point-of-Compliance Wells
Table 3-4	Statistical Evaluation of Changes in Water Quality
Table 4-1	Pumping Volumes by Well/Remediation Area
Table 4-2	Contaminant Recovery Levels – Shallow
Table 4-3	Contaminant Recovery Levels – Deep
Table 4-4	2012 Chloroform Detections in Groundwater

Table of Figures

Figure 1-1	Site Location Map
Figure 2-1	Shallow Bedrock Potentiometric Contours, August 30-31, 2012
Figure 2-2	Soil Groundwater Table, Area D, November 30 – December 4, 2012
Figure 3-1	Graph of VOC Concentration versus Time, Well 010
Figure 3-2	Graph of VOC Concentration versus Time, Well 016
Figure 3-3	Graph of VOC Concentration versus Time, Well 032/032A/032B
Figure 3-4	Graph of VOC Concentration versus Time, Well 103
Figure 3-5	Graph of VOC Concentration versus Time, Well 104
Figure 3-6	Graph of VOC Concentration versus Time, Well 105
Figure 3-7	Graph of VOC Concentration versus Time, Well 612
Figure 3-8	Graph of VOC Concentration versus Time, Well 613
Figure 3-9	Graph of VOC Concentration versus Time, Well 617

Figure 3-10	Graph of VOC Concentration versus Time, Well 618
Figure 3-11	Graph of VOC Concentration versus Time, Well 714
Figure 3-12	Graph of VOC Concentration versus Time, Well 716
Figure 3-13	Graph of VOC Concentration versus Time, Well 863/628
Figure 3-14	Graph of VOC Concentration versus Time, Well 943
Figure 3-15	Graph of VOC Concentration versus Time, Well PW-1
Figure 3-16	Graph of VOC Concentration versus Time, Well PW-2
Figure 3-17	Graph of VOC Concentration versus Time, Well PW-4
Figure 3-18	Graph of VOC Concentration versus Time, Well PW-5/5A
Figure 3-19	Graph of VOC Concentration versus Time, Well PW-7
Figure 3-20	Graph of VOC Concentration versus Time, Well PW-25
Figure 3-21	Graph of VOC Concentration versus Time, Sump/B384
Figure 3-22	Graph of VOC Concentration versus Time, Well 064
Figure 3-23	Graph of VOC Concentration versus Time, Well 065
Figure 3-24	Graph of VOC Concentration versus Time, Well 066
Figure 3-25	Graph of VOC Concentration versus Time, Well 067
Figure 3-26	Graph of VOC Concentration versus Time, Well 987
Figure 3-27	Graph of VOC Concentration versus Time, Well 990
Figure 4-1	B/330D New Well Location Map

Table of Plates

Plate 1	Groundwater Monitoring Plan - Well Location Map
Plate 2	Elevation Contour Map, Soil Groundwater Table (February 20 – March 5, 2012)
Plate 2a	Elevation Contour Map, Soil Groundwater Table (May 21 – June 6, 2012)
Plate 3	Elevation Contour Map, Deep Bedrock Potentiometric Surface (February 20 - March 5, 2012)
Plate 3a	Elevation Contour Map, Deep Bedrock Potentiometric Surface (May 21 - June 6, 2012)
Plate 3b	Elevation Contour Map, Deep Bedrock Potentiometric Surface (August 28 - September 12, 2012)
Plate 3c	Elevation Contour Map, Deep Bedrock Potentiometric Surface (November 17 - December 4, 2012)
Plate 4	Isoconcentration Contour Map, PCE-Series - Soil, January through June 2012
Plate 5	Isoconcentration Contour Map, Freon TF - Soil, January through June 2012
Plate 6	Isoconcentration Contour Map, PCE-Series - Bedrock, January through June 2012
Plate 7	Isoconcentration Contour Map, Freon TF - Bedrock, January through June 2012

Table of Appendices

Appendix A	Well Specifications and Lists
	<u>Table A-1:</u> Hydraulic Effectiveness Monitoring Wells
	<u>Table A-2:</u> Well Specifications, Corrective Action Performance Monitoring Network
	<u>Table A-3:</u> Sampling Schedule, Corrective Action Performance Monitoring Network
Appendix B	Quarterly Groundwater Elevation Data, 2012
Appendix C	2012 Sampling Field Log Database (on CD): SAMP12a.DBF
	2012 Field Parameters Database (on CD): FIELD12a.DBF
	Table of Meteorological Data (January - December 2012)
Appendix D	Groundwater Analytical Data (Organics): 1/1/2012 to 12/31/2012
	Groundwater Analytical Data (Inorganics): 1/1/2012 to 12/31/2012
	Groundwater Analytical Data (Organics): Shutdown Sampling Non-CAP Wells
	Groundwater Analytical Data (Organics): B/330D Investigation
Appendix E	Production Well Analytical Data (Organics): 1/1/2012 to 12/31/2012
	Production Well Analytical Data (Inorganics): 1/1/2012 to 12/31/2012
Appendix F	Quality Assurance/Quality Control Analytical Data: 1/1/2012 to 12/31/2012
Appendix G	Groundwater Treatment Analytical Data (Organics): 1/1/2012 to 12/31/2012
	Groundwater Treatment Analytical Data (Inorganics): 1/1/2012 to 12/31/2012

1 INTRODUCTION

This report has been prepared by the Environmental Engineering Department at IBM Corporation's East Fishkill Facility (IBMEF) and by Groundwater Sciences Corporation (GSC). IBMEF is located at the Hudson Valley Research Park in the Town of East Fishkill, Dutchess County, New York (Figure 1-1).

Under the renewed NYSDEC Part 373 Permit¹, the East Fishkill Facility covers an area of approximately 450 acres referred to as the Main Site. Under the original Part 373 Permit², the Facility covered an area of approximately 600 acres, and included the Main Site, the former West Complex west of Gildersleeve Brook and the Former IBM Recreation Center east of Lime Kiln Road (Plate 1). In January 2006, the former West Complex was sold to PREI Hopewell Junction Associates. In December 2010, the former Recreation Center was sold to the Town of East Fishkill. IBM has maintained the right to use the groundwater monitoring wells on the former West Complex and Recreation Center sites and has continued monitoring and maintenance of the wells. On the Main Site, seven shallow areas of concern (AOCs) and the Deep Bedrock AOC are contaminated with organic chemicals. The shallow AOCs are shown on Plate 1 as Area A, Area B, Area C (Landfill), Building 330 (B/330), Area D, Southeast Quadrant (SEQ), and Building 322 (B/322). There are no AOCs at the former West Complex where only detection monitoring is performed or at the former IBM Recreation Center where only water level monitoring is performed.

IBMEF's groundwater monitoring program was implemented in 1979 to provide the data necessary to manage water quality problems and the site water supply. Groundwater has historically been the primary water supply source for IBMEF and its neighbors. Of the 17 production wells operated by IBM, nine wells (PW-1, -2, -4, -5/5A, -6, -7, -9, -23, and -25) are located on the Main Site (PW-9 is used only for water supply emergencies). The other production wells are located on properties to the north and northwest. Beginning in August 2007, the production wells have been supplemented with municipal water from the Poughkeepsies' Water Treatment Facility via the Central Dutchess Water Transmission Line. Prior to the sale of the property, IBM's former Recreation Center was

¹ New York State Department of Environmental Conservation, November 2, 2011, *6NYCRR Part 373 Hazardous Waste Management Permit, IBM Corporation East Fishkill Facility*.

² New York State Department of Environmental Conservation, September 29, 1995, *Final 6NYCRR Part 373 Hazardous Waste Management Permit, IBM East Fishkill Facility, Module III, Corrective Action Requirements for Solid Waste Management Units and Areas of Concern, and Module IX, General Groundwater Monitoring Conditions*.

supplied by a separate production well located on the Recreation Center property. The parcel is now supplied via municipal water by the Town of East Fishkill.

Groundwater monitoring and remediation activities have undergone a succession of incremental modifications since the late 1970's. In February 1996, a Groundwater Monitoring Plan³ (GMP) was prepared and submitted in response to the requirements specified in Module III and Module IX of the site's original NYSDEC Part 373 Permit. The GMP submitted in 1996 was modified from the preliminary version reviewed by NYSDEC during the permitting process. The area monitored under the GMP includes the Main Site, former Recreation Center, and the former West Complex. The sampling program described in the GMP was implemented on an interim basis during the first quarter of 1996, pending formal approval of the GMP by the NYSDEC. The monitoring network and sampling frequencies used from 1995 through the third quarter of 1999 were the same as those used in the preliminary GMP. In October 1999, the sampling list and sampling frequencies were modified. These modifications were discussed in the 1999 Annual Report⁴ and subsequently were approved by the NYSDEC. In 2003, further minor changes to the GMP were proposed. These changes were presented in the 2002 Annual Report⁵ and were approved by the NYSDEC in 2003. A minor change was made with NYSDEC approval in 2007 when well 834 was decommissioned and was replaced by well 832 for sampling purposes. NYSDEC issued a renewed Part 373 Permit to IBM on November 2, 2011. The GMP remains in effect per Modules II and IX of the renewed Permit. In 2012, NYSDEC approved the replacement of Area D extraction well 032A with well 032B.

The current GMP designates 392 wells as Hydraulic Effectiveness Monitoring (HEM) wells. These HEM wells are shown on Plate 1 and are listed in Table A-1 of Appendix A. 179 of these wells plus several other miscellaneous sampling points are monitored routinely as part of the Corrective Action Performance (CAP) Monitoring Network. The CAP monitoring wells and miscellaneous sampling points are listed in Table A-2 of Appendix A. Table A-2 also lists the physical

³ Groundwater Sciences Corporation and IBM Environmental Engineering, February 1996 (revised October 1999), *Groundwater Monitoring Plan, IBM East Fishkill Facility*.

⁴ IBM Environmental Engineering and Groundwater Sciences Corporation, May 30, 2000, *1999 Annual Corrective Action Status Report, IBM East Fishkill, New York*.

⁵ IBM Environmental Engineering and Groundwater Sciences Corporation, May 30, 2003, *2002 Annual Corrective Action Status Report, IBM East Fishkill, New York*.

specifications for the CAP monitoring wells. The current GMP sampling schedule is shown on Table A-3 of Appendix A.

Termination of pumping at PW-5/5A, PW-6, and PW-7 was proposed to provide more efficient and targeted containment and recovery of contaminants at the site. Following approval from NYSDEC to conduct a controlled and monitored experiment, production wells PW-5/5A, PW-6, and PW-7 were removed from service on October 22, 2007. IBM has continued post-shutdown monitoring and data evaluation, and will provide NYSDEC with a completion report and a request for permanent modification to the well field operations. A brief summary of the supplemental shutdown monitoring is described in Section 4.2.2.

1.1 Purpose

This annual groundwater monitoring status report summarizes data collected during 2012 and describes activities performed with regard to the groundwater monitoring program. This report is being submitted to the NYSDEC to comply with the requirements of the renewed Part 373 Permit for all AOCs and solid waste management units (SWMUs) where groundwater is monitored. The annual report for 2011 is dated May 24, 2012⁶.

1.2 Scope

This report addresses items specified in Module IX, Section H of the 2011 Part 373 Permit and in Section 3.3 of the GMP. Each Permit and GMP requirement is quoted below and is cross-referenced to the report sections, appendices, plates, and/or figures, indicated in parentheses, where it is addressed:

1. Summary of all analytical results. (3.2; Appendices D, E, F, G)
2. Quality Assurance/Quality Control (QA/QC) per the GMP. (3.2.2; Appendix F)
3. Pertinent monitoring data recorded in the well record, including the sampling field data sheets. (3.1; Appendix C)
4. Quarterly groundwater elevation and survey data in tabular form, and potentiometric contour maps delineating the zone of capture and the rate and direction of groundwater flow. (2; Appendix B; Plates 2 and 3)

⁶ IBM Environmental Engineering and Groundwater Sciences Corporation, May 24, 2012, *2011 Annual Corrective Action Status Report, IBM East Fishkill, New York*.

5. Evaluation of contaminant migration, including maps for “Key Compounds” listed in Table 3-1 of the GMP. Isoconcentration maps shall be prepared annually showing the approximate limit of each plume. This limit is defined as the median concentration equal to 5 micrograms per liter ($\mu\text{g/l}$) of one key compound (Freon TF) or the sum of the normalized transformation products of key compounds (tetrachloroethene (PCE) series compounds). Include a statement regarding future contaminant movement. (3.2.1.1; Plates 4, 5, 6, 7)
6. Trend line plots for the Contaminant Reduction Monitoring (CRM) wells. (3.2.1.2.1; Figures 3-1 through 3-21; Table 3-2)
7. Determination of statistically significant increase in contamination at Point-of-Compliance (POC) wells. (3.2.1.2.2; Figures 3-22 through 3-27; Table 3-3)
8. Determination of statistically significant changes in water quality at Corrective Action Monitoring (CAM) wells. (3.2.1.3; Table 3-4)
9. Production or monitoring well maintenance activities planned or performed. (4.1.4, 4.2)
10. Plans for installation of additional wells. (4.2.5)
11. Summary of well installation activities. (4.2.1)
12. Pumping well rates and volumes. (4.1.1; Table 4-1)
13. Contaminant recovery levels. (4.1.2; Table 4-2 and Table 4-3)
14. Treatment efficiency data. (4.1.3; Appendix G)
15. Any problems or other activities planned. (4.2)
16. An evaluation of the progress of the corrective action monitoring program. (4.3)

The above items are addressed in this report for the period January 1, 2012 through December 31, 2012. From 1996 to 2000, data collected during the third quarter of the year was used as the basis for an analysis of groundwater elevations and chemistry because this was the quarter in which the most extensive groundwater sampling was conducted. Beginning in 2001 and continuing through 2008, most of the monthly, quarterly, semiannual, and annual wells in the CAP monitoring network (Table A-3 of Appendix A) were sampled during the first quarter. From 2009 through 2012, the monthly, quarterly, semiannual, and annual CAP wells were sampled from January through June. Therefore, potentiometric data from the first and second quarter of 2012 and chemistry data from January through June was used to construct the maps in this report.

2 HYDROGEOLOGY

Groundwater occurs in saturated zones within both the soil and bedrock beneath the site. In general, recharge to the bedrock passes through or around the overlying soil units, which include fill, alluvial sands and gravels, an extensive but discontinuous layer of glaciolacustrine silt and clay, and an extensive, dense glacial till. The maximum thickness of these soil units is greater than 120 feet. Strong vertical flow of groundwater is induced by four active on-site corrective action pumping wells completed in the deep bedrock.

This section presents the results of quarterly water level monitoring for 2012 in both the soil and bedrock saturated zones and discusses the effects of corrective action pumping on groundwater flow in these units.

2.1 Quarterly Water Levels

In 2012, the hydrogeologic characteristics of the site were evaluated by means of quarterly water level measurements taken principally on February 20 to March 5, May 21 to June 6, August 28 to September 12, and November 17 to December 4, 2012 in the designated Hydraulic Effectiveness Monitoring (HEM) wells listed in Table A-1 of Appendix A. This water level data has been converted to groundwater elevations and is tabulated in Appendix B.

2.2 Soil Groundwater Elevations

Plate 2 and Plate 2a show the groundwater elevations for portions of the soil water table during the first quarter of 2012 (February 20 to March 5) and second quarter of 2012 (May 21 to June 6) under dynamic conditions of long-term corrective action pumping in the bedrock. The gray cross-hatched areas on Plate 2 and Plate 2a indicate areas where soils are typically unsaturated, largely as a result of dewatering by corrective action pumping. In some areas, soils that lie on top of buried bedrock ridges or other areas of relatively high bedrock surface elevation are also unsaturated. Plate 2 and Plate 2a show similar unsaturated areas and groundwater elevations. The unsaturated areas shown on Plate 2 are shown on the soil isoconcentration maps; therefore, the primary focus of the following discussion will be Plate 2.

2.2.1 Stratigraphic Controls on Groundwater Flow

Groundwater exists in the soils beneath the site under generally unconfined (water table) conditions. Groundwater flow within these soils is controlled by various factors including (1) the upper surface topography of the soil units, (2) the hydraulic characteristics of the soils, (3) the location of recharge and discharge zones, (4) horizontal and vertical gradients, and (5) the vertical hydraulic conductivity across stratigraphic units within the soils, and across the interface between the soils and bedrock.

In the northern parts of the site, the soil water table generally mirrors the surface topography of the extensive but discontinuous glaciolacustrine silt/clay that, together with several areas of extremely dense till, is the primary control on soil groundwater flow. Areas where the silt/clay is present are shaded tan on Plate 2. The silt/clay and dense till generally inhibit vertical migration of soil groundwater into the lower soil units and act as barriers to vertical contaminant transport. In areas where the silt/clay is absent and where the till is less dense or absent, soil groundwater passes through deeper soil units and into the bedrock. Areas without saturated soil are shown with cross-hatching on Plate 2.

Significant areas with regard to contamination of soil groundwater in the zones of perched water are the fine- to coarse-grained alluvial sand above the silt/clay in Area A, Area D, and the B/322 AOC. Significant areas with regard to contamination of soil groundwater in glacial till are in the B/330 and Area C (Landfill) AOC.

2.2.1.1 Area A

North of B/309 and B/310, the stratigraphic sequence consists of fill and silty sand overlying dense lodgment till with bouldery till. The glaciolacustrine silt/clay is absent north of B/309 and B/310 and east of B/309, as shown on Plate 2. The stratigraphic sequence from north to south gradually changes from till (north of B/309 and B/310) to include fill, sand, and sand-and-gravel lenses deposited on top of the silty sand that overlies the silt/clay confining unit.

Groundwater is typically perched within the alluvial sand above the silt/clay in Area A, and flows from the northeastern edge of B/310 to the north and northeast. The flow in the northern part of Area A is typically from the northeast corner of B/310 and the northern portion of B/309, and from B/303 toward an area where the silt/clay is generally absent north of the linkway between B/309

and B/310 (refer to “230 feet” contour on Plate 2). The soil groundwater table north of B/309 and the northeast corner of B/310 is located primarily in the till, where soil groundwater typically flows downward into the bedrock in the vicinity of wells 010, 748, and 763. During periods of normal precipitation (as was the case in 2012) and above normal precipitation, the area in the vicinity of these wells is saturated and appears as a sink for soil groundwater. It is referred to as the “B/309 sink” (Plate 2).

The remainder of the flow from beneath B/310 in the northern part of Area A is typically toward the northeast corner of B/308 in the vicinity of East Drive where the silt/clay and dense till are absent (Plate 2). In this area, referred to as the “B/308 sink” (refer to closed “240 feet” contour, Plate 2), soil groundwater flow is primarily lateral toward the edge of the silt/clay and generally vertically downward beyond the edge of the silt/clay and into the bedrock, where it is captured by production well PW-2, as described in Section 2.3.

The groundwater flow divide between the B/308 and B/309 groundwater sinks is shown on Plate 2. At the B/384 Sump west of B/308, groundwater is captured and treated by the Area A treatment system at an average rate in 2012 of 0.5 gallons per minute (gpm). Despite this low flow rate, it appears that a significant portion of the easterly flow from the VOC source area beneath B/310 is captured by the Area A treatment system.

Flow from the southeast corner of B/310 is to the south and southeast (Plate 2). A groundwater flow divide in the alluvial unit above the silt/clay near wells 103 and 980 and beneath B/386 separates the area where shallow groundwater flows to the east and to the north toward the B/308 sink from the area where shallow groundwater flows to the south across the edge of the silt/clay and then downward into deeper soils (primarily till) and bedrock in the vicinity of the Central Drainage.

2.2.1.2 B/322 AOC

Groundwater flow in the B/322 AOC controls migration of a plume emanating from the northeastern corner of B/322 near well 735, as discussed in Section 3.2.1.1.1. Groundwater in the alluvial unit above the silt/clay (Plate 2) flows from an area of high top-of-silt/clay elevation in the vicinity of wells 735 and 627 to the south-southwest across the northern half of B/322 and toward B/323. In addition to this southerly component of flow toward B/323, the groundwater flow divide shown for the B/322 AOC shown on Plate 2 also produces a westerly component of flow toward the

B/322 remediation system consisting of wells 612, 613, 617, and 618. Groundwater flow into the B/322 remediation system averaged 9.8 gpm in 2012 and is discussed further in Section 4.1.3.4.

2.2.1.3 B/330, Area C (Landfill), and SEQ

In the SEQ, B/330, and Area C (Landfill) AOCs, the silt/clay is mostly absent except for several small areas shaded tan on Plate 2. Although some groundwater in these areas is perched on the silt/clay, the soil groundwater elevations shown on Plate 2 in the B/330 AOC are primarily for the till overlying the bedrock. This till contains the B/330 and Area C (Landfill) AOC soil groundwater plumes, which are discussed further in Section 3.2.1.1.1.

Soil groundwater in the B/330 AOC is mounded in the area between B/330D and B/335 at wells 180, 181, and 602 (Plate 2); part of this area is not capped by a building slab or parking lot and allows for direct infiltration of precipitation. Elsewhere beneath B/330D and areas to the north and west, the overburden is believed to be unsaturated due to the presence of (1) buildings and parking lots that limit infiltration of precipitation, (2) natural soils that are too thin and too permeable to allow perching of groundwater, and (3) production well PW-25, which has dewatered much of the soil beneath the B/330 AOC.

In the SEQ, pumping of PW-23 in the shallow bedrock at an average rate of approximately 7.3 gpm has increased the hydraulic gradients in the overlying soil overburden. The silt/clay is absent in the SEQ and the soil and bedrock units are hydraulically well-connected. The shallow bedrock groundwater elevations are shown in Figure 2-1 and discussed in section 2.3.3.

2.2.1.4 Area D

In Area D, a small, localized depression in the water table within the alluvial unit results from the pumping of well 032A (Plate 2), and is discussed further in Section 4.1.3.3. Well 032B replaced well 032A in the third quarter of 2012, as discussed in Section 4.2.5. Figure 2-2 shows a larger depression in the water table associated with well 032B pumping during the fourth quarter of 2012 relative to the first quarter of 2012 (Plate 2).

2.2.1.5 Former West Complex

Much of the former West Complex is topographically higher than the Main Site. As a result, soil groundwater in the western portion of the former West Complex flows from a high in the vicinity of

B/692, B/693, and B/694, where groundwater elevations are greater than 270 feet above mean sea level, to the west, northwest, north, and northeast. In the northeastern portion of the former West Complex, groundwater in the vicinity of wells 400 and 403 flows to the northeast beneath John Jay High School and toward Gildersleeve Brook.

Although Plate 2 does not show the silt/clay on the former West Complex, data from borings indicates that the glaciolacustrine silt/clay unit extends beyond the western boundary of the Main Site at Gildersleeve Brook.

2.2.2 Gradients and Groundwater Flow Velocities

The calculated linear velocity of horizontal groundwater flow within alluvial sand above the glaciolacustrine silt/clay ranges from 0.073 to 7.3 feet per day (ft/day), with a median of 0.73 ft/day. These flow velocities were calculated from (1) hydraulic conductivities determined from evaluation of slug tests, (2) hydraulic gradients measured on the groundwater elevation contour maps shown in this report, and (3) a porosity of 35% determined from laboratory tests on soil samples. Measured hydraulic conductivities for monitoring wells screened in the alluvial sand west of B/322 range between 1 and 100 ft/day, with a median value of 10 ft/day. Measured hydraulic gradients range from 0.0029 to 0.093, yielding a representative median gradient of 0.025.

2.3 Bedrock Groundwater Elevations

Groundwater in the bedrock water-bearing zone before the start of corrective action pumping generally existed under confined or semi-confined conditions. Groundwater flow in the bedrock unit under these conditions was controlled by vertical recharge from the overlying saturated soil, by direct infiltration in areas where the bedrock flow system was semi-confined, and by the hydraulic conductivity, connectivity, and geometry of fractures in the dolostone bedrock.

2.3.1 Potentiometric Head Distribution

Under natural (non-pumping) conditions, bedrock groundwater flow followed topography in a generalized way, flowing from topographically high areas of natural recharge to discharge zones associated with streams such as Gildersleeve Brook and its tributaries. This generalized natural flow configuration has been altered by long-term corrective action pumping at the five active on-

site production wells and by barriers to direct infiltration, such as buildings and parking lots, erected as the site was developed.

Plate 3 shows the potentiometric head distribution in the deep bedrock groundwater system during the period February 20 to March 25, 2012 under dynamic conditions of long-term corrective action pumping at deep bedrock production wells PW-1, -2, -4, and -25. Additional plates were created as part of the continued review of the PW-5/5A, PW-6, and PW-7 shutdown. Plate 3a shows the potentiometric head distribution in the deep bedrock during late May and early June 2012. Plate 3b shows the potentiometric head distribution in the deep bedrock during late August and early September 2012. Plate 3c shows the potentiometric head distribution in November and early December 2012. Figure 2-1 shows potentiometric head conditions at shallow bedrock production well PW-23 in the Southeast Quadrant. The PW-23 hydraulic capture zone is limited to the immediate vicinity of the well during periods of high groundwater elevations and is larger during periods of lower groundwater elevations. Elevations recorded on August 30 and 31, 2012 were used to construct Figure 2-1.

The data used in contouring Plates 3, 3a, 3b, and 3c is generally from the deepest of the bedrock wells in a well cluster and corresponds to a screened or open hole interval elevation between approximately 50 and 120 feet amsl (with the exception of shallow bedrock production well PW-23). This elevation interval generally correlates with the principal water-bearing zones in the on-site deep bedrock production wells. The principal water-bearing zone in PW-23 is at approximately 221 feet amsl, which is significantly higher than the elevation of the principal water-bearing zones in the other production wells. Only groundwater elevation data from wells used in contouring is shown on Plates 3, 3a, 3b, and 3c.

Groundwater flow directions are generally toward the production wells and steep horizontal gradients occur in the vicinity of the production wells. Bedrock groundwater elevations range from more than 270 feet amsl at wells 529 and 542 in the Southeast Quadrant, to less than 150 feet amsl in the vicinity of on-site deep bedrock production wells PW-1, -2, -4, and -25 (Plate 3). Excluding the production wells, the lowest measured bedrock groundwater elevation shown on Plate 3 was 120.77 feet amsl at well 606 on the east side of B/334, in the area dewatered by production well PW-4.

2.3.2 Gradients and Structural Controls on Groundwater Flow

The essentially continuous withdrawal of bedrock groundwater since the early 1960s for site water supply and corrective action has altered the flow dynamics on site and the hydrogeologic conditions within the soil and bedrock water-bearing zones relative to the natural conditions that existed before the start of pumping. In response to corrective action pumping, the lowering of the potentiometric levels within the bedrock water-bearing zone on-site has resulted in a situation where formerly saturated soils are now unsaturated and where the bedrock potentiometric surface is now below the top-of-bedrock surface in some areas. Where this situation has occurred, the bedrock water-bearing zone may have been converted locally from a confined or semi-confined condition to a water table or unconfined condition, resulting in some unsaturated zones in the upper bedrock, particularly in the area of the production wells PW-1 and PW-25.

The geometry of the bedrock groundwater potentiometric surface under the influence of long-term corrective action pumping suggests that the hydraulic characteristics of the fractured bedrock groundwater system are influenced by the bedrock's structural fabric, which generally trends north-south. This structural fabric has been created by complex folding, fracturing, and faulting. In this regard, the bedrock groundwater potentiometric surface maps (Plates 3, 3a, 3b, and 3c) show various anomalies in contour spacing and patterns of directional hydraulic conductivity that are related to the degree of fracture connectivity between wells and to the variations in directional hydraulic conductivity across the site. The patterns of drawdown and connectivity are controlled by discrete fractures. In general, the north-south features are likely the result of bedding plane fractures and faults, and the east-west features are the result of transverse fractures and faults such as cross joints and tear faults. These structural features are augmented by solution activity that has created significant voids and more permeable weathered zones in the dolostone bedrock. Such voids and weathered zones have been encountered frequently during more than 30 years of drilling monitoring wells at the site.

The primary controls on the directional variability of hydraulic conductivity in the bedrock are zones of high fracture connectivity such as fracture zones. Groundwater flow paths are not necessarily perpendicular to the potentiometric surface contours shown on Plates 3, 3a, 3b, and 3c because the orientation of the greatest principal hydraulic conductivity (K) of the hydraulic conductivity tensor is not necessarily parallel to the apparent hydraulic gradient. This situation is typical of a fractured bedrock aquifer, where zones of high fracture connectivity facilitate

groundwater flow in directions other than those that would be determined by the apparent potentiometric head distribution as shown on the potentiometric surface contour maps (Plate 3, 3a, 3b, and 3c). Therefore, the groundwater flow arrows shown on Plates 3, 3a, 3b, and 3c represent only generalized flow directions and not the actual flow paths of groundwater “particles.”

The flow rates in the bedrock aquifer are controlled by fracture geometry, orientation, density, aperture, and smoothness. These parameters are difficult to specifically characterize at this site because of the complex structural geology. As a result, meaningful bedrock groundwater flow velocities are difficult to estimate. However, a range of horizontal gradients in the deep bedrock can be estimated from Plate 3. As in previous years, these horizontal gradients generally range from 0.1 to 0.5 (near PW-4), except in the northeast corner of the site and the eastern portion of the SEQ. The SEQ exhibits gradients on the order of 0.02 or less (except near PW-23). These estimates are similar to those from previous years.

2.3.3 Hydraulic Containment

Hydraulic containment of groundwater occurs in the bedrock within an area encompassing IBMEF’s Main Site, former IBM Recreation Center, and at least the eastern half of the former West Complex. Based on the February - March (Plate 3), May - June (Plate 3a), August - September (Plate 3b), and November – December 2012 (Plate 3c) potentiometric contours, the site can be divided into five areas of hydraulic capture/containment. The potentiometric contours on Plates 3, 3a, 3b, and 3c show little change in the overall pattern of groundwater flow in 2012. Until the shutdown of PW-5/5A, PW-6, and PW-7 in October 2007, these areas of capture generally had not changed significantly since the startup of PW-25 in late January 2003.

The most extensive area of capture is generated by production well PW-1 in the western third of the Main Site and the eastern half of the former West Complex. This area of capture also encompasses the bedrock beneath Area D and most of the B/322 AOC. It extends to the west beyond Gildersleeve Brook and onto the former West Complex, to the northeast beyond the intersection of West Drive and Route 52, to the east in the area between B/322 and B/315, between B/321 and B/320B, and to the south between inactive production wells PW-5/5A and PW-6. The northeastern and eastern limits of the groundwater capture area are defined by localized areas of higher potentiometric head greater than 190 feet amsl in the vicinity of well 122 and greater than 210 feet amsl in the vicinity of well 130. The mound in the potentiometric surface at well 130 corresponds

to a topographic high in the bedrock surface near the southeast corner of B/322 and, based on previous investigations, is inferred to be an area of low bedrock transmissivity with recharge at the limit of the perched hydrogeologic unit. The bedrock in this area is relatively unweathered with sub-horizontal (flat-lying) bedding.

A second extensive area of hydraulic capture in the bedrock is located in the northeastern quadrant of the Main Site and is the result of pumping production well PW-2. This area of capture is bounded on the west by a groundwater flow divide separating it from the area of capture for well PW-1. As discussed above, this flow divide is defined by localized areas of high potentiometric head in the vicinity of a buried bedrock ridge. On the southern boundary, a groundwater flow divide separates flow toward PW-2 from flow toward PW-4. The area of capture includes the bedrock beneath most of shallow Area A and part of shallow Area B, and extends to the north at least to Route 52 and to the east at least to Lime Kiln Road and possibly to Shenandoah Road. Inactive production well PW-9 is located in the extreme northeastern corner of the site near the intersection of Route 52 and Lime Kiln Road and lies within the area captured by PW-2. PW-9 has not been pumped for a sustained period since 2003 and so does not affect the potentiometric surface in that area.

The third area of hydraulic capture is created by production well PW-4. As with PW-2, the western boundary of this area is defined by localized areas of high potentiometric head in the vicinity of a buried bedrock ridge. The eastern boundary is an area of high potentiometric head associated with the bedrock ridge that runs in part from the SEQ AOC northward to Area B. The southeastern and southwestern boundaries are defined by the pumping centers associated with production well PW-25. The groundwater flow divide separating the PW-4 and PW-25 capture areas runs west from the northern corner of B/330C, through B/334, then northwest to the potentiometric high at well 130.

The operation of production well PW-25 creates a fourth area of hydraulic capture. The western boundary of the capture zone extends from the southeastern corner of the former West Complex to the potentiometric high at well 130. Some groundwater to the east of inactive production well PW-5/5A, formerly part of the PW-5/5A capture zone, is also captured by PW-25. As discussed above, the northern boundary this hydraulic capture zone is defined by pumping of PW-4. To the west, the groundwater divide runs from the potentiometric high at well 130 to the west of inactive production well PW-6. The capture area to the east extends to the bedrock ridge in the Southeast Quadrant, and includes the Area C (Landfill) AOC. The area of capture may extend south as far as

Interstate 84 and encompasses the bedrock aquifer beneath B/330D, B/335, B/338, B/330C, and the southern part of B/334.

The fifth area of hydraulic capture is produced by shallow bedrock production well PW-23 (formerly well 552) in the SEQ. Groundwater flow directions and hydraulic capture appear to vary with seasonal, recharge-related fluctuations in groundwater elevation such that the extent of hydraulic capture contracts when groundwater elevations are higher. During these periods of higher groundwater elevations, the extent of downgradient hydraulic capture from PW-23 is believed to be limited to the immediate vicinity of the well. Consequently, the VOC mass intercepted by the well is derived from an area close to the well⁷. Figure 2-1 shows the shallow bedrock potentiometric contours in the SEQ based on August 2012 groundwater elevations.

Elsewhere in the SEQ AOC, deep bedrock groundwater is captured by the on-site pumping centers. In the eastern portion of the SEQ, the direction of groundwater flow is generally to the northwest in the area between Lime Kiln and Shenandoah Roads. Groundwater in the deep bedrock then flows westward back onto the Main Site where it is captured by production well PW-2.

⁷ Sanborn, Head, and Associates, September 2002, *Report of Findings, Startup Performance Monitoring, Water Supply Production/Extraction Well-23, IBM East Fishkill Facility, East Fishkill, New York.*

3 GROUNDWATER CHEMISTRY

As mentioned in the previous sections, groundwater plumes composed of volatile organic compounds (VOCs) are present in both the soil and bedrock saturated zones at this site. This section presents the results of groundwater monitoring of these plumes for 2012. The results of related QA/QC sampling conducted in 2012 are also discussed.

3.1 Sampling

Sampling was conducted at locations and frequencies specified in Table A-3. A sampling record for each well and surface water location is provided on a CD in Appendix C. This CD contains purging and sampling data for all of 2012, as specified in Table 7-1 of the GMP, "IBM East Fishkill Well Record and Data Format." The data is stored in a standard database file format (SAMP12a.DBF) readable by most database and spreadsheet applications. SAMP12a.DBF contains the following information sorted by well/location number and sampling date:

1. Well or sample location number
2. Date of sample
3. Sample identification number
4. Equipment used
5. Depth to water prior to purge
6. Purge rate
7. Purge volume
8. Sampler's initials
9. Number of containers for each type of analysis
10. PID reading (if applicable)
11. Whether the well was evacuated
12. Relevant comments

Also included on the CD in Appendix C is the database file FIELD12a.DBF. This file contains field parameter data for pH, temperature, specific conductance, and turbidity for all of 2012. These parameters are measured in the field at the time of sample collection.

Appendix C also contains a daily summary of meteorological data obtained from the National Climatic Data Center for the Dutchess County Airport, the nearest available station. Meteorological data for a given sample can be obtained by cross-referencing the date of the sample with the corresponding date in this table.

3.1.1 First Quarter 2012 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the first quarter of 2012.

3.1.2 Second Quarter 2012 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the second quarter of 2012 with the following exception:

1. A trip blank did not accompany the April 27, 2012 sample from PW-1, the only groundwater sample collected on that day. The results are consistent with historical sampling results from PW-1, and do not indicate contamination during transport or storage.

3.1.3 Third Quarter 2012 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the third quarter of 2012 with the following exception:

1. Field parameters could not be collected at well 103 because of poor well recovery after purging.

3.1.4 Fourth Quarter 2012 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the fourth quarter of 2012 with the following exception:

1. Field parameters could not be collected at well 104 because of poor well recovery after purging.

3.2 Chemistry Results

Environmental sampling, quality assurance/quality control, and additional sampling results are discussed in this section.

3.2.1 Groundwater Chemistry Results

Groundwater chemistry data for samples collected during the first through fourth quarters of 2012 (excluding the production wells and treatment systems) is presented in Appendix D. The presentation of the data in Appendix D conforms to the requirements of the Part 373 permit.

The concentrations of the required monitoring parameters are presented in a table in numerical ascending order by sample location and then chronologically for each sample location for the period January 1 through December 31, 2012. The inorganic data (F, As, Ni, and Cr) for 2012 is presented in Appendix D separately from the VOC data. The results for duplicate samples (split samples) collected for intralaboratory precision information during 2012 are also presented in Appendix D and are discussed in Section 3.2.2. Supplemental groundwater chemistry data from GMP and non-GMP wells sampled as part of continued monitoring of production wells PW-5/5A, PW-6, and PW-7 can be found in Appendix D.

Table 3-1 lists the maximum concentration and location of the maximum concentration during 2012 for GMP wells (not including production wells and groundwater treatment locations) for each of the chemical constituents/monitoring parameters listed in Table II-3 of the Part 373 Permit. These parameters are included in the sampling program based on their detection histories and historical concentrations relative to the Part 703 New York State Groundwater Quality Standards (NYSGQS).

**Table 3-1. Maximum Groundwater Concentrations in GMP Wells during 2012 (µg/l)
(does not include production wells or groundwater treatment points)**

Parameter	NYSQGS (µg/l)	Soil		Bedrock	
		Location	Conc. (µg/l)	Location	Conc. (µg/l)
Chlorobenzene	5	767	0.95	559	2.6
1,2-Dichlorobenzene	3	766	3.6	559	52
Dichlorodifluoromethane (Freon 12)	5	016	20	none	not detected
Ethylbenzene	5	none	not detected	none	not detected
Vinyl Chloride	2	181	61	559	12
1,2-Dichloro-1,2,2-trifluoroethane (Freon 123a)	5	627	21	559	6.9
Tetrachloroethene	5	572	200,000	118	220,000
1,1,2-trichloro-1,2,2-trifluoroethane (Freon TF) ¹	5	735	90	118	1,900
Trichloroethene	5	572	1,100	941	2,200
cis-1,2-Dichloroethene ¹	5	572	2,500	607	500
Fluoride	1,500	627	126,000	960	290
Chromium (total)	50	771	14,300	742	3.8
Chromium (dissolved)		767	66.8	742	1.3
Arsenic (total)	25	068	74.4	960	35.4
Arsenic (dissolved)		767	15.6	none	not detected
Nickel (total)	100	769	607	Not applicable	Not applicable ³
Nickel (dissolved)		793	182		
Acetone ²	none ⁴	745	12	742	170
Trichlorofluoromethane (Freon 11)	5	751	2.0	610	2.4
m,p-xylene	5	none	not detected	none	not detected
o-xylene	5	none	not detected	none	not detected
1,1,1-Trichloroethane	5	714	7.4	none	not detected

NYSQGS - New York State Groundwater Quality Standard (6NYCRR Part 703). All concentrations have been rounded to not more than two significant figures for VOCs and three significant figures for inorganic parameters.

1 - Due to the very high concentrations of PCE in wells 572, 574 and 118, higher concentrations of these parameters may have been diluted out in the laboratory analysis for these two wells.

2 - Common laboratory contaminant.

3 - Bedrock monitoring wells are not sampled for nickel.

4 - A "general organic guidance value" of 50 µg/l has been established for this parameter (Part 702.15 of the NY State Water Quality Regulations).

3.2.1.1 Groundwater Chemistry Maps

There are at least nine separate plumes in the overburden and at least four in the bedrock. The principal constituents of the plumes are tetrachloroethene (PCE), trichloroethene (TCE), *cis*-1,2-dichloroethene (CIS), vinyl chloride (VC), and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon TF). PCE, TCE, CIS, and VC are discussed as a group and are collectively referred to as the PCE-series compounds. The collective concentration for the PCE-series compounds is determined by normalizing the groundwater concentrations of the transformation products of PCE so as to account for the degradation of PCE by dehalogenation, which occurs at different rates and by different processes across the site. The PCE-series concentration is calculated by multiplying the concentrations of TCE, CIS, and VC by the ratio of the molecular weight of PCE to the molecular weight of each degradation product, and then summing the products. In this way, a more useful picture of groundwater contaminant transport can be developed than might otherwise be the case if each of these four compounds were to be examined separately.

Isoconcentration contour maps (Plates 4, 5, 6, and 7) were prepared using groundwater chemistry data collected from January through June 2012. As required by the GMP and Part 373 Permit, these maps show the approximate limit of each plume as defined by the annual median concentration equal to 5 $\mu\text{g/l}$ of one key compound (Freon TF) or the sum of key compounds (normalized PCE-series compounds as described above). The approximate plume limits are shown as dotted 5 $\mu\text{g/l}$ contours on Plates 4 through 7 where sufficient data exists to determine the extent of each plume.

In general, these isoconcentration maps show that contaminant movement is controlled primarily by the direction of groundwater flow in the soil and bedrock. As discussed in Sections 2.3.3 and 2.3.4, site groundwater at concentrations exceeding the NYSGQS is hydraulically contained to the site by corrective action pumping of five on-site bedrock production wells. Control of contaminant movement is dependent on continued corrective action pumping.

3.2.1.1.1 VOC Plumes in Soil and Shallow Bedrock Groundwater

The soil and shallow bedrock groundwater plumes are identified by AOC, beginning with Area A. Area A contains two soil plumes of primarily PCE-series compounds (Plate 4). One of these plumes is in the till and appears to have a source near the northwest corner of B/309 with highest concentrations at well 714. A small plume of Freon TF (Plate 5) exists in this same area. The

lateral extent of the PCE-series plume is not well defined south of well 714 (Plate 4), where the glaciolacustrine silt/clay inhibits vertical contaminant transport between the shallow soils and the till underlying the silt/clay. A second plume lies in the alluvial sand and gravel above the glaciolacustrine silt/clay and has a source on the eastern side of B/310 where concentrations are greater than 10,000 $\mu\text{g/l}$. Two GMP monitoring wells (015 and 706) and the B/384 Sump (shown on Plate 4) monitor the central portion of this plume. Based on historical data from monitoring wells that are not routinely sampled, this plume extends to the east and northeast, in the direction of groundwater flow toward the area where the silt/clay and dense till are absent northeast of B/308 near well 720 (the “B/308 sink” described in Section 2.2.1.1). The plume also extends to the southeast beneath B/386. PCE-series concentrations less than 100 $\mu\text{g/l}$ are found south of Building 386 and Shenandoah Drive (Plate 4).

Area B contains a small plume with low concentrations (less than 5 $\mu\text{g/l}$) of PCE-series compounds in soil and shallow bedrock near wells 046 (soil, Plate 4) and 628 (shallow bedrock, Plate 6). Active remediation of this plume continued in 2012 using a pump-and-treat system at well 628, which is near the source area. Historically, PCE-series concentrations of 2 to 3 $\mu\text{g/l}$ have been detected at soil monitoring well 064 (Plate 4) along Lime Kiln Road northeast of well 628. PCE-series concentrations were 1.5 $\mu\text{g/l}$ in the first quarter, 1.7 $\mu\text{g/l}$ in the second quarter, 2.6 $\mu\text{g/l}$ in the third quarter and 2.1 $\mu\text{g/l}$ in the fourth quarter. Low concentrations of PCE-series compounds (with PCE generally less than 1.5 $\mu\text{g/l}$) have also been detected at quarterly bedrock monitoring well 065 (Plate 6) during periods of reduced precipitation and resulting low groundwater elevations. It is believed that such conditions reduce the size of the zone of capture at shallow bedrock well 628 and allow low concentrations of PCE-series compounds to migrate northward toward wells 064 and 065. PCE-series parameters were not detected in the second and fourth quarters at well 065, while PCE-series concentrations were less than 0.5 $\mu\text{g/l}$ in the first and third quarters. PCE-series compounds were less than the NYSGQS at soil and shallow bedrock wells 064 and 065.

The B/330 AOC soil VOC plumes (Plate 4) have multiple source areas and consist primarily of PCE-series compounds. The soil groundwater plumes (Plate 4) are the source of several plumes in the underlying deep bedrock (Plate 6). One of the source areas for the B/330 AOC plumes is located beneath the south-central portion of B/330D near well 572 (210,000 $\mu\text{g/l}$, Plate 4) where separate-phase PCE has been recovered during sampling of well 572. A second soil VOC plume is located on the northeast side of B/330C near well 956 (Plate 4); this plume is associated with a

source in the vicinity of soil monitoring wells 576 and 178 where PCE-series concentrations are less than 400 $\mu\text{g/l}$, and soil/bedrock monitoring well 574. A third soil VOC plume is associated with a source near well 181 between B/330D and B/335 where PCE-series concentrations were as high as 260 $\mu\text{g/l}$; this plume appears to merge with the plume originating near well 572.

The soil VOC plume associated with the Area C (Landfill) AOC is also composed primarily of PCE-series compounds and has a source near soil/bedrock monitoring well 561 (Plate 4) and shallow bedrock well 559 (Plate 6). The Area C (Landfill) AOC soil plume (Plate 4) is bounded on the east by unsaturated soils associated with a topographic high in the bedrock, and extends downward into the bedrock (Plate 6). This soil groundwater plume, which has PCE-series concentrations less than 50 $\mu\text{g/l}$, extends to the west toward B/338 and into the bedrock south of deep soil monitoring well 921, where it ultimately is captured by bedrock production well PW-25. The Area C (Landfill) AOC shallow bedrock VOC plume associated with well 559 is also ultimately captured by PW-25, as shown on Plate 6.

Area D contains a small isolated soil groundwater plume (Plate 4) consisting of low levels ($< 10\mu\text{g/l}$) of PCE-series compounds near shallow pumping well 032A. The Area D extraction well is approximately 50 feet west of the Area D source area. The predominant component is TCE with lesser concentrations of PCE and CIS. Bedrock VOC plumes are not found in Area D.

The B/322 AOC contains a soil groundwater plume in the alluvial sand and gravel unit consisting primarily of PCE-series compounds (Plate 4) together with a smaller Freon TF plume (Plate 5) with source areas in the vicinity of the B/322 and B/320B linkway. The PCE-series plume has a southerly component extending in the direction of groundwater flow toward wells 767 (69 $\mu\text{g/l}$) and 793 (22 $\mu\text{g/l}$) from a source near well 735 (340 $\mu\text{g/l}$, Plate 4) at the northeast corner of B/322, and a westerly component extending from the same source area toward extraction wells 612 and 617 of the B/322 remediation system. Concentrations of PCE-series parameters are less than 1.0 $\mu\text{g/l}$ at the B/322 extraction wells. The Freon TF plume shown on Plate 5 has only a westerly component extending from wells 735 (41 $\mu\text{g/l}$) and 627 (46 $\mu\text{g/l}$) toward B/322 extraction wells 612 and 617, but is not detectable at the extraction wells.

The SEQ contains an elongated soil plume of PCE-series compounds approximately 800 feet long extending from a source area near soil monitoring well 048 and production well PW-23 (formerly shallow bedrock well 552) northward toward wells 987 (bedrock) and 990 (soil) along Lime Kiln

Road, as shown on Plates 4 and 6. The highest PCE-series concentration in this plume (an average of 2.0 $\mu\text{g/l}$) during January through June 2012 were detected at well 990. The plume is being actively remediated by pumping production well PW-23. Concentrations in the shallow bedrock and soil at wells 987 and 990 along Lime Kiln Road were less than the NYSGQS for all PCE-series compounds. No Freon TF plumes are present in the SEQ.

3.2.1.1.2 VOC Plumes in Deep Bedrock Groundwater

In addition to the shallow bedrock plumes at the Area B, SEQ, B/330 and Area C (Landfill) AOCs, the deep bedrock contains several plumes of PCE-series compounds and Freon TF. One of the bedrock groundwater plumes is located beneath Area A and is captured by production well PW-2 (Plate 6). This Area A bedrock plume consists primarily of PCE-series compounds and has at least three significant source areas:

1. *In the shallow soil near the northwest corner of B/309 (the “B/309 sink”).* This source is highlighted by a PCE-series concentration of 1,900 $\mu\text{g/l}$ at bedrock well 716 (Plate 6) on the north side of B/310.
2. *In the soils at the northeast corner of B/308 (the “B/308 sink”).* As discussed in Section 2.2.1.1, contaminated groundwater in the overlying sand and gravel unit flows beyond the edge of the silt/clay at the northeast corner of B/308 and passes through relatively permeable soils and into the bedrock (Plate 2). This contaminated groundwater is ultimately captured by production well PW-2.
3. *In the deep bedrock as indicated by historical high PCE-series concentrations at well 118 (190,000 $\mu\text{g/l}$ in the first quarter of 2012).* These concentrations are indicative of dense non-aqueous phase liquid (DNAPL) in the bedrock beneath the Area A source which lies in the shallow soil above the silt/clay unit.

A Freon TF plume with maximum concentration of 130 $\mu\text{g/l}$ (well 716) exists in the bedrock beneath Area A (Plate 7), and is captured by PW-2. The source appears to be the “B/309 sink”. Freon TF was also detected in well 118 (1,700 $\mu\text{g/l}$). This plume is also captured by PW-2. Freon TF is present at low levels to the west (less than 5 $\mu\text{g/l}$ in wells 739, 742, and PW-1. The source of the low concentrations of PCE-series compounds and Freon TF at wells 739 and 742 (Plates 6 and 7) is not known; however, this groundwater chemistry is captured by PW-1.

The large bedrock plume associated with the B/330 AOC (Plate 6) has its principal sources in the soil and shallow bedrock, as discussed in Section 3.2.1.1.1. The B/330 AOC plumes are captured primarily by production well PW-25 and to a lesser extent by PW-4.

A small source area situated at bedrock well pair 959/960 on the northern side of B/300 (Plate 6) is captured by production well PW-25.

With regard to Freon TF in the deep bedrock, the Freon TF plume (Plate 7) in the B/330 Area is captured by production well PW-25 and also by PW-4. The highest Freon TF concentration measured in this plume is found at well 941 (340 $\mu\text{g/l}$).

3.2.1.2 Chemistry Graphs

In addition to reviewing the 2012 VOC chemistry data with regard to the three-dimensional distribution of VOCs, the data was reviewed by graphing concentration versus time for Freon TF and PCE-series compounds in the Contaminant Reduction Monitoring (CRM) and Point-of-Compliance (POC) wells (refer to Table A-3 in Appendix A for well designations). These X-Y graphs are shown on Figures 3-1 through 3-27 and were prepared using all of the data available from 1990 through the fourth quarter of 2012. Where multiple or duplicate samples were collected during a single day, the concentration was calculated by averaging all of the data from samples collected on that day.

Some of these graphs exhibit downward concentration trends that are apparent by inspection. Other graphs suggest seasonal variations in the chemical concentrations. As required by the Part 373 Permit, the data have been statistically evaluated for trend using *WQStat Plus*⁸, a widely-used water quality statistics program. Several non-parametric tests are available in *WQStat Plus* and two of the non-parametric tests for trend were used to analyze the time versus concentration data for the CRM wells. These tests are the Mann-Kendall Test (using deseasonalized data, where possible) and the Seasonal Kendall Test (a generalization of the Mann-Kendall Test that handles seasonal data internally). These non-parametric tests do not require that the data be normally distributed, and are valid even when data are missing, tied, or censored (e.g., ND@1.0 $\mu\text{g/l}$). Statistically significant trends, where they occur, are defined at a confidence level of 90 percent or higher.

⁸Intelligent Decision Technologies, Ltd., 1998, *WQStat Plus*, version 1.56.

3.2.1.2.1 Contaminant Reduction Monitoring Wells

The results of the Seasonal Kendall Test for trend are shown on Table 3-2 for each CRM well. The statistical outcomes shown on this table are summarized below. Several statistically significant trends in concentration are noted for the period 1990 to 2012:

1. Freon TF concentrations are decreasing at Area A well 010 (soil). PCE-series concentrations are decreasing at the Area A source associated with wells 714 (soil) and 716 (bedrock), at downgradient wells 103, 104, and 016, and at the B/384 sump (sampling point 395).
2. PCE-series concentrations have increased at Area A production well PW-2 since the early 2000s.
3. Freon TF concentrations at PW-25 exhibit a statistically significant increasing trend.
4. PCE-series concentrations at Area D recovery wells 032A/032B, B/322 recovery well 612, and Area B extraction well 628 exhibit statistically significant decreasing trends.
5. PCE-series and Freon TF concentrations at production well PW-1 exhibit increasing trends since 1990.
6. PCE-series concentrations have decreased at inactive production wells PW-7 and PW-5/5A since shutdown in 2007. PCE-series concentrations have decreased at PW-4; PW-25 began pumping in January 2003. Prior to the start of pumping at PW-25, PCE-series concentrations showed increasing trends at production well PW-4.

The graph for Area D location 032/032A/032B (Figure 3-3) exhibits an inflection point, or change in overall trend at the beginning of 1995, and so the trend analysis was performed only on data collected since the beginning of 1995. Similarly, the trend analysis periods for wells 943, PW-4, and for the B/384 Sump were adjusted based on an inspection of their respective graphs. The trend period for PW-5/5A and PW-7 was adjusted because pumping was discontinued at these locations in 2007. These period adjustments are noted at the bottom of Table 3-2.

**Table 3-2. Statistical Trends in Contaminant Reduction Monitoring Wells
1990-2012 (except where noted)**

Well	Figure Number	Location	Parameter	Trend	Confidence Limit	Test Type
010	3-1	Area A	PCE-Series Freon TF	No trend Decreasing	-- >95%	SK
016	3-2	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
032A/032B ¹	3-3	Area D	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
103	3-4	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
104	3-5	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
105	3-6	Area A (bedrock)	PCE-Series Freon TF	No trend No trend	-- --	MK
612	3-7	B/322	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
613	3-8	B/322	PCE-Series Freon TF	Insufficient Data	-- --	None
617	3-9	B/322	PCE-Series Freon TF	No trend No trend	-- --	SK
618	3-10	B/322	PCE-Series Freon TF	No trend No trend	-- --	SK
628 ²	3-13	Area B	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
714	3-11	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
716	3-12	Area A (bedrock)	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
943 ³	3-14	Area C (Landfill) (bedrock)	PCE-Series Freon TF	No trend No trend	-- --	MK
B/384 Sump ⁴	3-21	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
PW-1	3-15	Bedrock	PCE-Series Freon TF	Increasing Increasing	>95% >95%	SK
PW-2	3-16	Bedrock	PCE-Series Freon TF	Increasing No trend	>95% --	SK
PW-4 ⁵	3-17	Bedrock	PCE-Series Freon TF	Decreasing No Trend	>95% --	SK
PW-5/5A ⁶	3-18	Bedrock	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
PW-7 ⁶	3-19	Bedrock	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
PW-25	3-20	Bedrock	PCE-Series Freon TF	No trend Increasing	-- >95%	SK

Test Type: SK = Seasonal Kendall test

MK = Mann-Kendall test for trend with deseasonalized data, where possible.

1 - Trend is for the period 1995-2012. Well 032B replaced well 032A in September 2012.

2 - Area B well 628 replaced well 863 in October, 2003.

3 - Trend is for the period 1994-2012.

4 - Location designation 395. Trend is for the period 1993-2012.

5 - Trend is for the period 2002-2012; PW-25 began pumping in January, 2003.

6 - Trend is for the period October 2007-2012, after pumping was discontinued.

Note: PW-9, which is used for water supply emergencies only, does not have sufficient data to test for trend. Well 613 is used for emergencies only, and does not have sufficient data to test for trend.

3.2.1.2.2 Point-of-Compliance Wells

The results of the Seasonal Kendall Test for trend are shown on Table 3-3 for each POC well. The statistical outcomes shown on this table indicate statistically significant decreasing trends in PCE-series concentrations at soil monitoring well 990 and at bedrock monitoring well 987. The POC wells do not show any other statistically significant trends.

Table 3-3. Evaluations of Statistical Trends in Point-of-Compliance Wells 1990-2012					
Well	Figure No.	Location	Parameter	Trend	Confidence Limit
064	3-22	Area B	PCE-Series Freon TF	No trend No trend	-- --
065	3-23	Area B	PCE-Series Freon TF	No trend No trend	-- --
066	3-24	Area D	PCE-Series Freon TF	No trend No trend	-- --
067	3-25	Area D	PCE-Series Freon TF	No trend No trend	-- --
987	3-26	Southeast Quadrant	PCE-Series Freon TF	Decreasing No trend	>95% --
990	3-27	Southeast Quadrant	PCE-Series Freon TF	Decreasing No trend	>95% --
All wells are soil monitoring wells except wells 065 and 987.					

3.2.1.3 Changes in Water Quality at Corrective Action Monitoring Wells

As required by the Part 373 Permit, statistically significant changes in water quality at the designated Corrective Action Monitoring (CAM) wells (Appendix A, Table A-2) were determined using the Mann-Whitney Test (adjusted for seasonality) for changes in median concentrations of key compounds (PCE-series and Freon TF) over time. A statistically significant change was defined at a confidence limit of 90 percent or higher. This statistical evaluation was performed by grouping the PCE-series and Freon TF data (where appropriate) such that median of the most recent samples from each well was compared to the median of the older samples collected since 1990. For wells sampled semiannually, this means that the data for 2011-2012 was compared to the data for 1990-2008. For wells sampled quarterly or monthly, this means that the data for 2012 was compared to the data for 1990-2010. In this way, the median of at least four recent samples was compared to the median of all of the older samples. Table 3-4 summarizes the results of the Mann-Whitney tests for the CAM wells.

**Table 3-4. Statistical Evaluation of Changes in Water Quality at Corrective Action Monitoring Wells using the Mann-Whitney Test, adjusted for Seasonality
Evaluation Period: 1990-2012**

Key Compound: **PCE-Series**

Statistically Significant Change in Concentration: **Decrease**

Well	Location	Well	Location
015	Area A	706	Area A
016	Area A	714	Area A
032A/032B	Area D	720	Area A
046	Area B	739	Bedrock
048	Southeast Quadrant (Soil)	740	B/322
053	Area C (Landfill, Bedrock)	751	Area A
054	Area C (Landfill)	755	B/322
065	Area B	756	B/330
103	Area A	757	Area D
104	Area A	766	B/322
105	Bedrock	767	B/322
106	Bedrock	768	B/322
109	Bedrock	769	B/322
113	Bedrock	771	B/322
167	Bedrock	772	B/322
178	B/330	773	B/322
181	B/330	793	B/322
204	Area A	921	B/330
B/384 Sump	Area A (sample point 395)	922	B/330 (Bedrock)
559	Area C (Landfill, Bedrock)	923	B/330 (Bedrock)
561	Area C (Landfill)	932	Area C (Landfill, Bedrock)
563	Area C (Landfill, Bedrock)	943	Area C (Landfill)
609	B/330 (Bedrock)	959	B/322 (Bedrock)
610	B/330 (Bedrock)	960	B/322 (Bedrock)
611	B/322 (Bedrock)	987	Southeast Quadrant (Bedrock)
612	B/322	990	Southeast Quadrant
623	B/330 (Bedrock)	999	Area A
624	B/330 (Bedrock)	PW-4 ¹	Bedrock
628	Area B	PW-7 ²	Bedrock

**Table 3-4. Statistical Evaluation of Changes in Water Quality at Corrective Action Monitoring Wells using the Mann-Whitney Test, adjusted for Seasonality
Evaluation Period: 1990-2012**

Key Compound: **PCE-Series**

Statistically Significant Change in Concentration: **Increase**

Well	Location	Well	Location
064	Area B	941	B/330 (Bedrock)
143	B/330 (Bedrock)	953	B/330 (Bedrock)
564	Bedrock	954	B/330 (Bedrock)
579	B/322 (Bedrock)	956	B/330
617	B/322	965	B/330 (Bedrock)
622	B/330 (Bedrock)	966	B/330 (Bedrock)
716	Bedrock	999	Area A
929	B/330 (Bedrock)	PW-1	Bedrock
931	B/330 (Bedrock)	PW-2	Bedrock
		PW-23	Southeast Quadrant

Key Compound: **Freon TF**

Statistically Significant Change in Concentration: **Decrease**

Well	Location	Well	Location
010	Area A	769	B/322
053	Area C (Landfill, Bedrock)	921	B/330
609	B/330 (Bedrock)	929	B/330
735	B/322	931	B/330 (Bedrock)
740	B/322	932	Area C (Landfill, Bedrock)
768	B/322	953	B/330 (Bedrock)
		PW-4 ¹	Bedrock

Key Compound: **Freon TF**

Statistically Significant Change in Concentration: **Increase**

Well	Location	Well	Location
118	Area A (Bedrock)	923	B/330 (Bedrock)
178	B/330	941	B/330
576	B/330	960	B/322 (Bedrock)
622	B/330 (Bedrock)	PW-1	Bedrock
716	Bedrock	PW-2	Bedrock
739	Bedrock	PW-25	Bedrock
742	B/322 (Bedrock)		

1 – Statistical testing is for the period 2002-2012; PW-25 began pumping in January, 2003.

2 – Statistical testing is for the period October 2007-2012, after pumping was discontinued.

No other CAM wells exhibited statistically significant changes in water quality for the key compounds.

3.2.2 Quality Assurance/Quality Control Results

All GMP samples were collected in 2012 according to the procedures described in Section 2 of the GMP, except as noted in Section 3.1.1. The samples were analyzed by NYSDOH-certified laboratories using SW-846 and EPA methods for VOCs and inorganics. The 2012 field QA/QC chemistry data consists of duplicate samples, trip blanks, equipment rinse blanks, and field blanks. The duplicate samples are presented with the groundwater and production well analytical data in Appendices D and E. The trip, equipment rinse, and field blank results for all of 2012 are presented in Appendix F.

Laboratory precision was tested by filling multiple sampling containers from the same sampling device during each sampling round; these samples were then analyzed for the parameters of interest. Duplicate samples were generally collected once per 20 environmental samples from the groundwater monitoring wells and production wells. These duplicate sample results are indicated by the sample description “REPLICATE” in the analytical data printouts in Appendices D and E. The duplicate sample results are listed next to the corresponding primary sample results. In general, duplicate sample results are in good agreement and gross variations that would indicate serious analytical problems were not observed.

In addition to duplicate samples, trip blanks were prepared by the laboratory using analyte-free deionized (DI) water for each cooler containing VOC samples for each sampling round. The purpose of the trip blanks is to detect VOC contamination during sample transportation and storage. These trip blanks were the first items placed into each cooler by the laboratory and accompanied the empty sample containers from the laboratory to the field, and the filled sample containers from the field back to the laboratory. Environmental samples associated with each trip blank generally can be determined by the date of the trip blank (refer to “Sample Date” heading in Appendix F). 154 trip blanks were collected in 2012 as part of the Part 373 sampling program and supplemental sampling.

Acetone and PCE were detected in at least one trip blank at concentrations of less than 10 parts per billion. Acetone was detected 47 times at concentrations ranging from 0.98 to 9.0 $\mu\text{g/l}$. One trip blank contained PCE at a concentration of 0.2 $\mu\text{g/l}$.

Equipment rinse blanks were collected to confirm the efficiency of decontamination procedures for each sampling round by rinsing non-dedicated equipment with laboratory-supplied analyte-free DI

water. 142 rinse blanks were collected in 2012 from water level indicators and non-dedicated pumps. These results are also presented in Appendix F. Acetone was detected in 60 rinse blanks at concentrations less than 10 $\mu\text{g/l}$.

Although field blanks are not required by the GMP, they have been routinely collected since 2000. In 2012, 150 field blanks were collected by pouring analyte-free DI water from laboratory-prepared vials into empty VOC sample vials such that there was no headspace in the sample vials. The field blanks were analyzed for VOCs and serve to detect potential contamination from ambient air during sample collection procedures. PCE was detected once at a concentration of 0.3 $\mu\text{g/l}$. Acetone was detected 59 times at concentrations ranging from 0.98 to 8.8 $\mu\text{g/l}$.

Considering that acetone is commonly used by analytical laboratories, the relatively high number of detections of this parameter in trip, equipment, and field blanks suggests that a low-level systematic contamination or laboratory bias may have affected all three types of QA/QC samples. Associated data was qualified as appropriate. Overall, the equipment rinse blank and field blank results do not suggest serious problems with field decontamination procedures.

4 CORRECTIVE MEASURES

Activities associated with the corrective action program at IBMEF are summarized in the following subsections.

4.1 Program Activities

This section discusses ongoing corrective measures activities performed throughout 2012, including groundwater pumping and treatment, and production well and treatment system maintenance.

4.1.1 Groundwater Pumping and Collection Operations

The Corrective Measures Program involves the operation of five groundwater collection and treatment systems and the monitoring of a landfill that was remediated in the 1980s. The groundwater collection and treatment systems are referred to as the Central Carbon, Area A, Area B, Area D, and B/322 systems and are described in Section 4.1.3. The Central Carbon System (CCS) treats groundwater from bedrock production wells PW-1, -2, -4, -23 and -25. PW-6 was pumped briefly in July and August during water supply emergencies related to problems with the off-site well fields; it was not pumped for significant periods during the rest of the year. For the remainder of 2012, PW-5/5A, PW-6 and PW-7 were pumped only to collect groundwater samples as part of the production well rebalancing plan. The Areas A, B, D, and B/322 treatment systems operate in shallow remediation areas. Chemistry data for the bedrock production wells is presented in Appendix E, and chemistry data for the groundwater collection and treatment systems is presented in Appendix G.

During 2012, Main Site production wells PW-1, -2, -4, -23, and -25 were operated as groundwater withdrawal wells for the site's corrective measures program. In addition to supplementing the site's water supply, the purpose of the production well system on the Main Site is to control and contain the bedrock groundwater plumes. Contaminated groundwater from deep bedrock production wells PW-1 and -4, from shallow bedrock production well PW-23, and from PW-5/5A, -6, -7, and -9 (when operating), is pumped through trains #1, #2 and #3 of the CCS in B/316 and is treated for process water use. Trains #1, #2 and #3 operate in parallel and are separate from the other CCS trains. Contaminated groundwater from deep bedrock production well PW-2, which generally exhibits higher concentrations than the other production wells, is pumped through a separate granular activated carbon (GAC) train located in B/316. From January 1, 2012 to September 10,

2012, discharge from the PW-2 GAC train was run through trains #1, #2 and #3 of the CCS. Groundwater from PW-25 is treated by a train #4 of the CCS at B/316. In 2012 all water treated by the B/316 GAC systems was used as process water. CCS-treated water may be discharged to the Industrial Waste Treatment Facility or to surface water under a SPDES permit. Pumping data for the shallow remediation areas and Main Site deep bedrock production wells is presented in Table 4-1.

Table 4-1. 2012 Pumping Volumes		
Remediation Area or Well	Gallons Pumped	Average 2012 Flow Rate (GPM)
PW-1	100,098,651	190
PW-2	53,341,580	101
PW-4	70,510,454	134
PW-5/5A*	282,045	0.5
PW-6*	939,824	1.8
PW-7*	187,923	0.4
PW-25	118,432,429	225
Area A	255,641	0.5
Area B	5,342,950	10.1
Area D	2,185,163	4.1
B/322 (612, 613, 617, 618)	5,156,199	9.8
Southeast Quadrant (PW-23)	3,840,563	7.3
Total	360,573,422	685
Pumping volumes are not shown for PW-9, which was not pumped.		
*Pumps operated for purging and sampling purposes only, except as noted in Section 4.1.1		

Production wells PW-1, -2, -4, -23, and -25 generally operated continuously throughout 2012 except for periods of maintenance. PW-5/5A, PW-6 and PW-7 pumped during several short water supply emergencies but otherwise have been pumped for sampling purposes only since they were shut down on October 22, 2007 as part of the production well rebalancing plan. PW-9 is only used during water supply emergencies and was not pumped during 2012.

4.1.2 Contaminant Removal

Contaminant mass removal was calculated for 2012 using annual median concentration data, together with annual pumping volumes for each shallow remediation area and bedrock production well. Table 4-2 shows that approximately 55 pounds of VOCs were recovered during 2012 from nearly 17 million gallons of extracted groundwater in shallow remediation Areas A, B, and D, plus B/322 (wells 612, 617, 618), and Southeast Quadrant shallow bedrock production well PW-23.

Virtually all of the VOC mass recovered in 2012 from the shallow remediation areas came from Area A. The mass recovered from Area B, Area D, B/322, and PW-23 was less than one-tenth of a pound for each remediation area.

Table 4-2. 2012 Contaminant Recovery Levels Shallow Remediation Areas (lbs)					
Area (Well)	CIS	Freon TF	PCE	TCE	Total by Area
Area A	0.26	0.0	53	1.5	55
Area B	0.0	0.0	0.023	0.0	0.023
Area D	0.012	0.0	0.018	0.042	0.072
B/322 (612, 613, 617, 618)	0.0010	0.0	0.011	0.0026	0.015
SEQ (PW-23)	0.0	0.0	0.0	0.043	0.043
Total by Compound	0.27	0.0	53	1.5	55*

*Total pounds removed is the sum of the mass removed by area. This number may not match the sum of the mass removed by compound because of rounding. All calculations are reported to two significant figures.

Table 4-3 shows the contaminant recovery levels for the deep bedrock production well system. Approximately 4.4 tons of VOCs were recovered during 2012 from approximately 344 million gallons of groundwater extracted from the deep bedrock. As was the case in previous years, most of the VOC mass removed from the deep bedrock groundwater system (89 percent) came from production well PW-2. A significant fraction of the VOC mass (nearly 10 percent) was removed by production well PW-25.

Table 4-3. 2012 Contaminant Recovery Levels Deep Bedrock Production Wells (lbs)					
Well	CIS	Freon TF	PCE	TCE	Total by Well
PW-1	1.6	2.5	18	7.1	29
PW-2	620	110	6,500	620	7,900
PW-4	2.3	1.8	71	21	96
PW-5/5A	0.0	0.0	0.0	0.0	0.0
PW-6	0.0	0.0	0.0	0.0	0.0
PW-7	0.0028	0.0	0.0077	0.0032	0.014
PW-25	52	19	620	160	850
Total by Compound	680	130	7,200	810	8,800*

*Total pounds removed is the sum of the mass removed by well. This number may not match the sum of the mass removed by compound because of rounding. All calculations are reported to two significant figures.

4.1.3 Groundwater Treatment System Operations

Appendix G presents analytical data for 2012 relating to the efficiency of the groundwater recovery and treatment systems for Area A, Area B, the Deep Bedrock production wells and PW-23 (SEQ AOC), and for groundwater recovery from Area D and the B/322 AOC. Treatment efficiency and maintenance issues are discussed below.

4.1.3.1 Area A

Treatment efficiency at Area A is calculated from monthly samples collected from the B/384 Sump (sample point 395), from the influent storage tank (sample point 395A), and from the effluent from the stripping tower (sample point 395B). Total VOCs concentrations in the B/384 Sump and the influent storage tank typically range from 15,000 to 30,000 $\mu\text{g/l}$. Results for these sampling points are presented in Appendix G and indicate removal efficiency, based on the ratio of influent (395A) to effluent (395B) concentrations, was greater than 99 percent in 2012. The average flow rate was 0.5 gpm.

4.1.3.2 Area B

Treatment efficiency for Area B is calculated from monthly samples collected from the influent (well 628), from between the GAC units (sample location 628B), and from the effluent from the lag GAC unit (sample location 628A). Results for these sampling points are presented in Appendix G and indicate typical removal efficiency, based on the ratio of influent to effluent concentrations, was greater than 99 percent in 2012. Total VOC influent concentrations at Area B ranged from 0.4 to 0.9 $\mu\text{g/l}$. The average flow rate was 10.1 gpm.

4.1.3.3 Area D

Effluent from well 032A and replacement well 032B is pumped to the site's Water Pollution Control Facility (WPCF). The average flow rate in 2012 was approximately 4.1 gpm. Groundwater concentrations at the sampling port of groundwater extraction wells 032A and 032B ranged from 1.6 to 3.5 $\mu\text{g/l}$ for TCE, and were less than 2.0 $\mu\text{g/l}$ for PCE and less than 1.0 $\mu\text{g/l}$ for CIS. Influent chemistry data for Area D is presented in Appendix G.

4.1.3.4 B/322 AOC

The B/322 remediation system started up in January 2000 and pumps from extraction wells 612, 613, 617 and 618 to a small pump house whereby the extracted water is discharged to the WPCF. Well 613 is a backup well that was not pumped for a significant period in 2012.

The monthly analytical data for extraction wells 612, 617, and 618, and for the combined discharge from the B/322 containment system (sample location 360) are presented for January through December 2012 in Appendix G. The total VOC concentration in the combined discharge ranged from not detected to 0.6 $\mu\text{g/l}$ in 2012. The average combined flow rate for wells 612, 617, and 618 was 9.8 gpm in 2012.

4.1.3.5 Central Carbon System, PW-2, and PW-25

Treatment efficiency for the Central Carbon System (CCS), which normally handles the discharge from production wells PW-1, -4, -5/5A, -6, -7, -9, and -23, is determined from monthly samples collected from the blended influent to the CCS (location 500), from between the lead and lag carbon beds (locations 511-513) for GAC trains 1, 2, and 3, and from the blended effluent from the CCS (location 555). In 2012, the average flow rate for the CCS influent was approximately 330 gpm, and total VOCs ranged from approximately 30 $\mu\text{g/l}$ to 110 $\mu\text{g/l}$. From January 1, 2012 through September 10, 2012, the CCS also handled the discharge of the PW-2 GAC effluent (location 080). The PW-2 effluent joins CCS downstream from the blended influent but before the lead carbon beds; therefore, location 080 data was used to calculate CCS removal efficiency prior to September 10, 2012. Data for these sampling points is presented in Appendix G.

Treatment efficiency for the production well PW-2 treatment system, when operated separately from the CCS, is determined from sampling of PW-2, from between the lead and lag carbon beds of the PW-2 GAC train (sample point 221), and from the effluent of the PW-2 GAC train (sample point 080). The 2012 average flow rate for PW-2 was approximately 100 gpm, and total VOCs ranged from 15,000 $\mu\text{g/l}$ to 20,000 $\mu\text{g/l}$. Data for production well PW-2 is presented in Appendix E. Data for sampling points 221 and 080 is presented in Appendix G.

Treatment efficiency for the PW-25 treatment system, which is also separate from the CCS, is determined from sampling of PW-25, from between the lead and lag carbon beds of the PW-25 GAC train (sample point 514), and from the effluent of the PW-25 GAC train (sample point 524).

The 2012 average flow rate for PW-25 was 225 gpm, and total VOCs were between 700 $\mu\text{g/l}$ and 1,000 $\mu\text{g/l}$. Data for sampling points 514 and 524 is presented in Appendix G.

Results for the sampling points in the CCS indicate removal efficiency, based on the ratio of influent (locations 500 and 080) to effluent (location 555) concentrations, is typically greater than 95 percent for the CCS. Treatment efficiency of the PW-2 train prior to discharging to the CCS or to the process water system was greater than 99 percent. Treatment efficiency for the PW-25 train is typically greater than 99 percent. In 2012, discharge from the PW-25 treatment system and the CCS was used for process water purposes, eventually discharging to surface water under permit via the Industrial Waste Treatment Facility.

4.1.4 Groundwater Treatment System and Production Well Maintenance

The following groundwater treatment system and production well maintenance activities were performed in 2012:

1. The pump and motor were replaced in B/322 remediation system well 618 on March 5, June 22, September 19, October 24 and December 19, 2012. The level sensor in well 618 was replaced in early August. Well development work was performed in late October to help minimize pump biofouling.
2. A new pump, motor, and level detector were installed at well 617 on November 19, 2012. The level sensor at well 617 was also replaced in March and December 2012.
3. The pump and motor of B/322 well 612 was replaced on March 6 and December 21, 2012. The level sensor in well 612 was replaced in early August.
4. PW-1 was off-line from March 28 to April 16, 2012 for replacement of a failed pump and motor, and replacement of a leaking column pipe. A new check valve was also installed at this time. The well was also off-line from April 20 to April 26 for repairs to a leaking discharge pipe adjacent to the PW-1 pump house.

4.2 Other Activities and Issues

This section addresses activities undertaken in 2012 that relate to the groundwater monitoring program at IBMEF. Activities planned for 2013 are also discussed.

4.2.1 Groundwater Well Installation and Maintenance Activities Performed in 2012

A well inventory was performed in the first and second quarters of 2012. During this inventory, the depth to bottom was measured to check for siltation in all Hydraulic Effectiveness Monitoring wells (Appendix A, Table A-1), including wells in the Corrective Action Performance Monitoring Network (Appendix A, Table A-2). Wells were inspected for damage and for the condition of the protective casings. Wells were also checked for the presence and condition of locks, identification tags, survey marks, sanitary seals, and caps. Follow-up work such as well development, painting and repair of protective casings, well seals, and locks was performed as required. As discussed in Section 4.2.5, replacement extraction well 032B was placed online in Area D, and former extraction well 032A was abandoned.

4.2.2 Production Well Rebalancing

In 2007, IBM began implementing a plan to rebalance the on-site production well operations in order to optimize VOC mass recovery and containment. The first step in this plan commenced in October 2007, with the availability of municipal water, and consisted of the termination of pumping at PW-5/5A, PW-6, and PW-7 for a trial period of one year. Pumping at these wells was terminated on October 22, 2007, and the wells will continue to be maintained in an operational condition until completion of the test plan and final data analysis. The post-shutdown monitoring plan involved collection of groundwater elevation and chemistry samples at intervals of one week, one month, three months, six months, and twelve months after shutdown. A summary report⁹ was submitted to NYSDEC during the first quarter of 2008 describing the first three months of shutdown activities. A second report submitted in the third quarter 2008 following the six month post-termination data collection¹⁰. In 2012, IBM has continued monitoring the post-shutdown bedrock groundwater potentiometric surface (Plate 3, 3a, 3b, 3c). Groundwater sampling has continued at all CAP wells listed in Appendix A-3 and at three non-CAP wells (Appendix D). A comprehensive report will be submitted following final data analysis.

⁹ IBM Environmental Engineering and Groundwater Sciences Corporation, February 29, 2008, *Field Observation of Alternate Groundwater Extraction Operations: Three Month Data Summary*.

¹⁰ IBM Environmental Engineering and Groundwater Sciences Corporation, July 18, 2008, *Field Observation of Alternate Groundwater Extraction Operations: Six Month Data Summary*.

4.2.3 B/330D IW and Sanitary Line Investigation

In 2009, sampling of the B/330D industrial waste (IW) and sanitary lift stations revealed low levels of PCE. IBM informed NYSDEC of the B/330D lift station results via teleconference and a letter in 2009.

One potential source was a condensate lift station located on the east side of B/330D where elevated levels of PCE were detected. An abandoned, below ground B/335 drain line connected to a B/330D condensate lift station contained groundwater contaminated with PCE. This ductile iron pipe was disconnected from the condensate lift station and capped in February 2010.

Another potential source of PCE was the B/330D original under slab gravity IW system which was no longer in use but connected to the currently used overhead drain system on the west side of B/330D. It was suspected that contaminated groundwater or vapors were entering the IW system through this connection. The overhead drain system was disconnected from the under slab system in December 2009. Elevated levels of PCE continued to be detected in the B/330D IW lift station after this work was completed.

IBM continues to monitor PCE in the IW and sanitary lift station to determine whether there is a correlation between PCE levels and the operation of the B/330D subslab vapor extraction system which was placed on-line at the end of 2010.

4.2.4 VOC Source Assessment RCRA Facility Investigation (RFI)

A site-wide RFI for source investigation beneath buildings is being conducted at the request of NYSDEC and NYSDOH. Work continued in 2012 in accordance with the final work plan approved in July 2009¹¹ by the Agencies. Based on the results of sampling, the Agencies have agreed that further assessment is not required for eight out of thirteen buildings subject to evaluation. The status of the other buildings is pending, as described in the March 13, 2013 letter from the Agencies to IBM¹².

¹¹ NYSDEC to IBM Environmental Engineering, July 10, 2009, *Approval of RFI Work Plan, VOC Source Assessment*.

¹² NYSDEC to IBM Environmental Engineering, March 13, 2013, *Status Report on RFI Work Plan Implementation*.

A subslab vapor extraction system was completed in B/330D in 2010 and is performing as designed, according to the performance report submitted to the Agencies in December 2011¹³. A second subslab vapor extraction system was completed in B/310 in 2012 and began operating in February 2012. That system is also performing in accordance with expectations, as described in the B/310 performance report submitted to the Agencies on May 20, 2013¹⁴.

4.2.5 GW-032A Replacement Project

The pump in Area D recovery well 032A failed in early June 2010. The pump was removed from the well and replaced on June 15, 2010, and the well was returned to service. Subsequent investigation found an apparent break in the well screen near the bottom of the well. IBM determined that replacement of the well was necessary, and on April 25, 2011 IBM submitted a work plan to NYSDEC entitled “Work Plan for Recovery Well GW-032A Replacement, Remediation Area D”¹⁵. This work plan was approved by NYSDEC on May 3, 2011¹⁶. On June 14, 2011 a replacement extraction well, 032B, was installed. Development and pump testing were completed by the mid-July, and a summary report was sent to NYSDEC on September 12, 2011¹⁷. NYSDEC approved 032B as a suitable replacement for 032A on July 19, 2012¹⁸. A pump, level transducer and related equipment were installed in well 032B, and the extraction well was activated on September 13, 2012. Damaged former extraction well 032A was abandoned on October 19, 2012. The activation and well abandonment activities were reported to NYSDEC on November 14, 2012¹⁹. NYSDEC subsequently approved these final work plan activities²⁰, and the project is

¹³ IBM Environmental Engineering to NYSDEC, December 22, 2011, *Performance Monitoring and Confirmatory Sampling Results Building 330D, VOC Source Assessment*.

¹⁴ IBM Environmental Engineering to NYSDEC, May 20, 2013, *Performance Monitoring and Confirmatory Sampling Results Building 310 VOC Source Assessment*.

¹⁵ IBM Environmental Engineering to NYSDEC, June 25, 2011, *Work Plan for Recovery Well GW-032A Replacement, Remediation Area D*.

¹⁶ NYSDEC to IBM Environmental Engineering, May 3, 2011, *Response to Work Plan, Recovery Well GW-032A Replacement*.

¹⁷ IBM Environmental Engineering to NYSDEC, September 12, 2011, *Report of Findings: Installation and Testing of Replacement Well GW-032B, Remediation Area D*.

¹⁸ NYSDEC to IBM Environmental Engineering, July 19, 2012, *Response to Report of Findings: Installation and Testing of Replacement Well GW-032B, Remediation Area D*.

¹⁹ IBM Environmental Engineering to NYSDEC November 14, 2012, *Activation of GW-032B and Decommissioning of GW-032A in Remediation Area D*.

²⁰ NYSDEC to IBM Environmental Engineering January 2, 2013, *Response to Activation of GW-032B and Decommissioning of GW-032A in Remediation Area D*
 2012 Annual Corrective Action Status Report

considered complete. Through the end of 2012, extraction well 032B pumped approximately 1.3 million gallons of water, at an average rate of 8.4 gpm.

4.2.6 Chloroform Detections in Groundwater

Municipal water from the Poughkeepsies' Water Treatment Facility via the Central Dutchess Water Transmission Line has been the site's potable water source since August 2007. Periodically, IBM conducts flushing of the water supply lines, discharging water with NYSDEC approval to the site storm drains after the water has been dechlorinated. Chloroform has been detected in several groundwater wells near the discharge sites, most notably near Area B extraction well 628, near the site of the potable water influent storage tanks. In 2011, IBM discovered a break in a municipal water supply line near well 720, which showed chloroform levels consistent with the municipal water supply. The line was replaced in March and April 2012 and was placed back into service on April 28, 2012. Table 4-4 lists the chloroform detections greater than 1 $\mu\text{g/l}$ in groundwater monitoring wells and the Area B extraction well. The concentrations in Table 4-4 are consistent with levels found in the potable water supply. Chloroform is not a parameter of concern on the site, and the listed concentrations are not included in any calculations or summaries in other sections of this report. IBM will continue to monitor chloroform results in groundwater.

Table 4-4. 2012 Chloroform Detections in Groundwater

Well	Sample Description	Sample Date	Laboratory Sample I.D.	Chloroform (µg/l)
046	Groundwater	3/13/12	R1201654-005	5.3
046	Groundwater	9/19/12	R1206286-005	4.6
064	Groundwater	1/11/12	R1200221-005	1.1
064	Groundwater	4/12/12	R1202352-008	1.5
064	Groundwater	7/12/12	R1204510-004	2.0
571	Groundwater	7/9/12	R1204353-005	2.8
571	Replicate	7/9/12	R1204353-006	2.7
571	Groundwater	10/16/12	R1207070-008	2.9
606	Groundwater	6/19/12	R1203916-006	2.4
606	Groundwater	12/18/12	R1208675-004	7.4
628	Groundwater	4/2/12	R1202043-009	2.7
628	Groundwater	5/1/12	R1202749-004	1.7
628	Replicate	5/1/12	R1202749-005	1.7
628	Groundwater	6/5/12	R1203600-011	2.8
628	Groundwater	7/2/12	R1204226-010	5.4
628	Replicate	7/2/12	R1204226-011	5.5
628	Groundwater	8/6/12	R1205058-007	3.4
628	Replicate	8/6/12	R1205058-008	3.5
628	Groundwater	9/4/12	R1205803-010	3.3
628	Groundwater	10/1/12	R1206588-006	2.7
628	Groundwater	11/5/12	R1207575-010	3.8
628	Groundwater	12/5/12	R1208332-009	6.7
640	Groundwater	4/10/12	R1202261-004	1.4
640	Groundwater	7/11/12	R1204462-004	1.5
720	Groundwater	5/14/12	R1203070-005	18
720	Groundwater	9/27/12	R1206540-006	17
732	Groundwater	5/11/12	R1203062-005	5.8
744	Groundwater	1/18/12	R1200376-008	1.6
779	Groundwater	2/16/12	R1201098-005	3.1
779	Groundwater	8/9/12	R1205244-005	2.8
832	Groundwater	7/9/12	R1204353-004	1.5
832	Groundwater	10/16/12	R1207070-007	1.9

4.2.7 Well Installation and Maintenance Activities Planned for 2013

IBM plans to continue its annual inventory of monitoring wells, repairing wells as necessary.

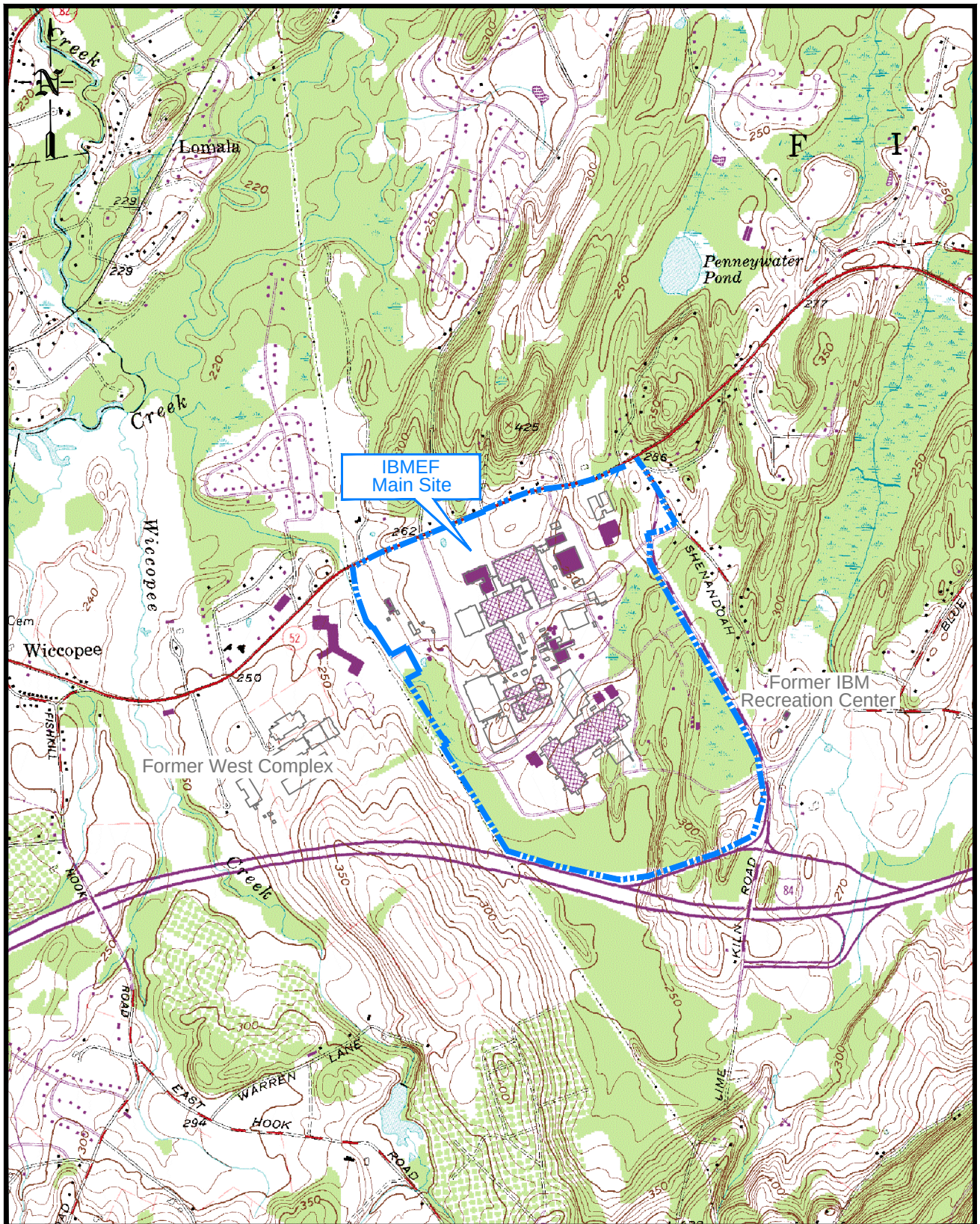
4.3 Evaluation of Progress

This section summarizes the progress to date regarding corrective measures at IBMEF, including groundwater withdrawal and treatment, hydraulic control of groundwater flow, and detection trends in site groundwater.

PW-1, -2, -4, -23, and -25 pumped nearly continuously throughout 2012. Hydraulic control and capture of the dissolved VOC plume in the bedrock groundwater system is being maintained by the operation of the groundwater production wells, as illustrated on Plates 3, 3a, 3b, and 3c. The potentiometric surface shown on these plates illustrates how hydraulic control and capture of the dissolved VOC plume in the bedrock groundwater system has been maintained following production well rebalancing. The nearly continuous operation of extraction wells in the shallow remediation areas and the deep bedrock ensured that groundwater exceeding the NYSGQS did not leave the site boundary.

Treatment of groundwater by the Area A, Area B, and Central Carbon/PW-2/PW-25 treatment systems and extraction of groundwater by the Area D and B/322 remediation systems continued throughout the year. GAC-treated groundwater from the B/316 carbon systems was used as process water. In 2012, approximately 8,900 pounds of VOCs were removed from approximately 361 million gallons of groundwater pumped from the shallow soil and deep bedrock remediation areas. Since 1979, approximately 156 tons of VOCs have been removed from approximately 12.3 billion gallons of extracted groundwater.

Groundwater sampling activities will continue in 2013 at 179 monitoring wells and sampling points listed in the Groundwater Monitoring Plan and groundwater elevations will be measured quarterly at 392 HEM wells.

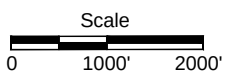


Portion of the Hopewell Junction, NY
7.5-minute USGS Quadrangle
(1957, Photorevised 1981)

Figure 1-1



Site Location Map



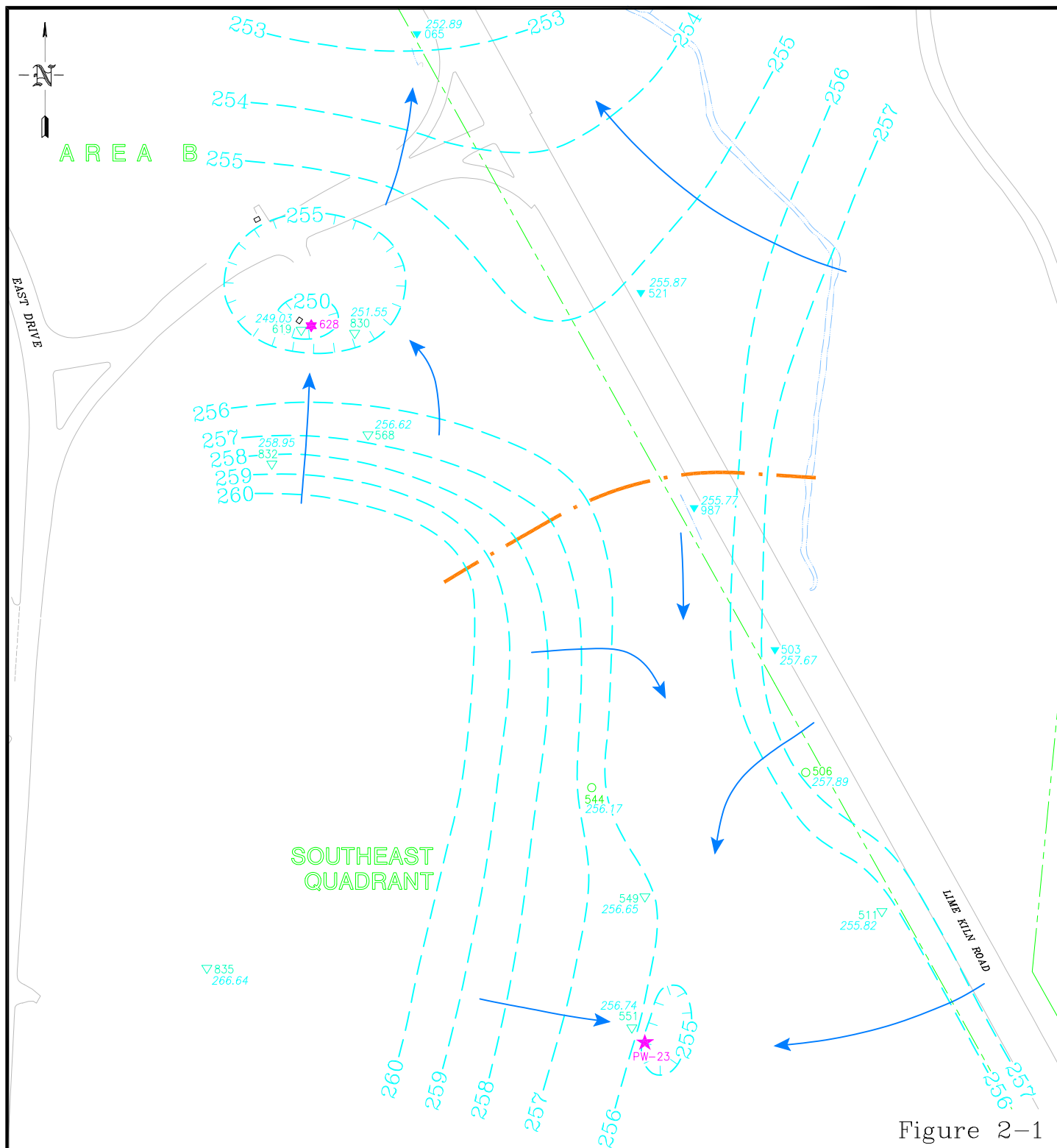


Figure 2-1



Shallow Bedrock Potentiometric Contours August 30-31, 2012

DRAWN BY: *MLM* DATE: *4/18/13*

DRAWING NO.

CHECKED & APPROVED BY: *CEJ*

95007-025-K



GROUNDWATER SCIENCES CORPORATION

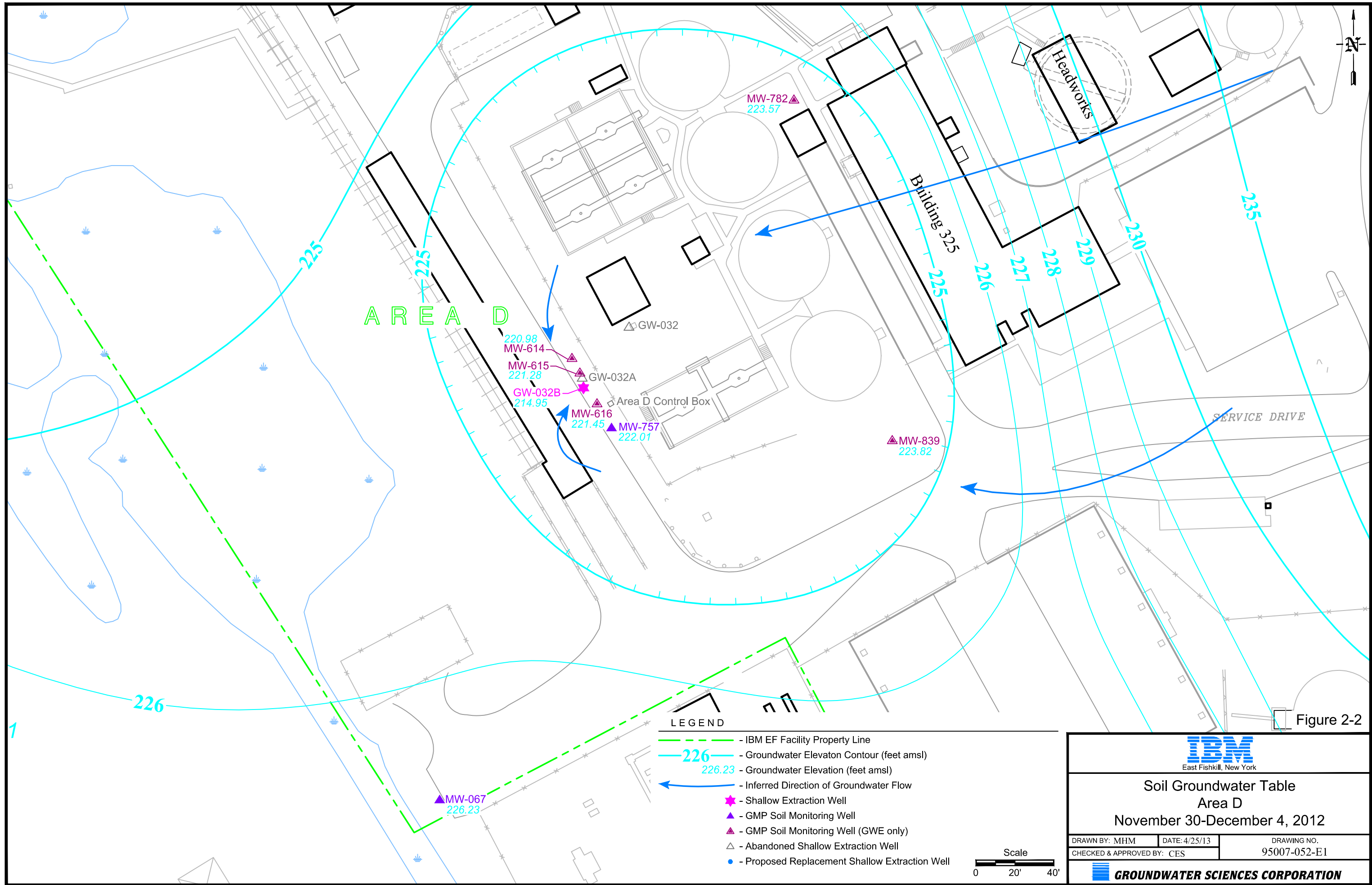


Figure 2-2



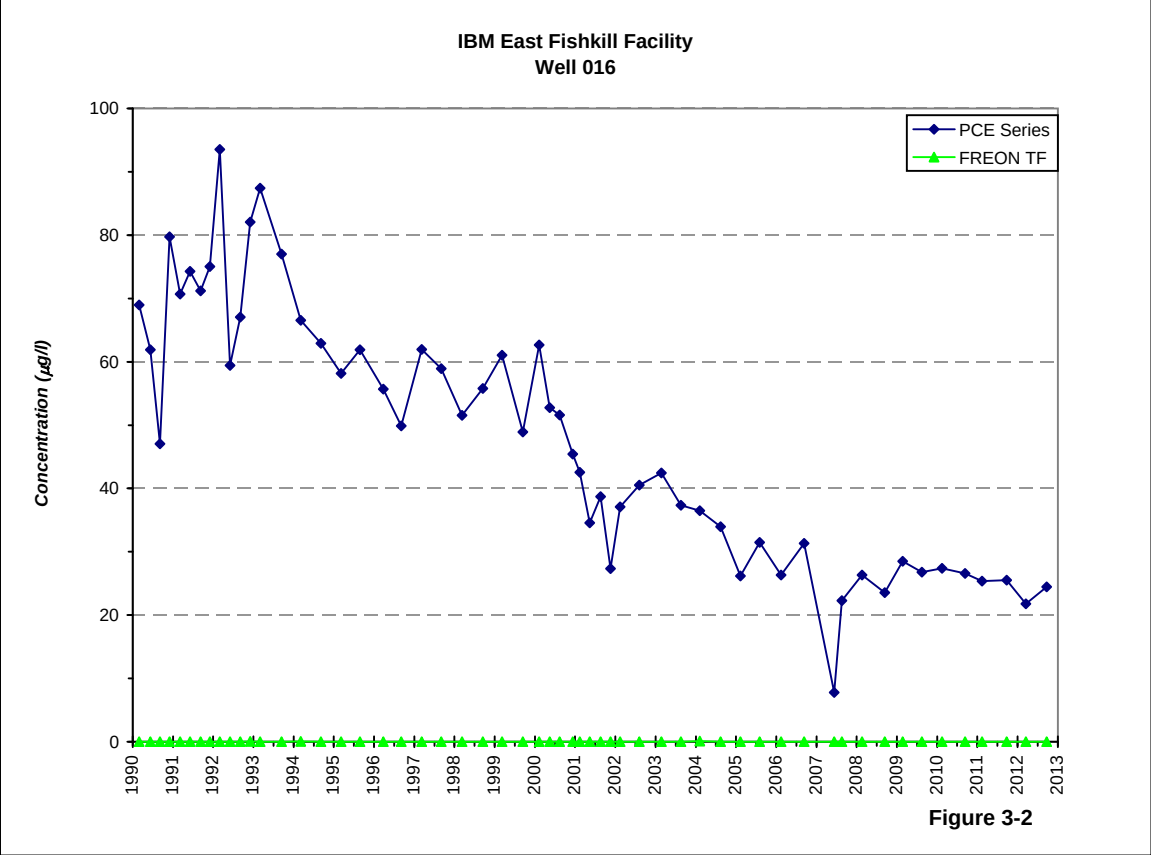
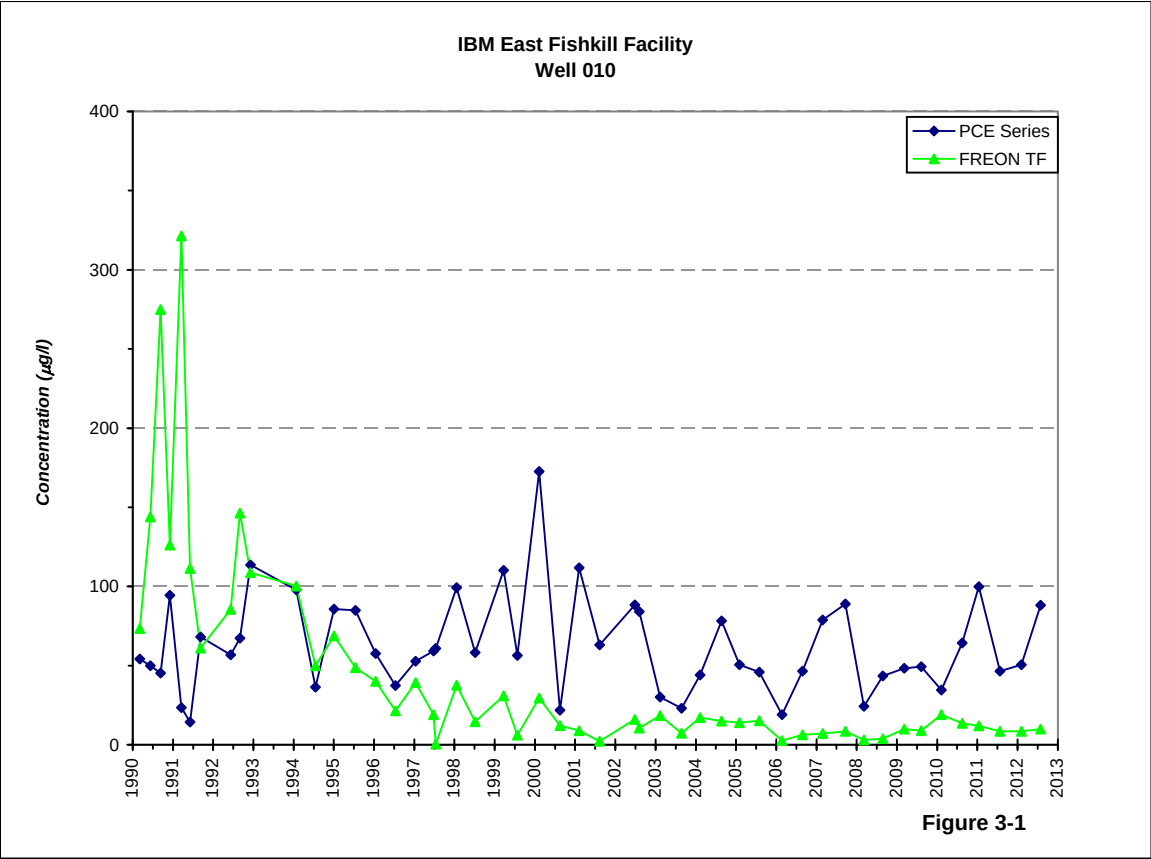
East Fishkill, New York

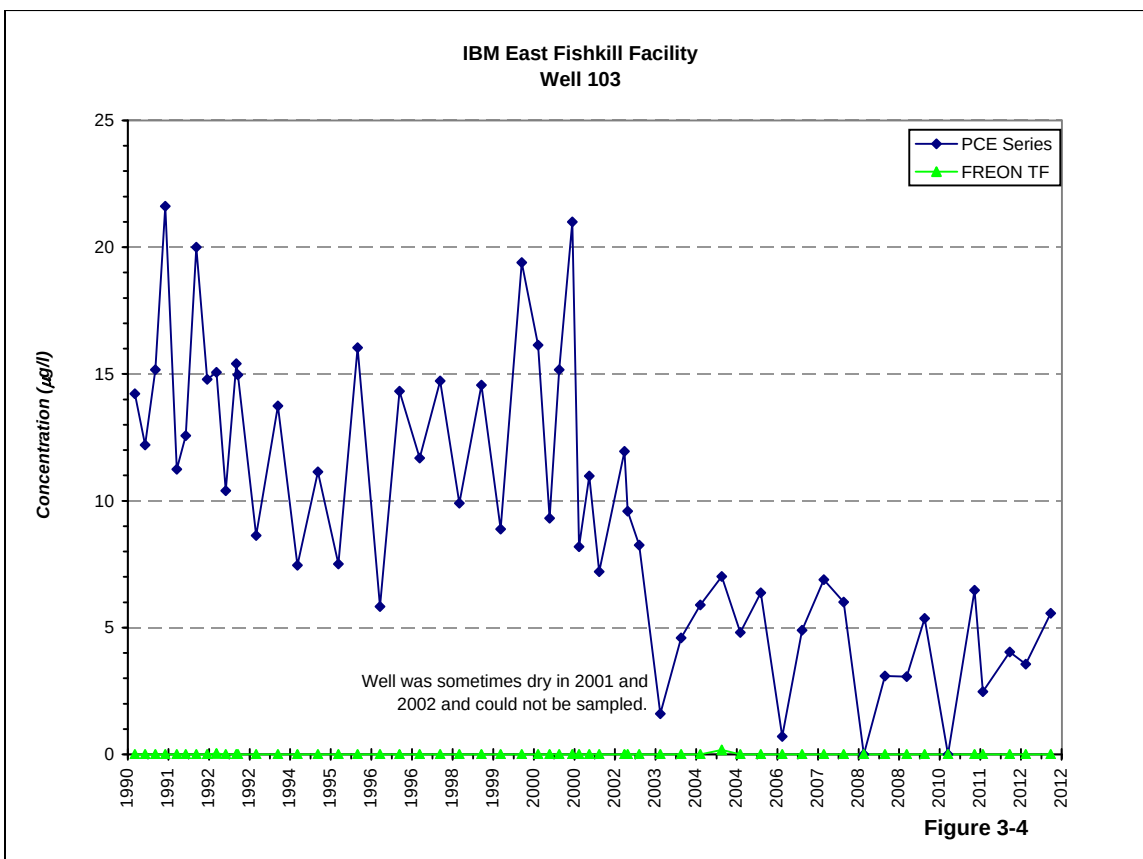
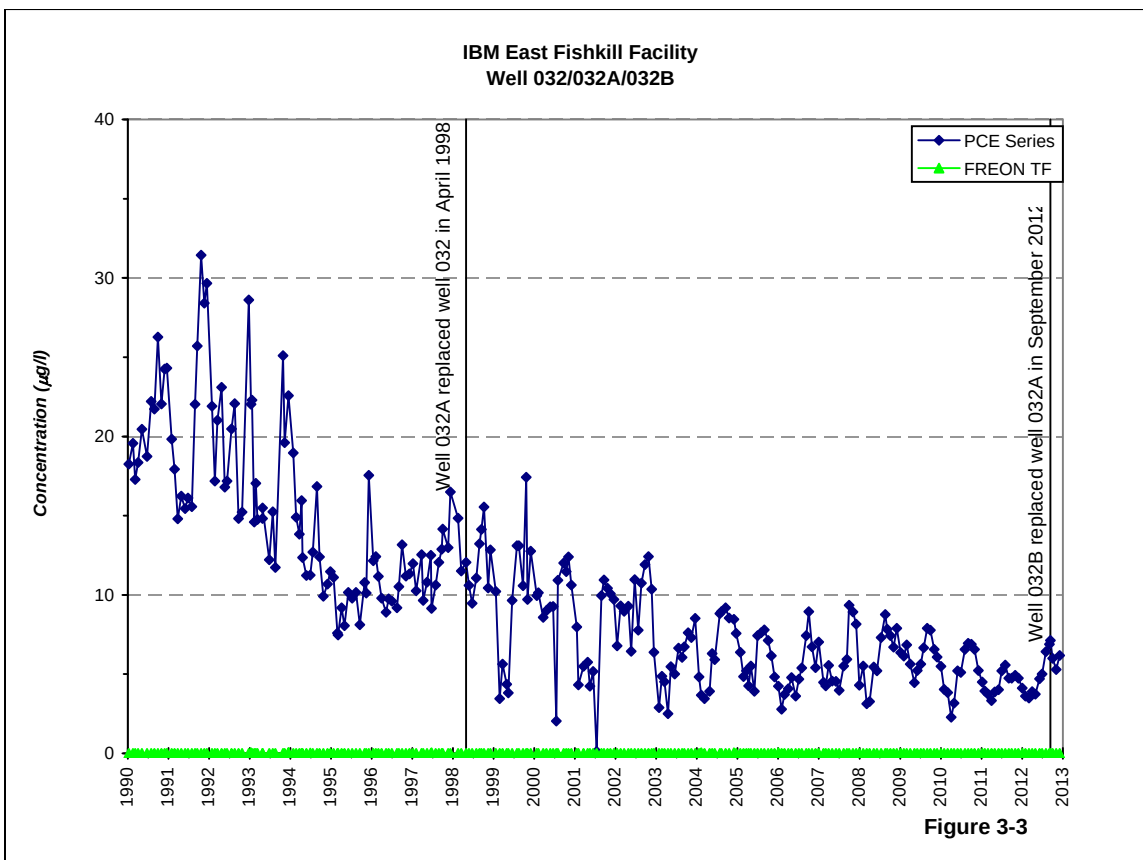
Soil Groundwater Table
Area D
November 30-December 4, 2012

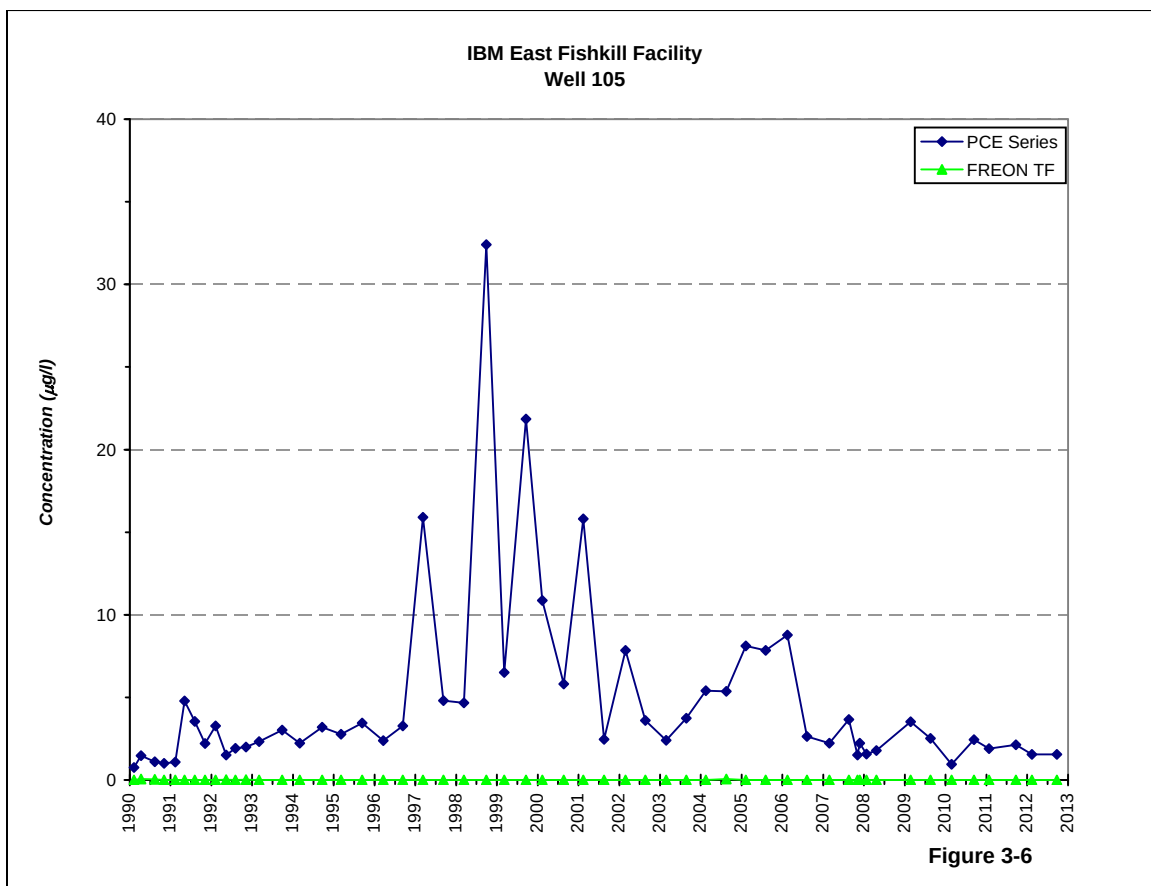
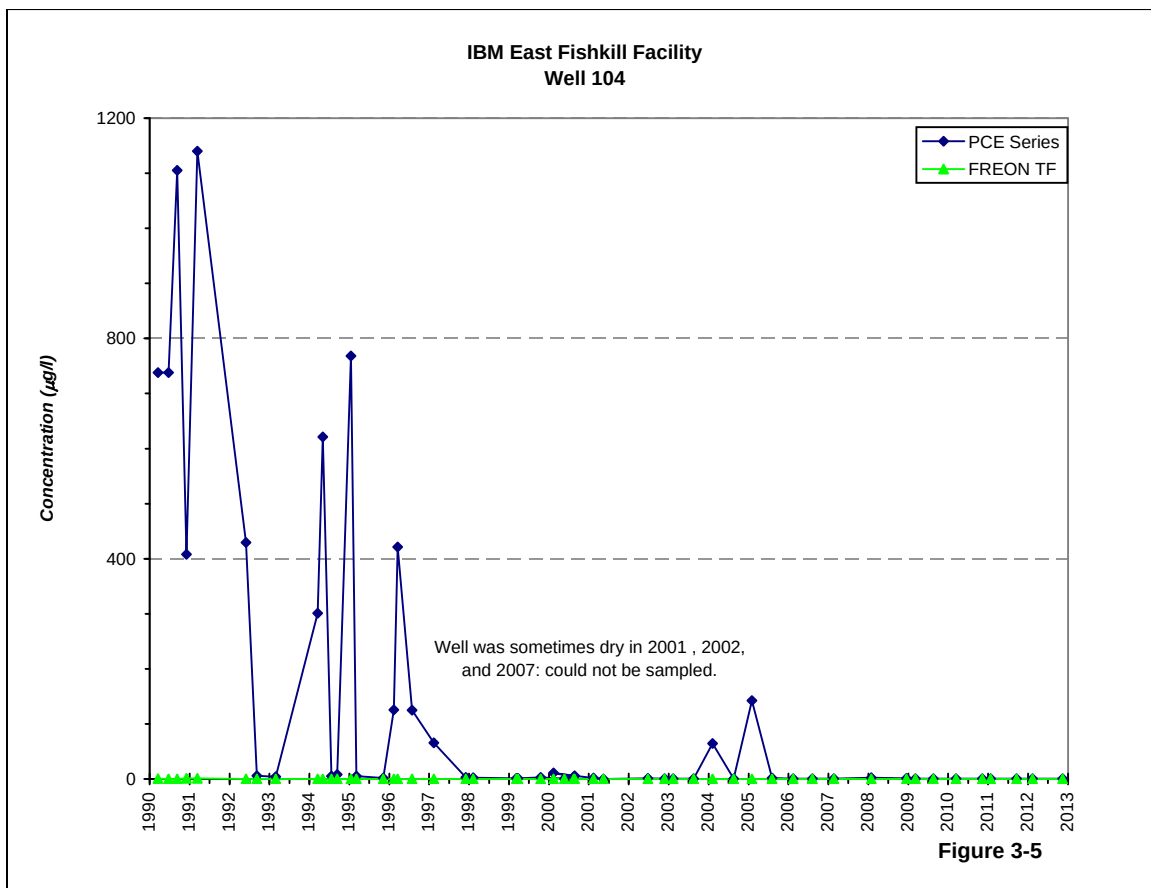
DRAWN BY: MHM	DATE: 4/25/13	DRAWING NO.
CHECKED & APPROVED BY: CES		95007-052-E1

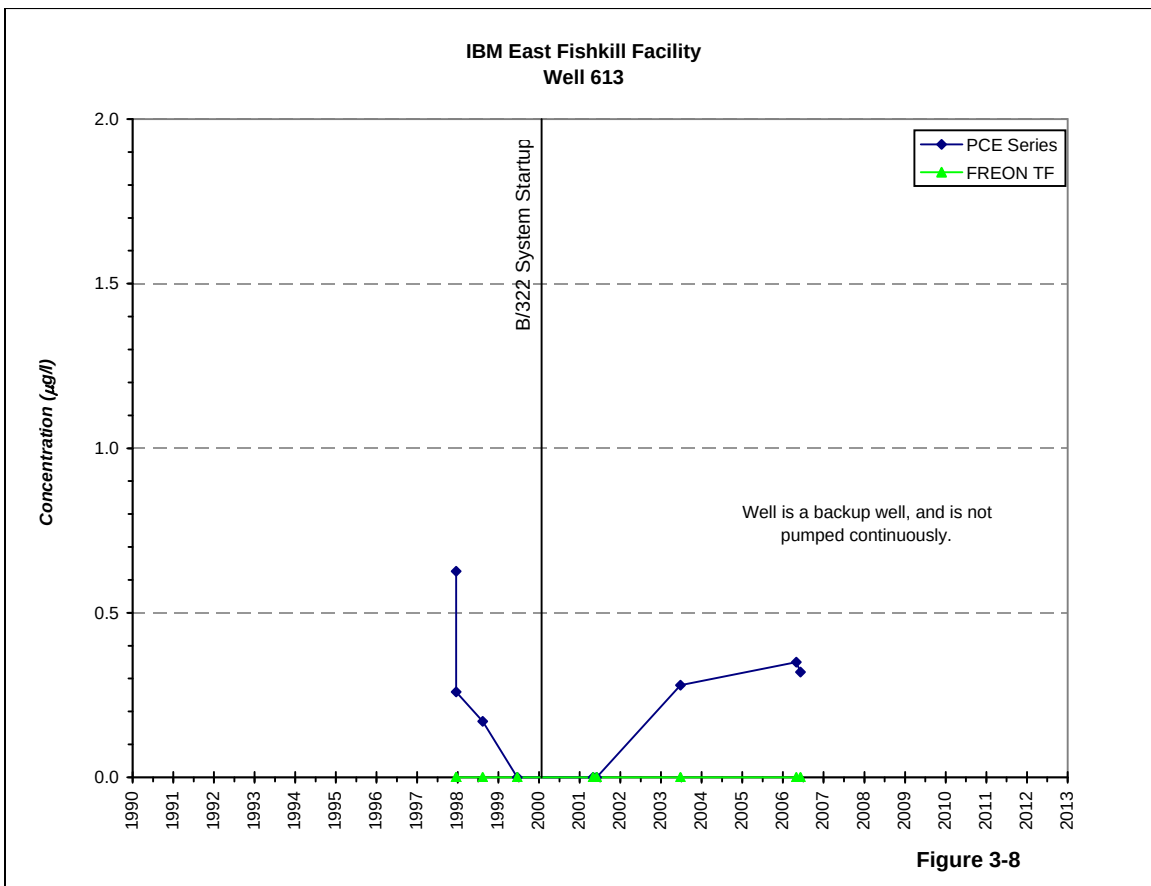
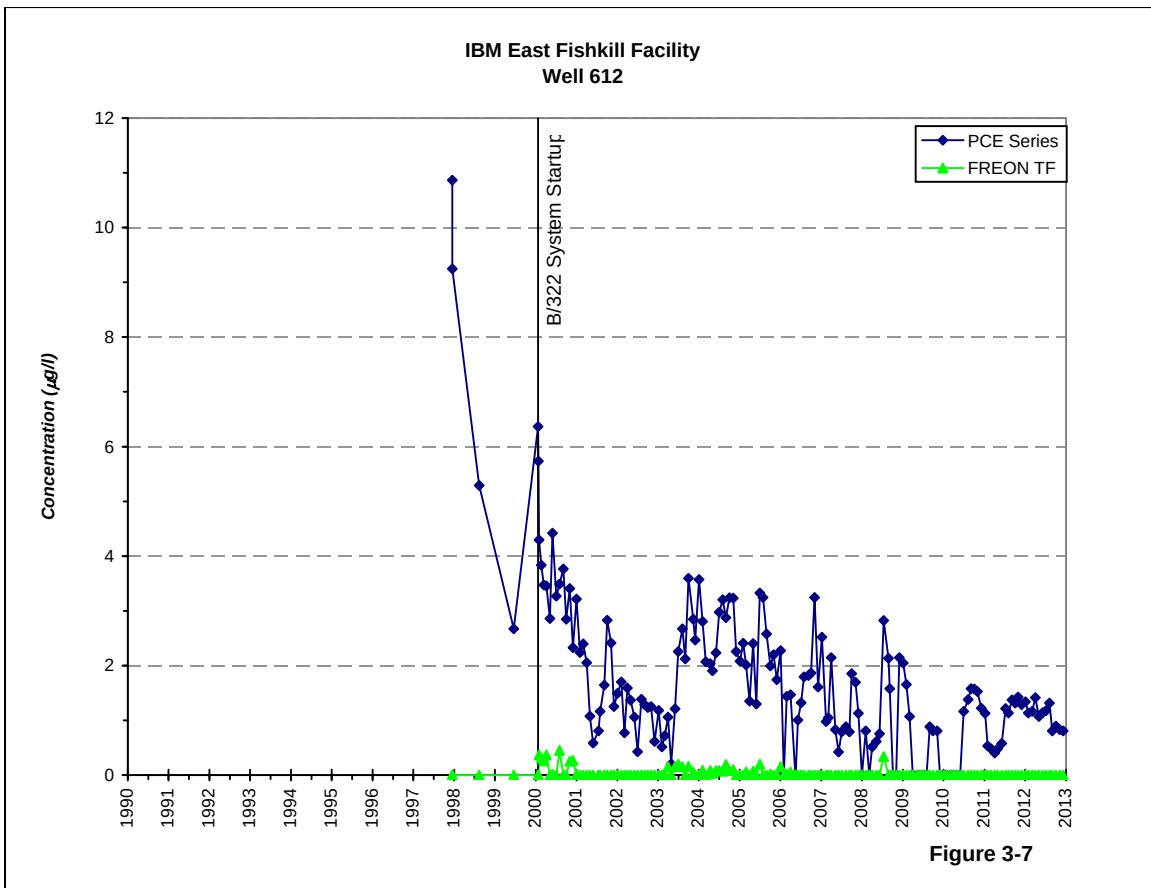


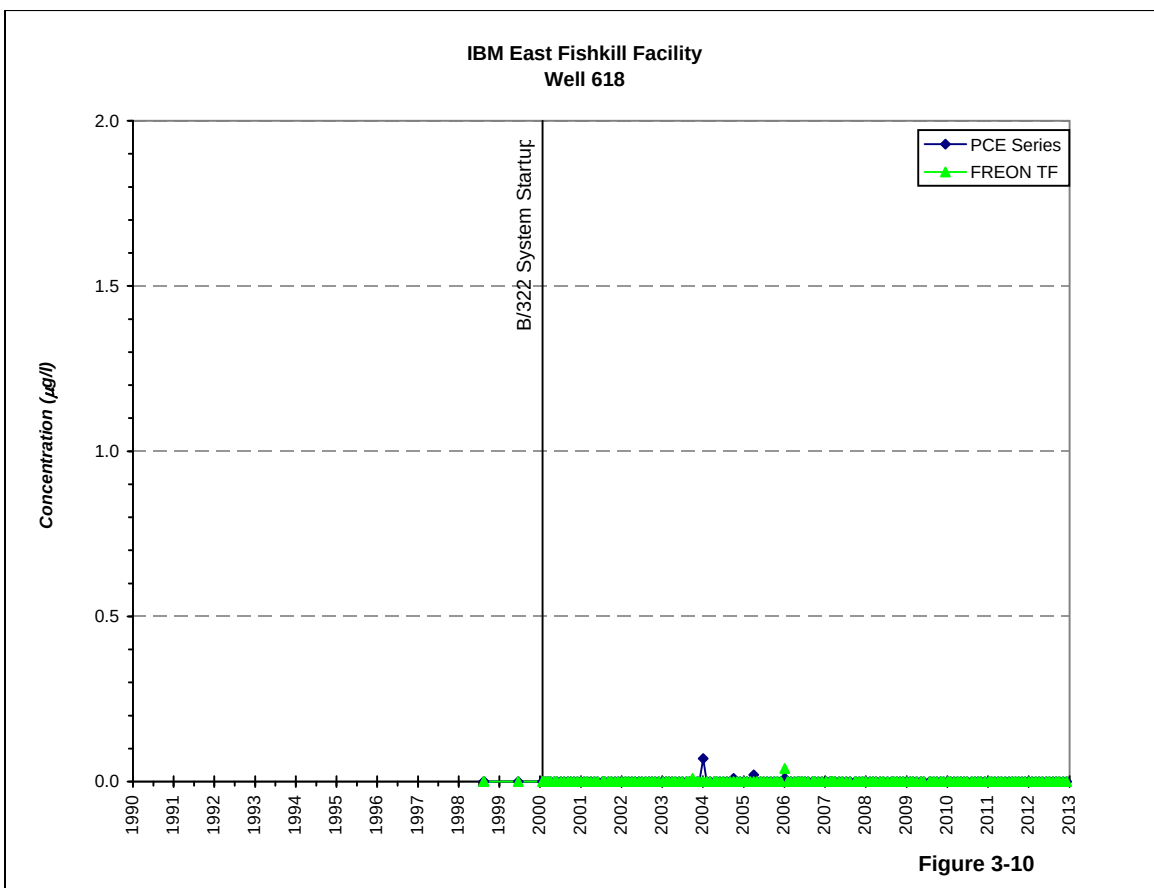
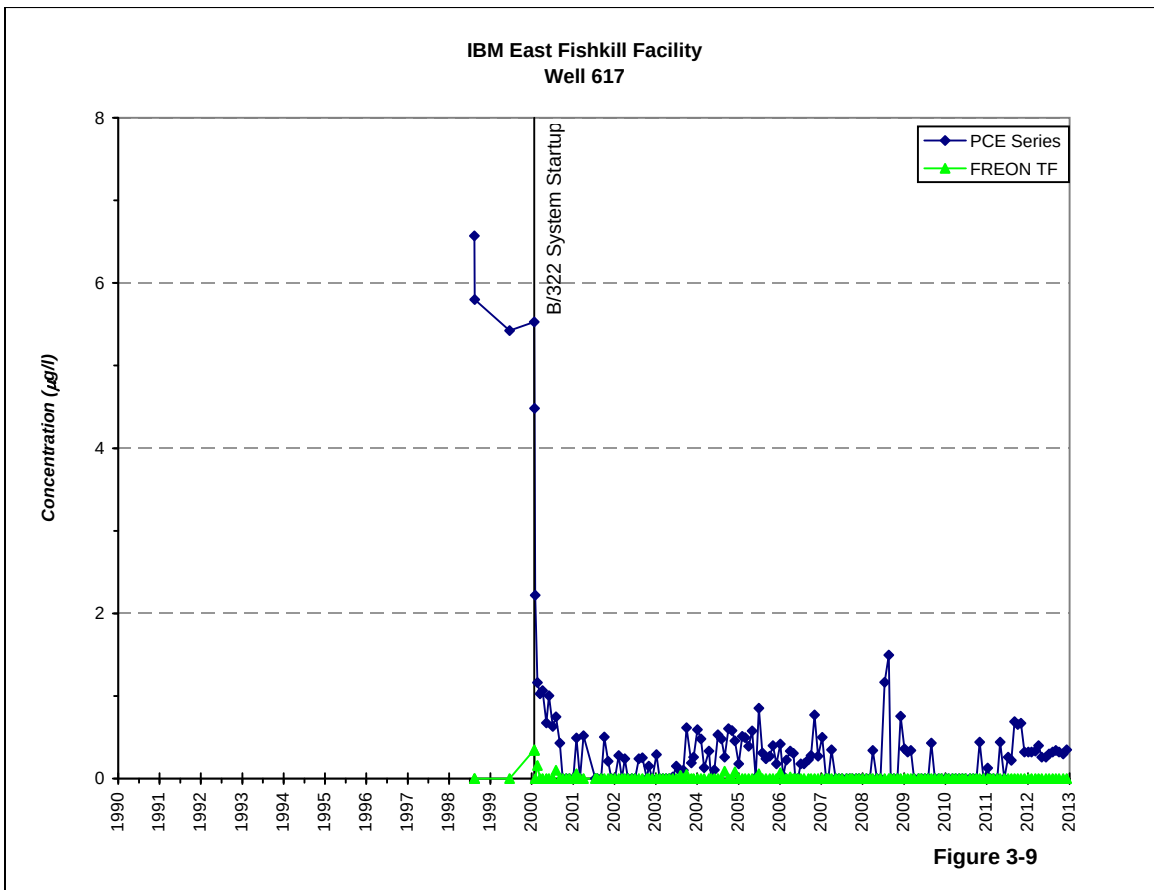
GROUNDWATER SCIENCES CORPORATION

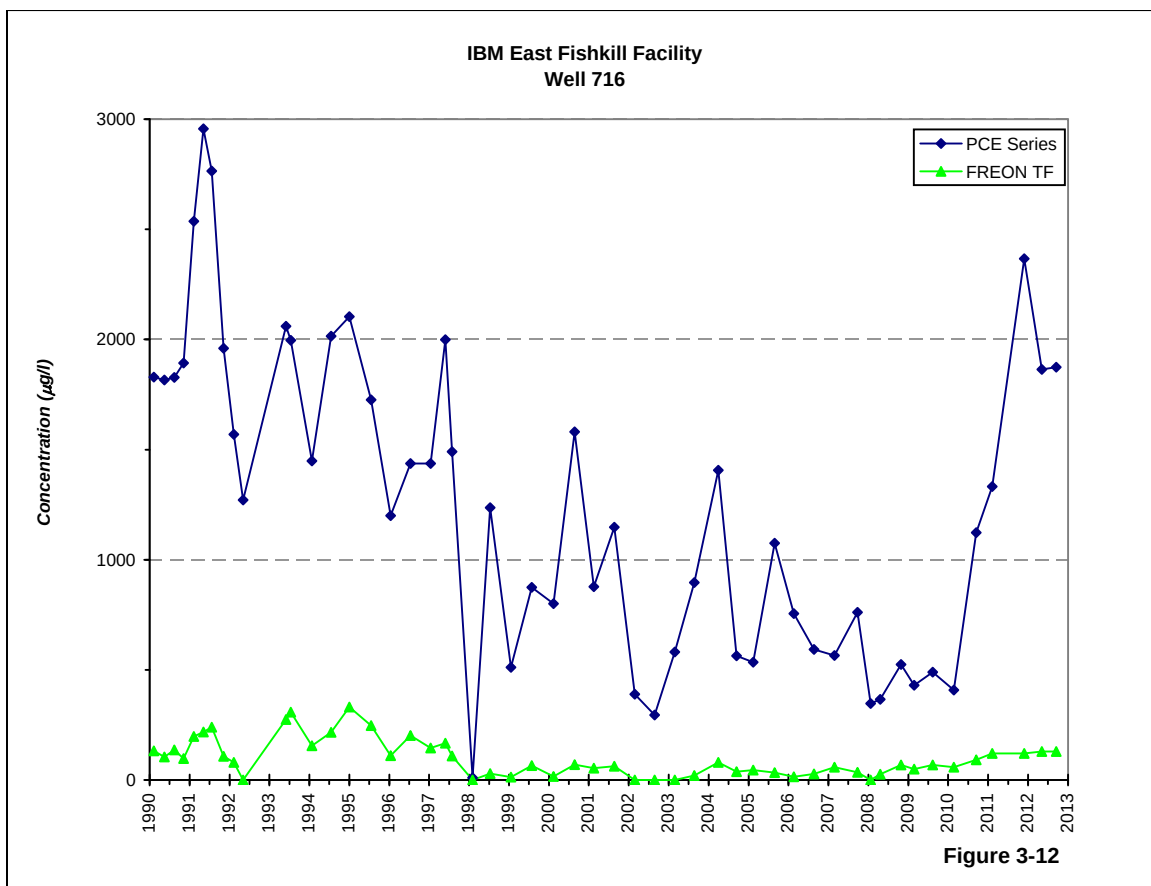
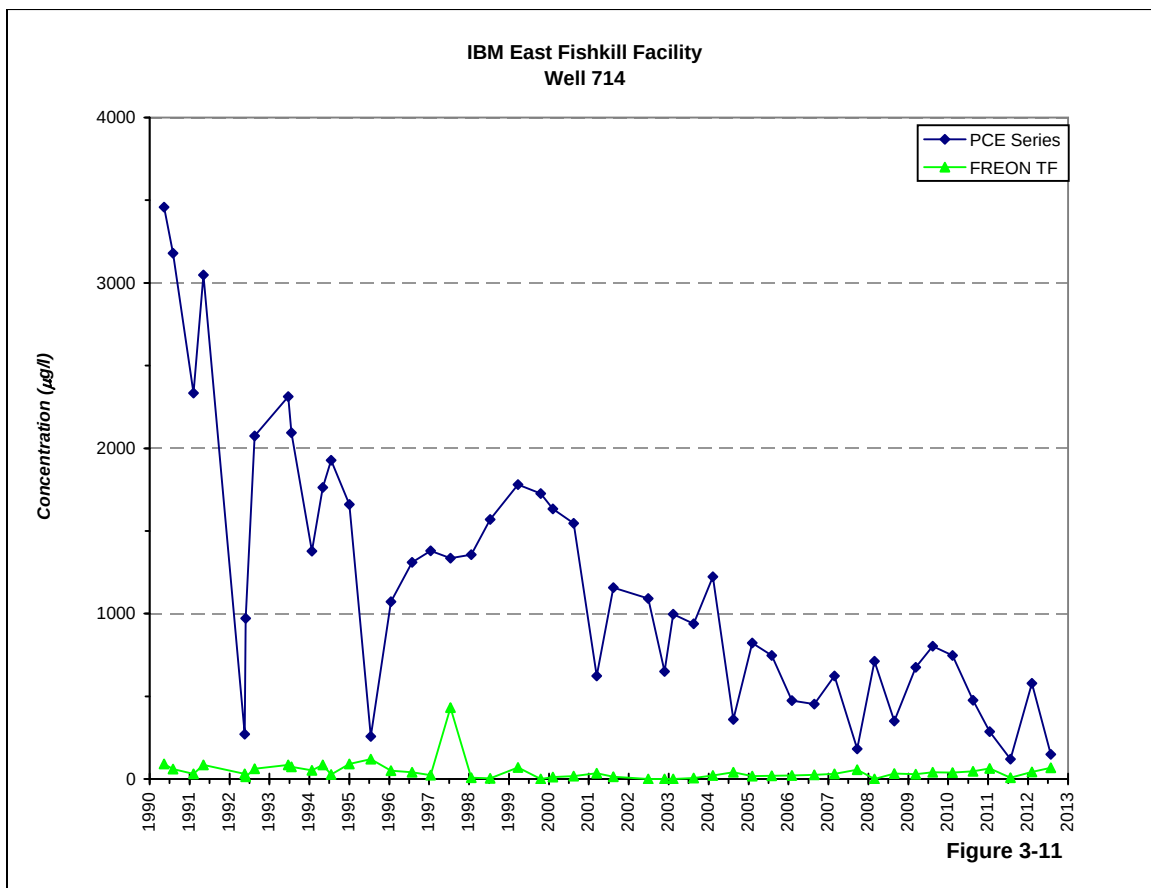


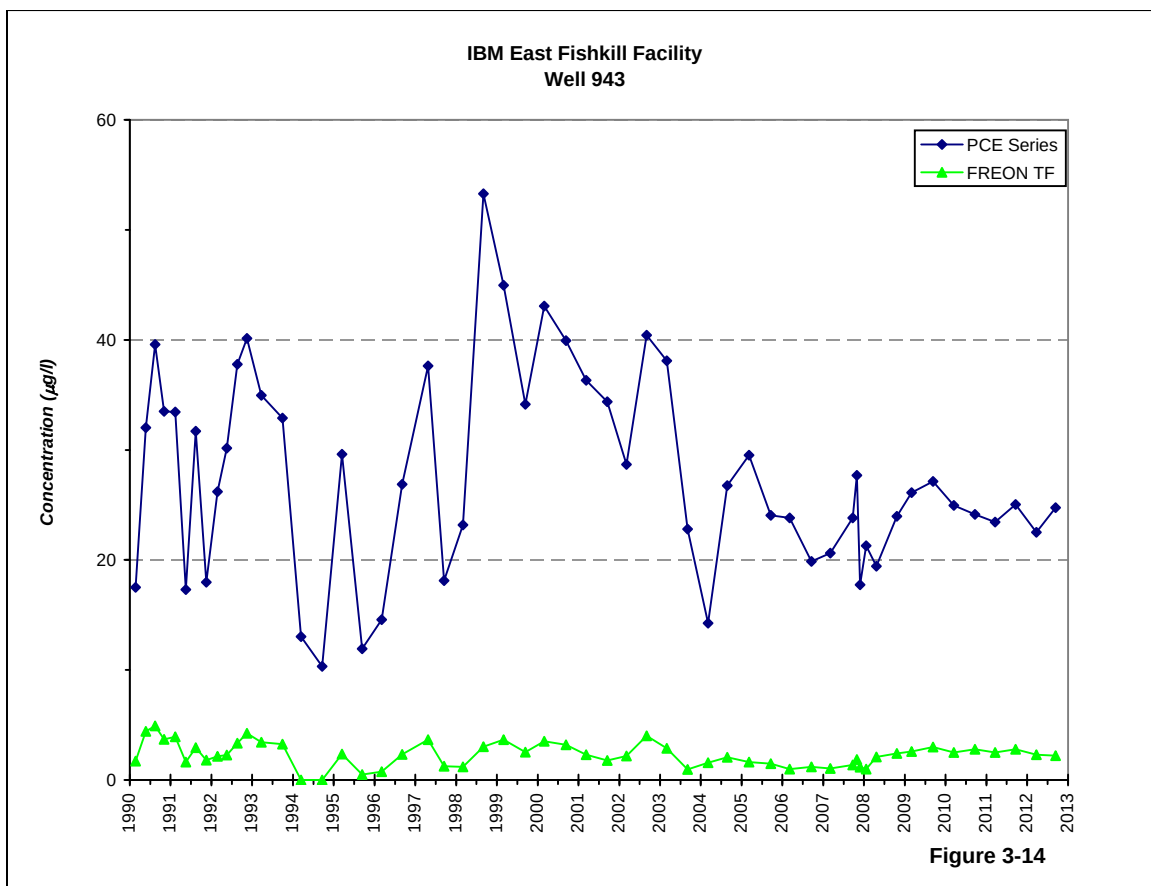
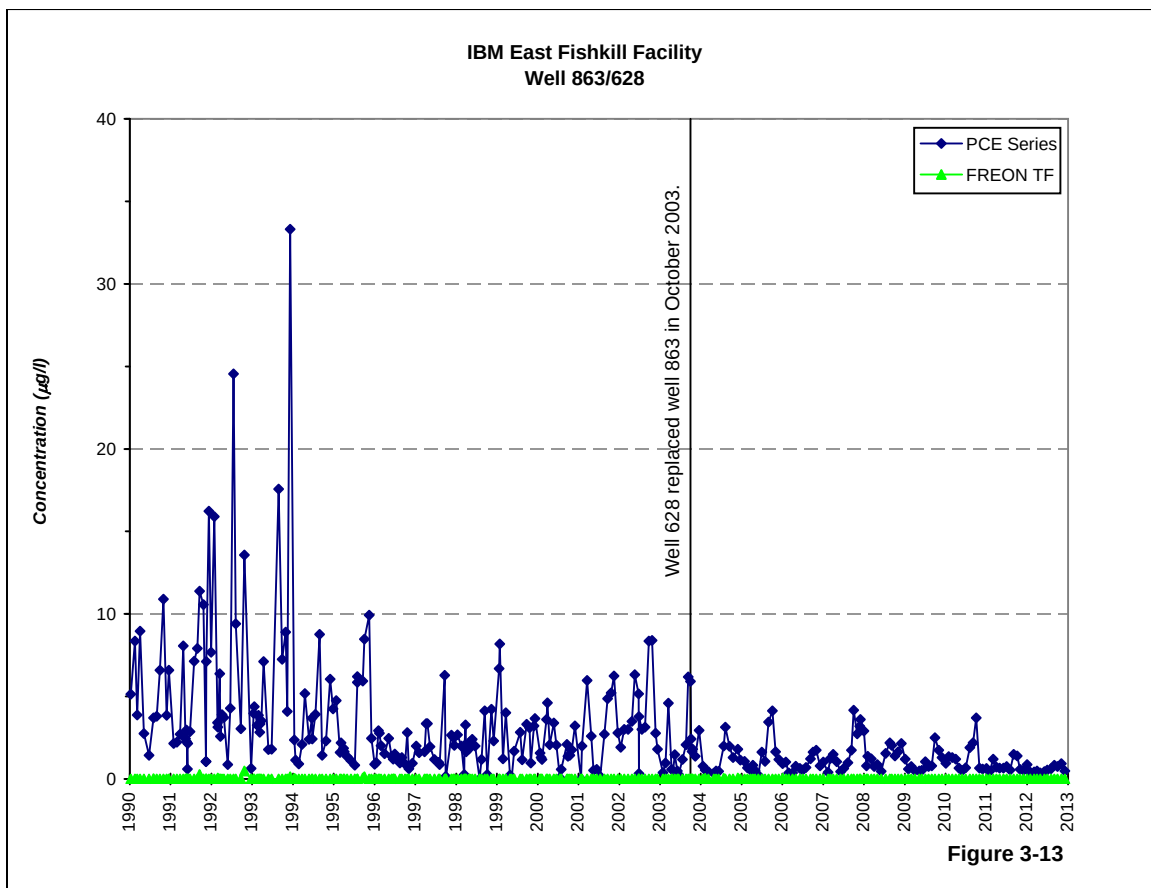


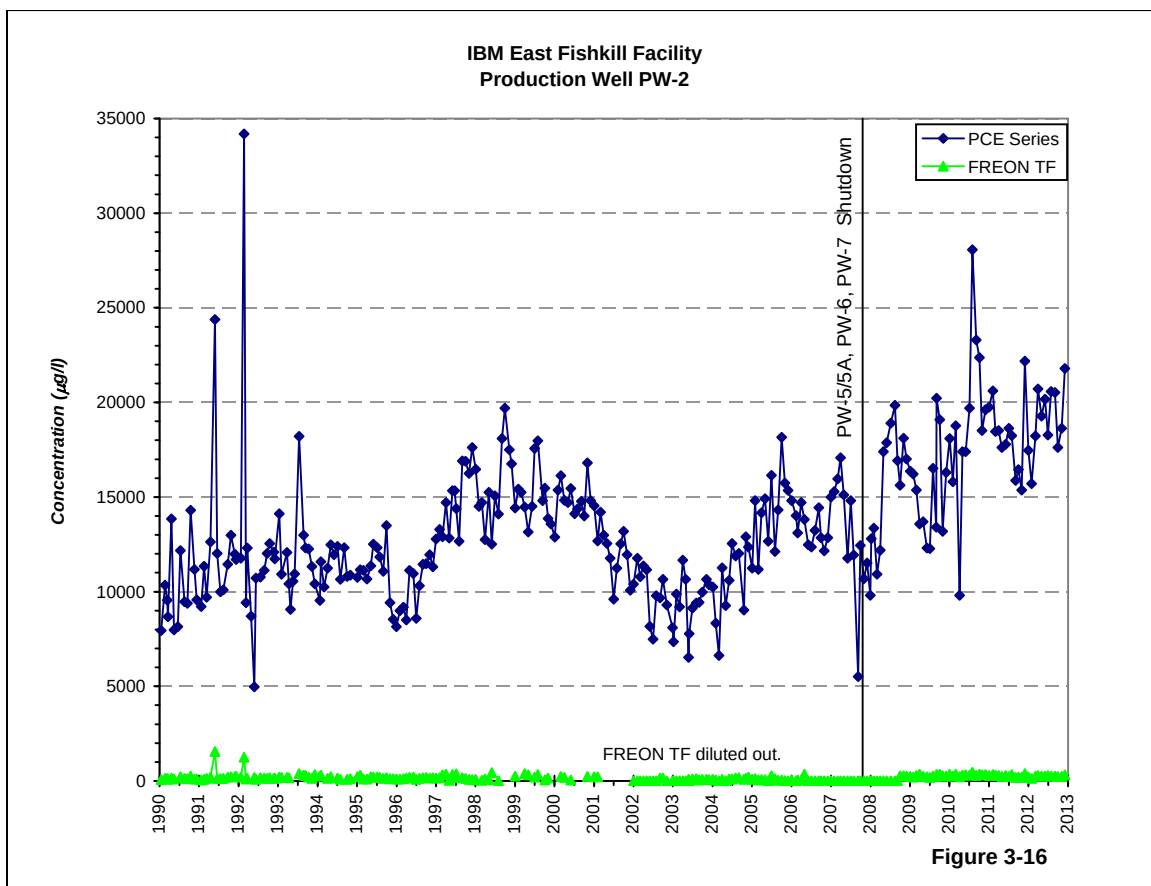
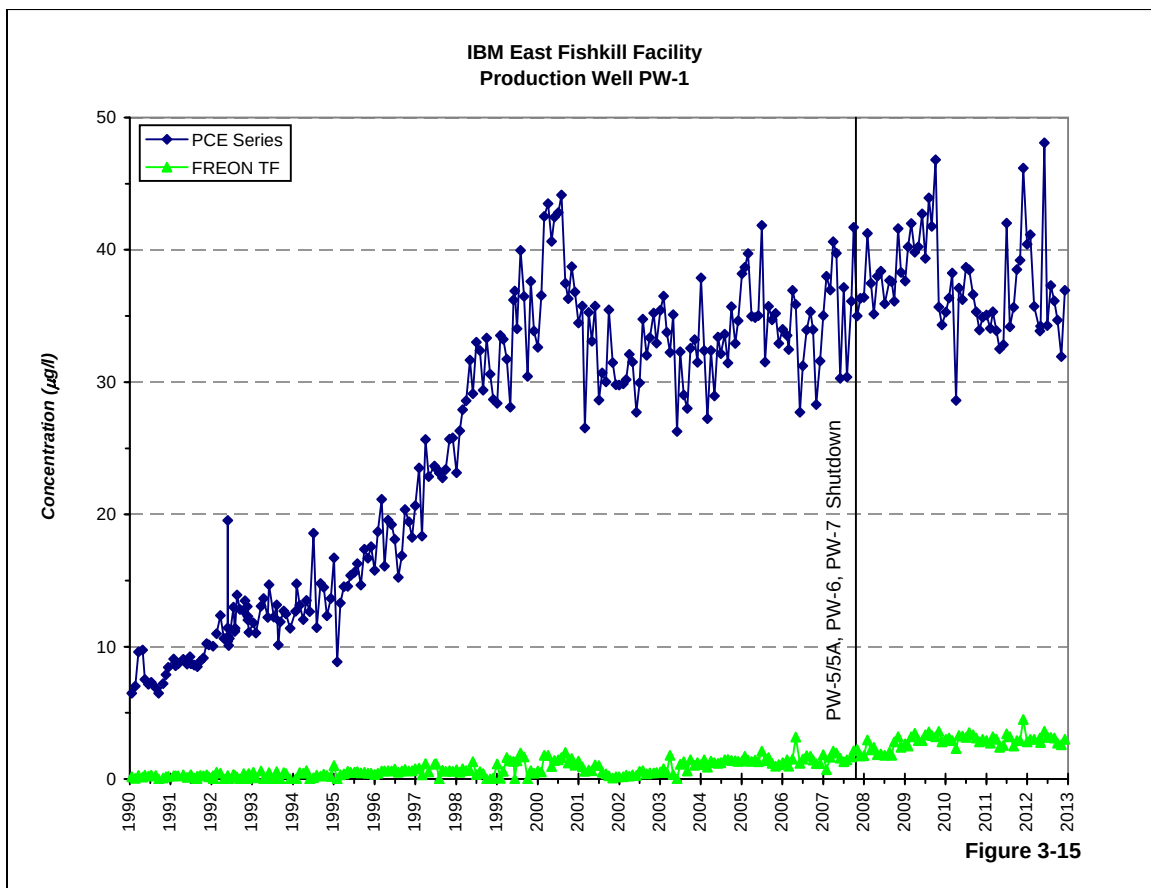


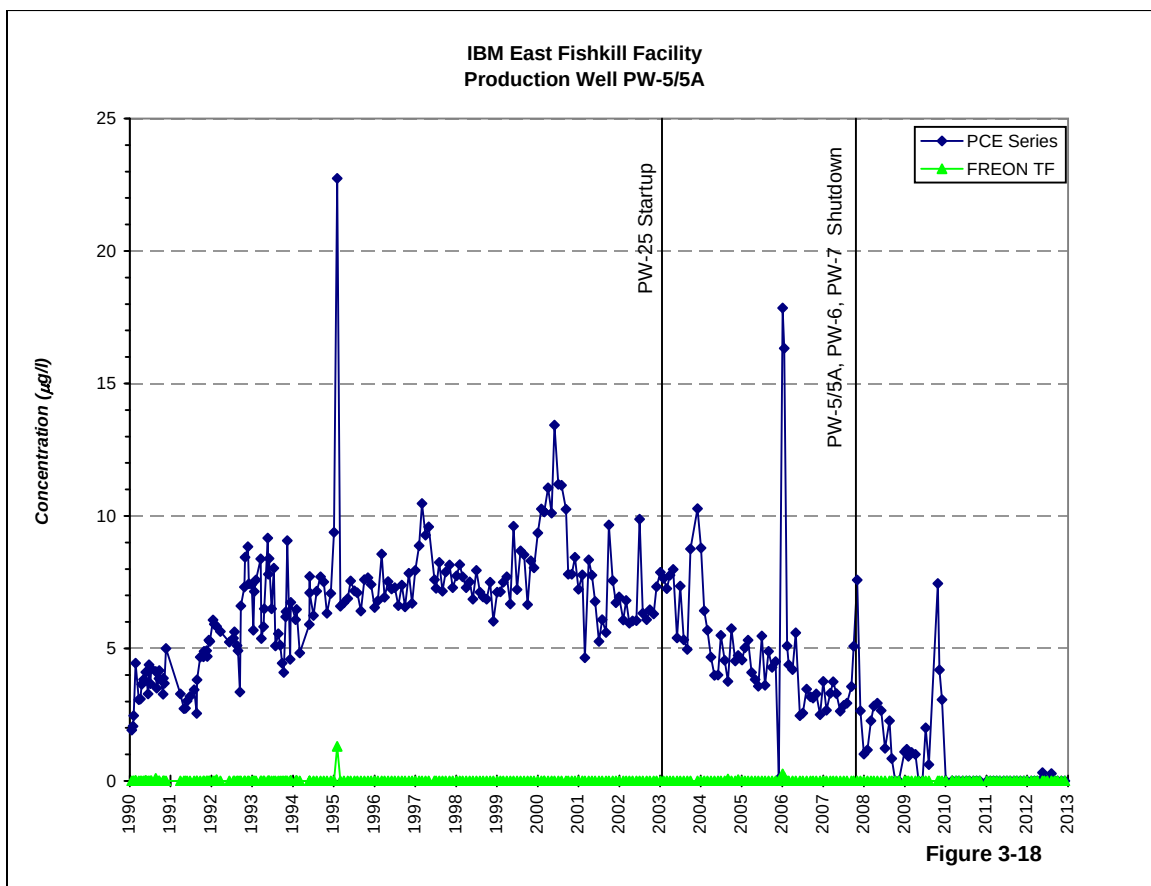
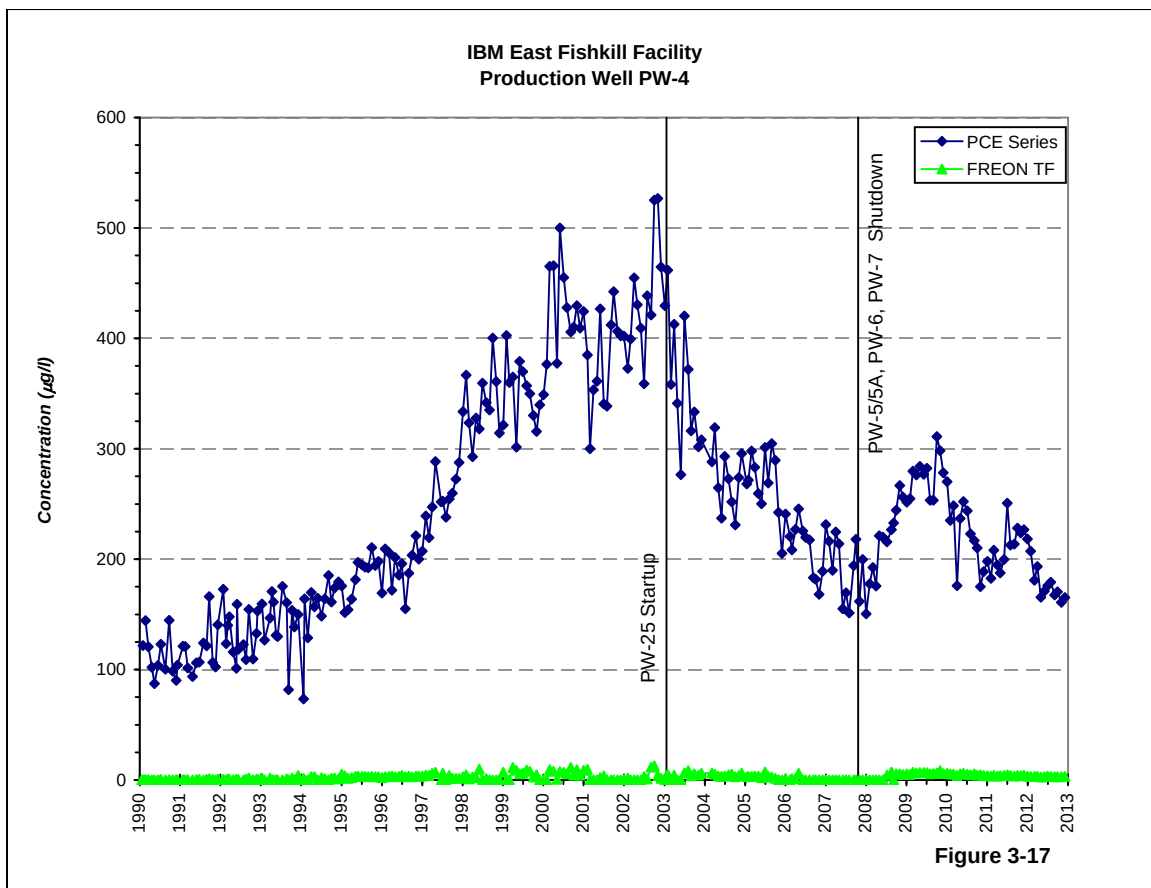


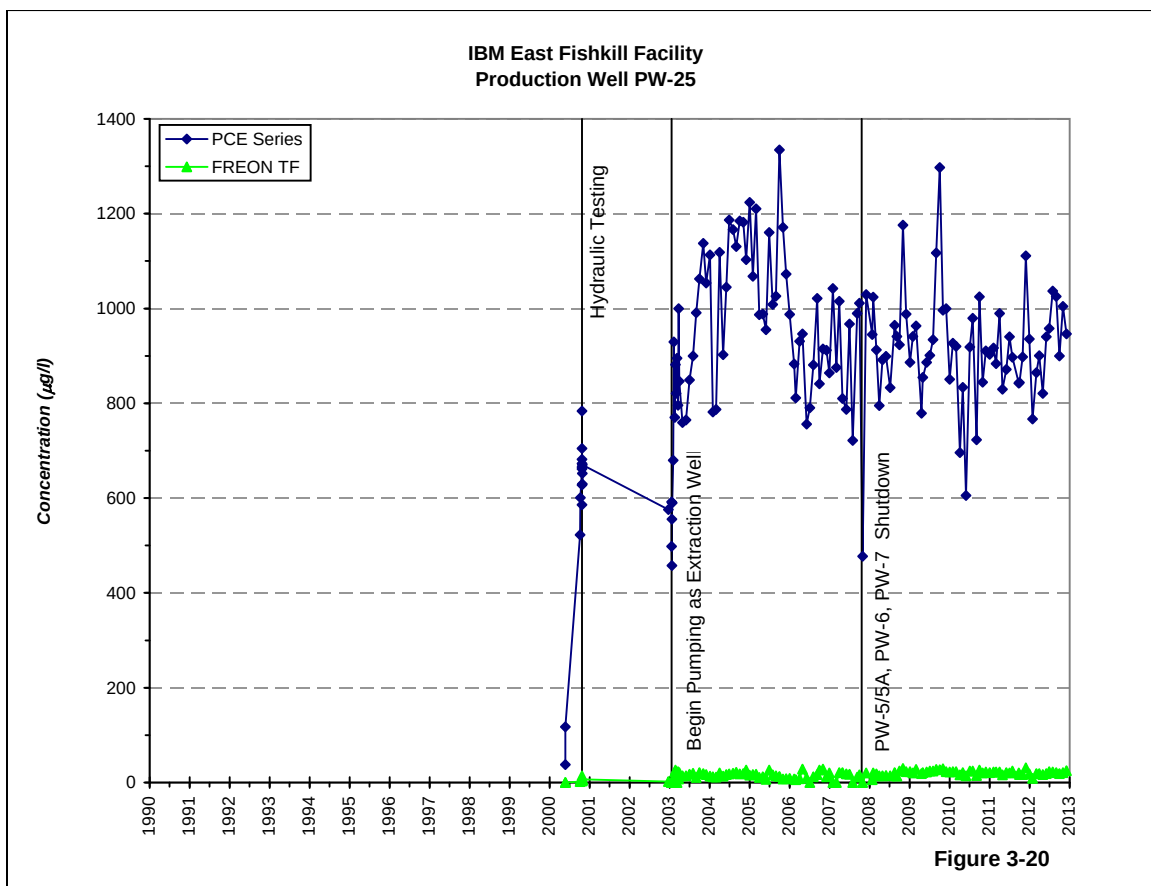
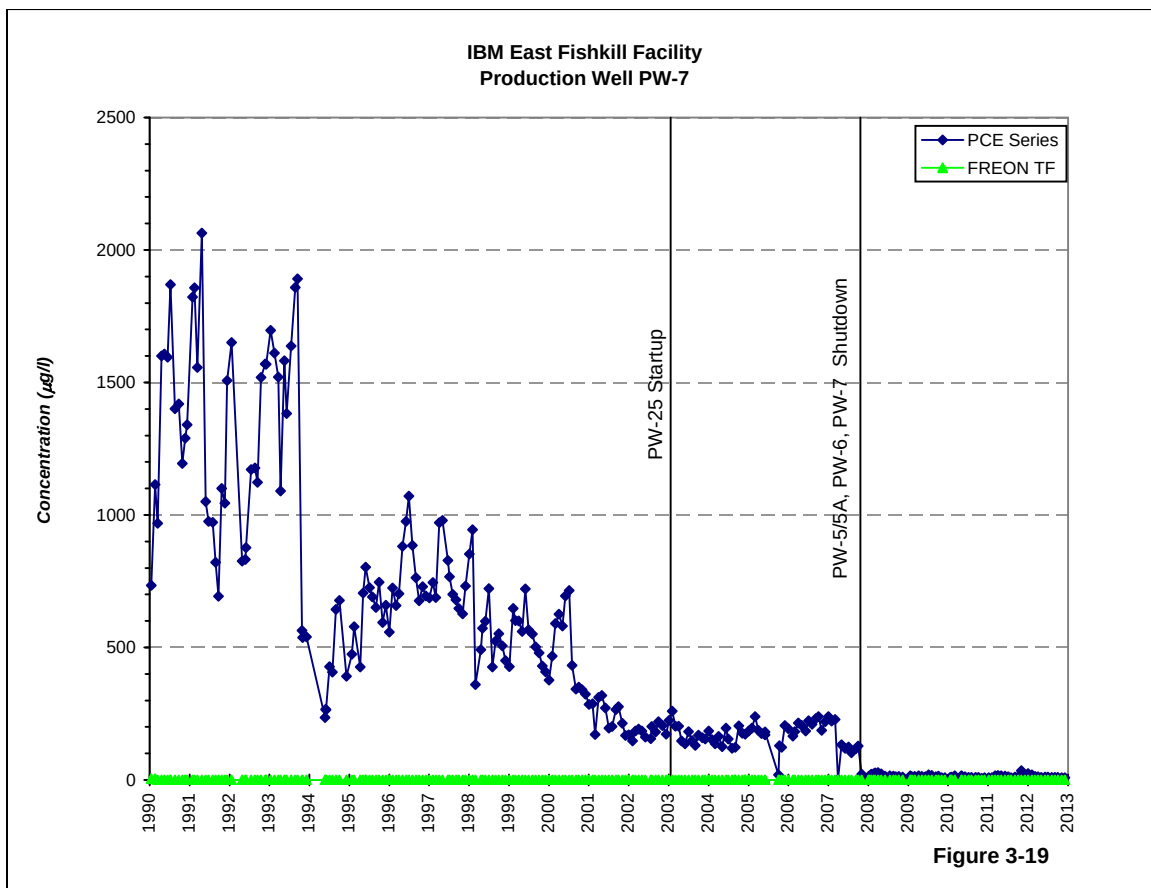


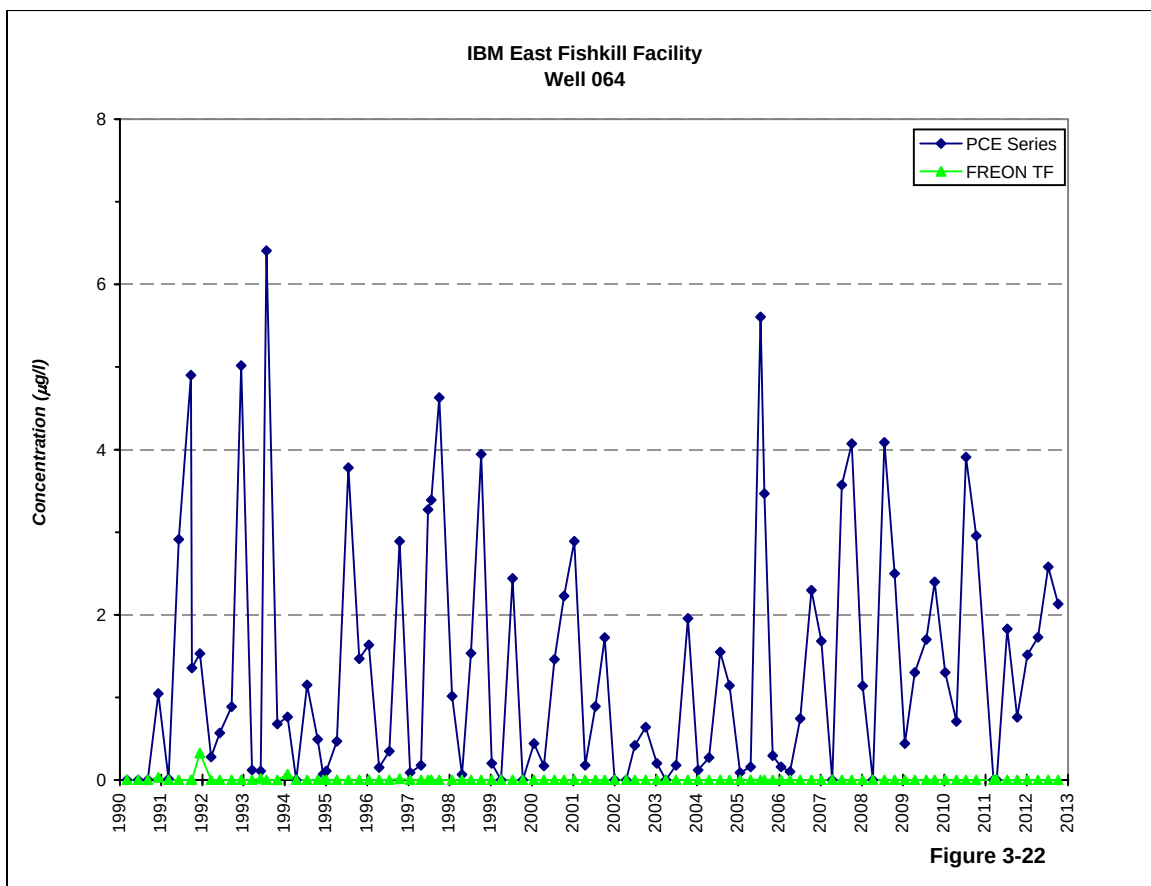
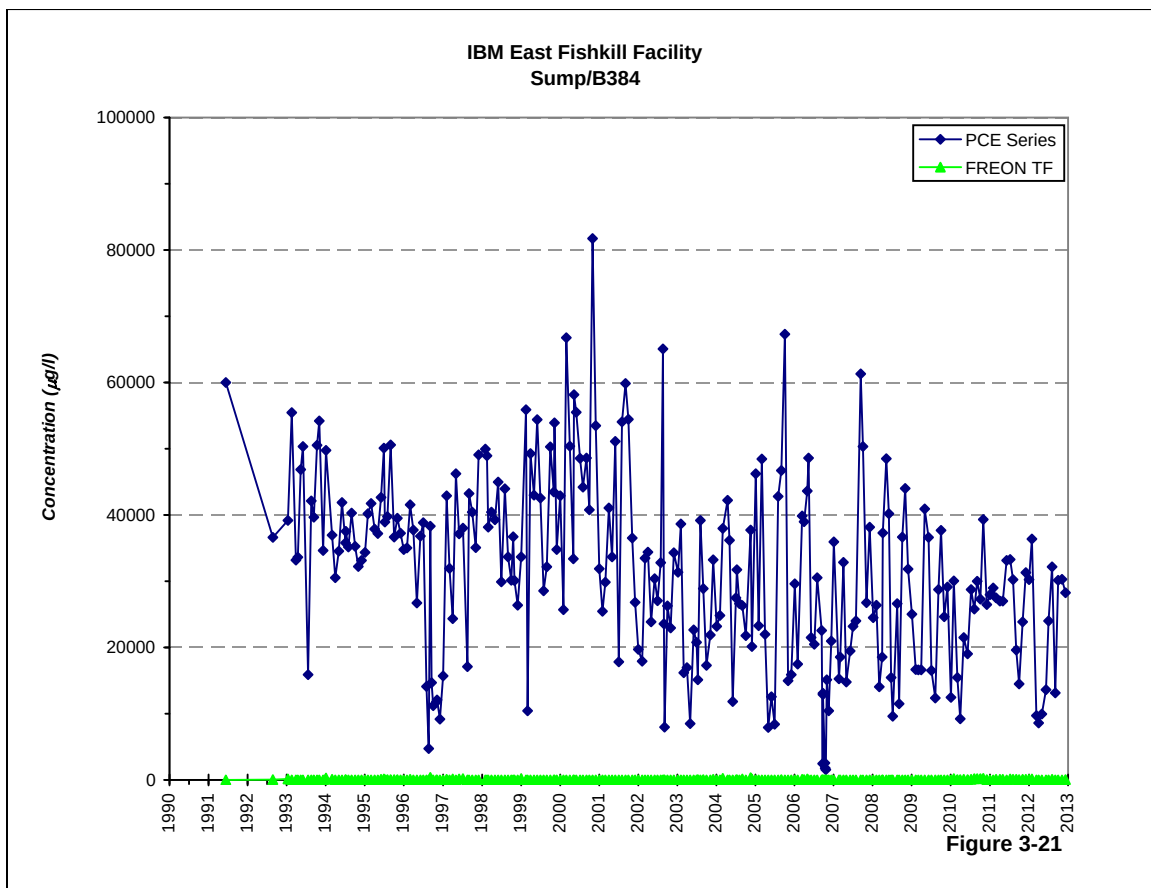


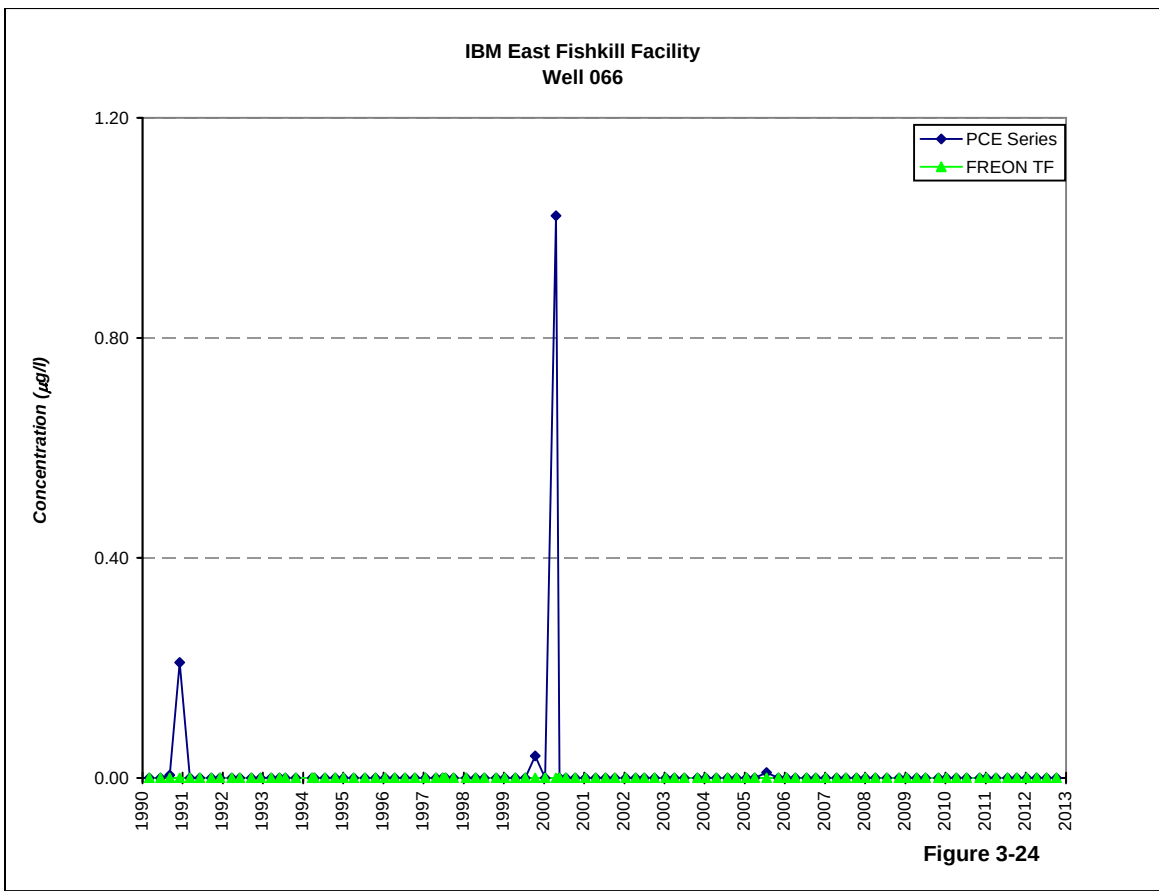
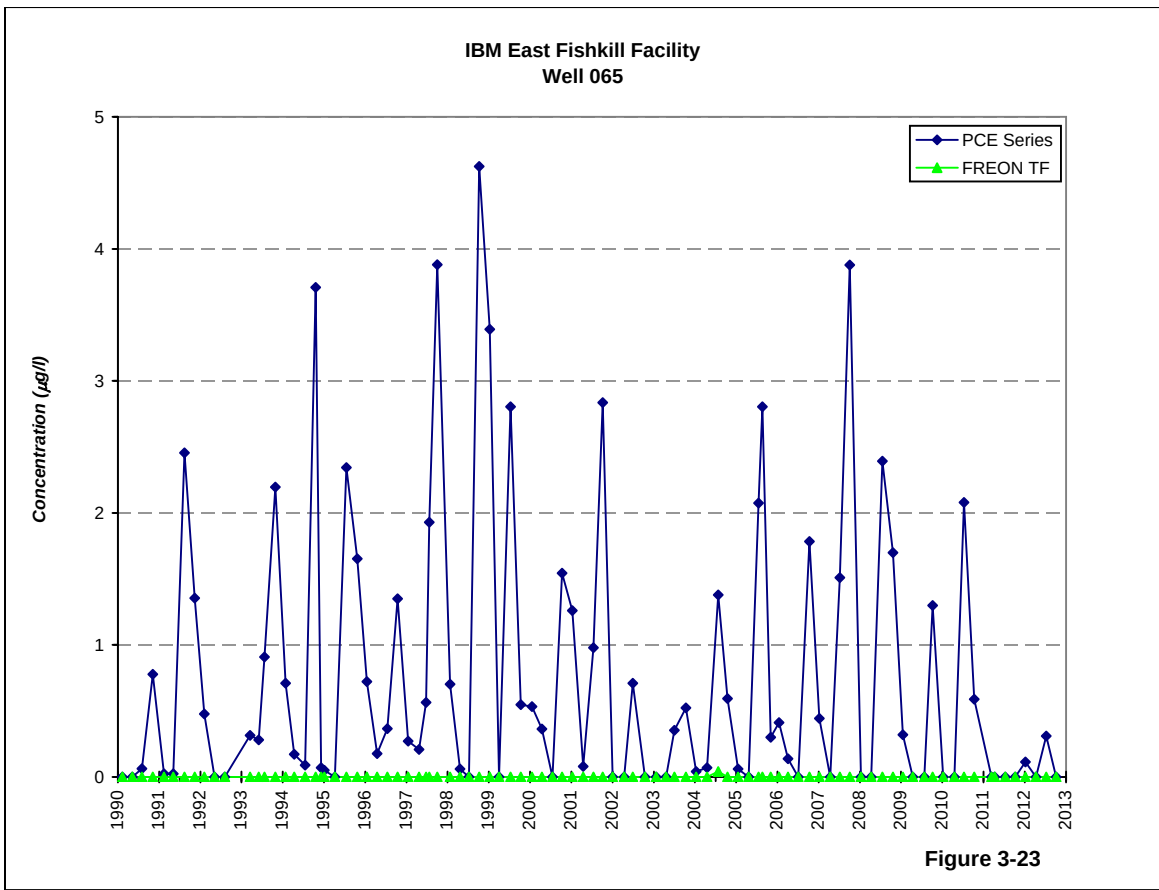


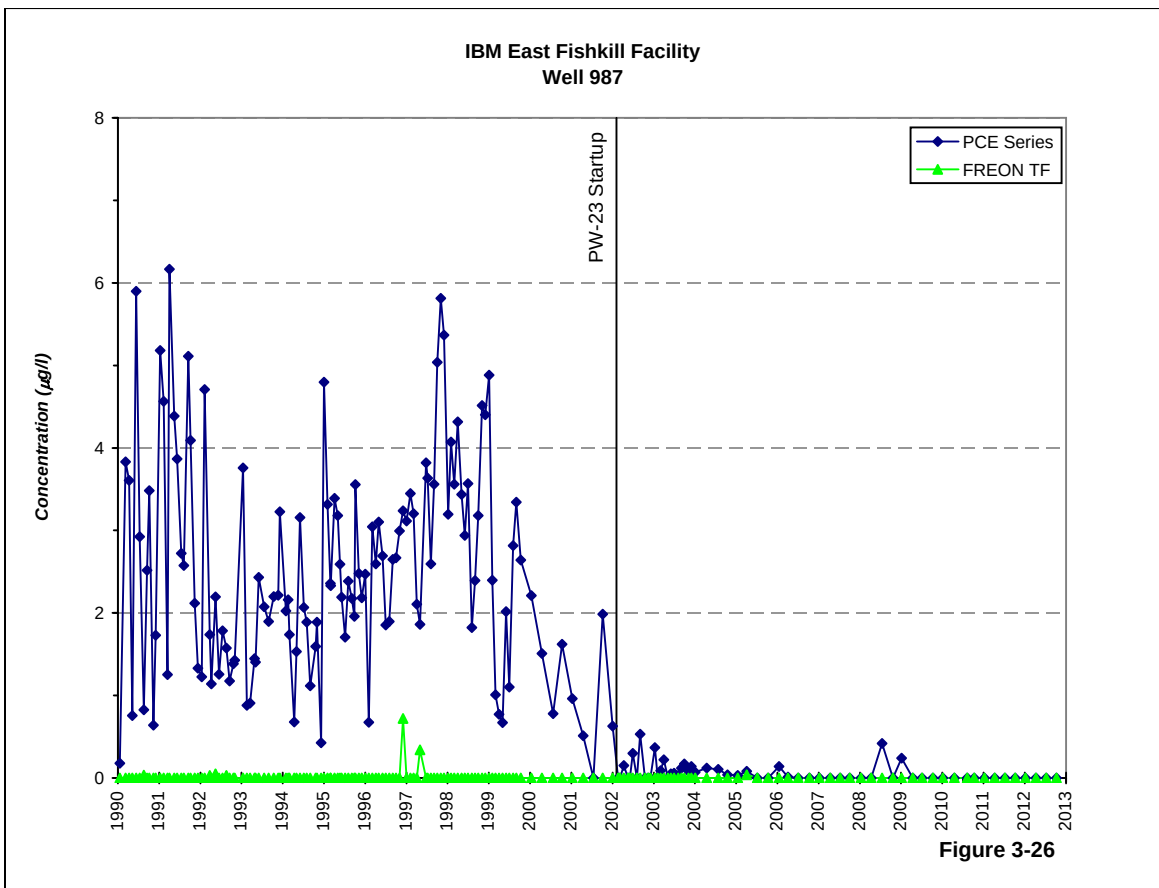
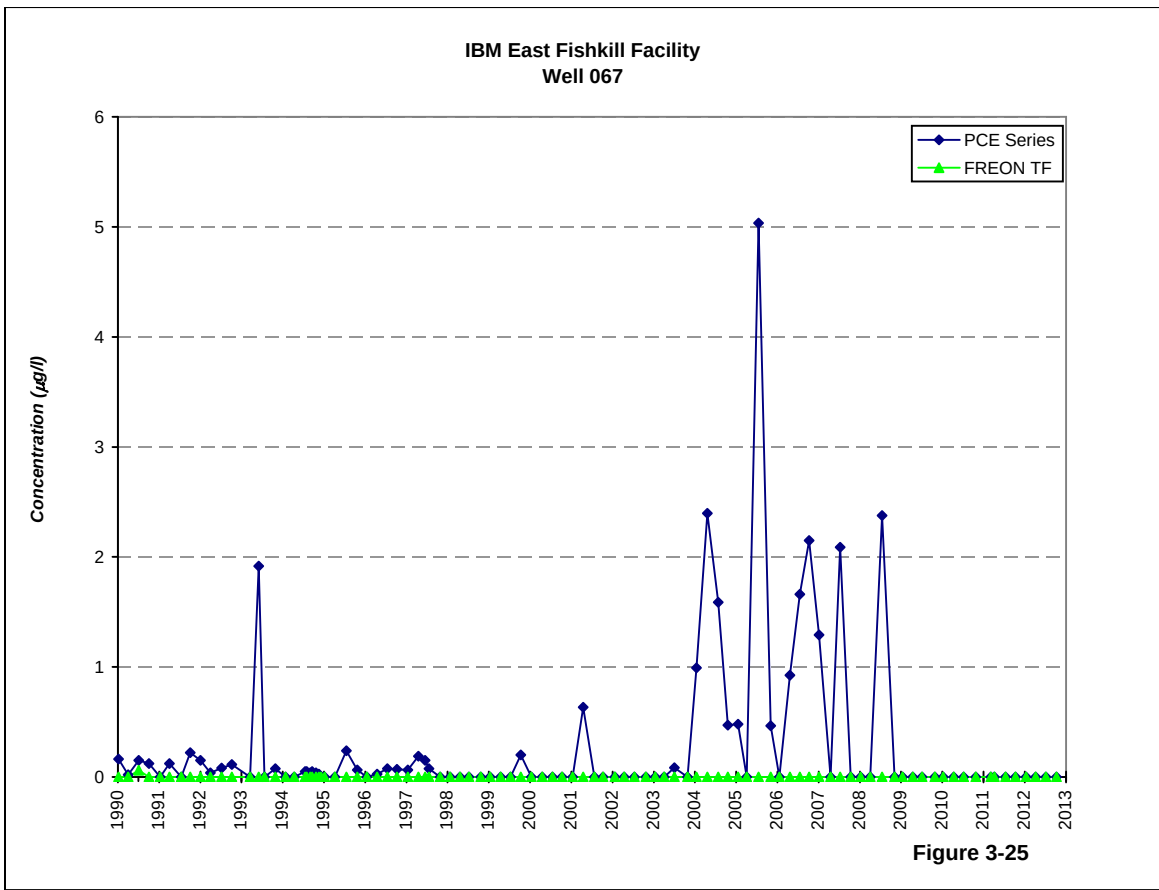


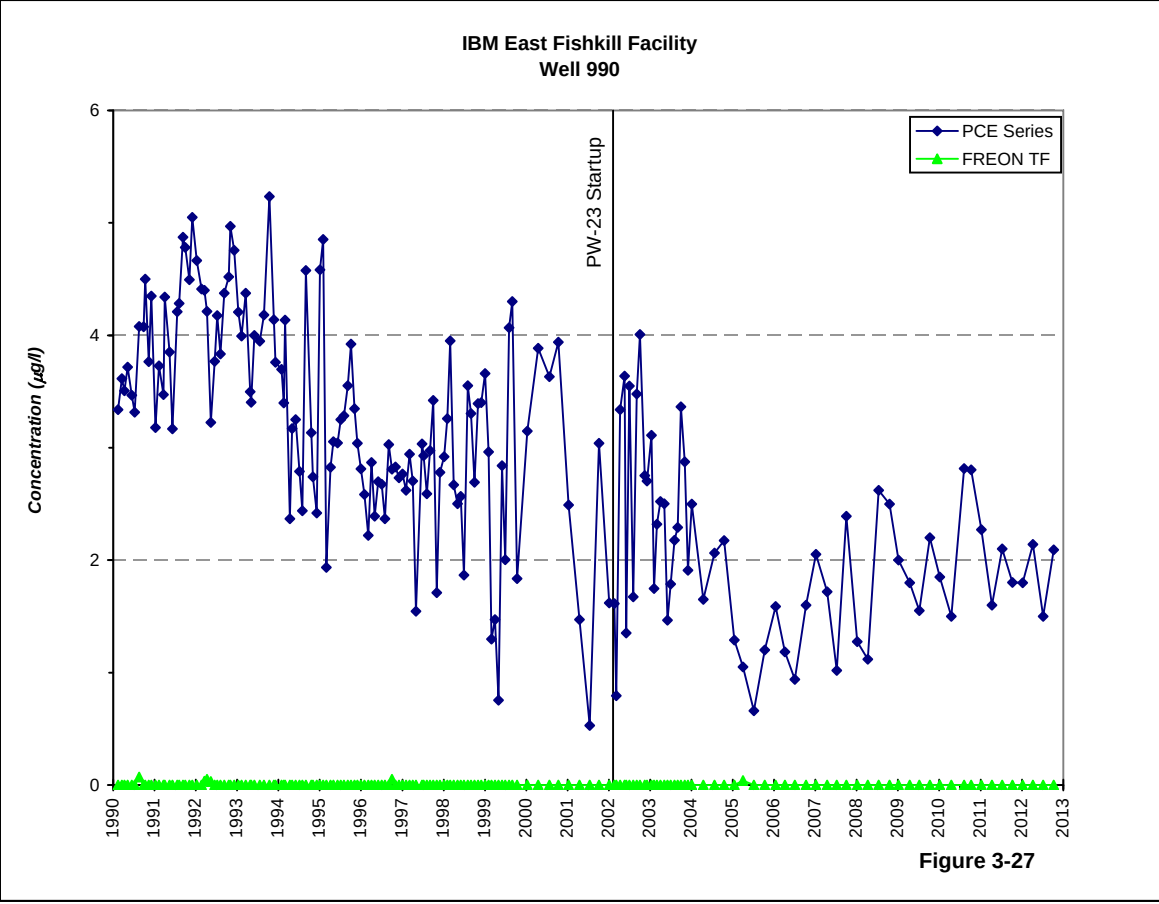












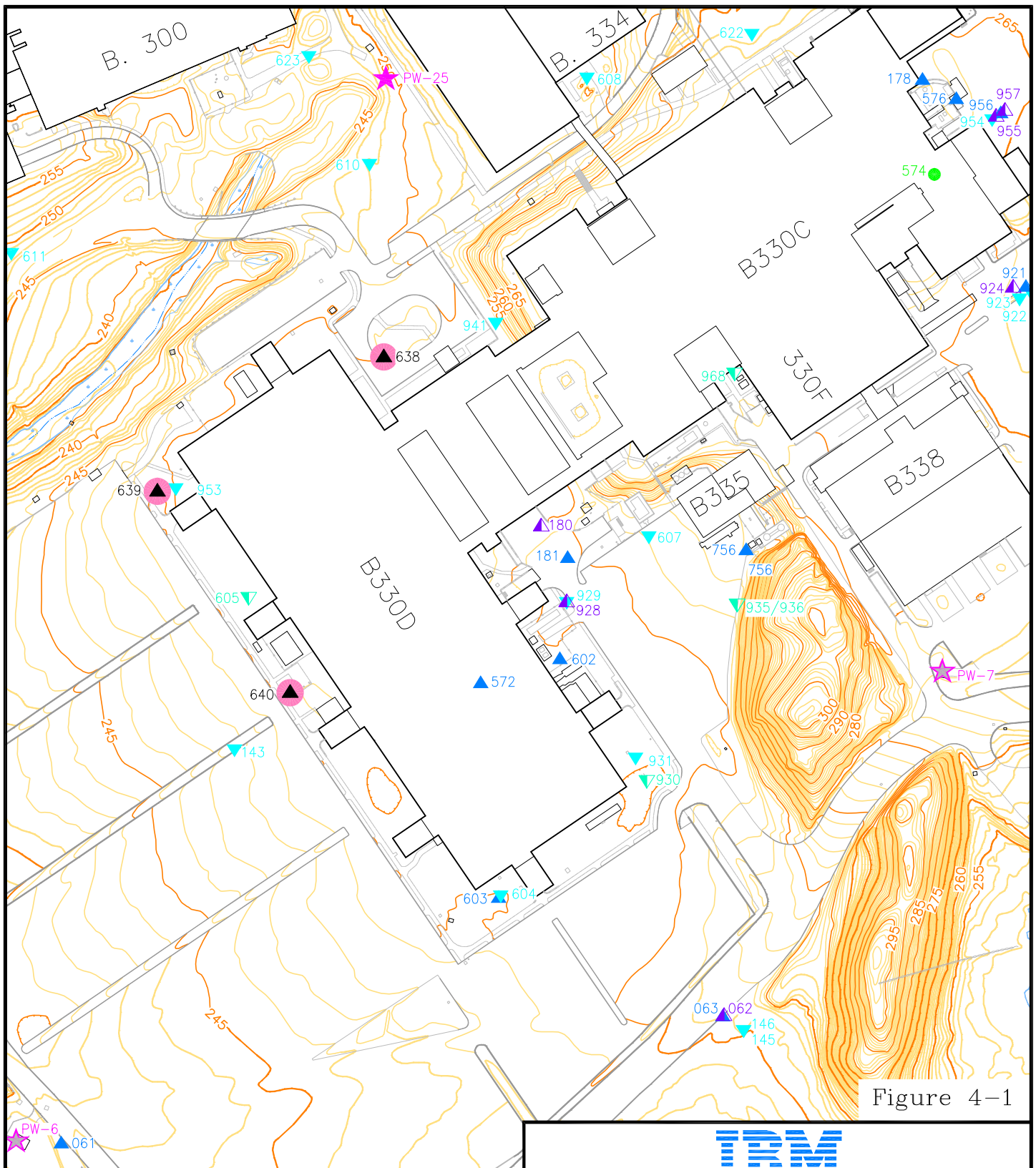
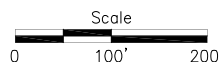


Figure 4-1

LEGEND

- ▲ - New Soil Monitoring Well (non-GMP)
- ▲ - Soil Monitoring Well (for groundwater sampling and elevations)
- ▲ - Soil Monitoring Well (for groundwater elevations only)
- ▼ - Bedrock Monitoring Well (for groundwater sampling and elevations)
- ▼ - Bedrock Monitoring Well (for groundwater elevations only)
- - Soil/Bedrock Monitoring Well (for groundwater sampling and elevations)
- ★ - Inactive Bedrock Extraction Well (Production Well Shutdown Test)
- ★ - Bedrock Extraction Well

*Wells installed December 2009



B/330D New Well Location Map*

DRAWN BY: *MJM* DATE: 5/4/10

CHECKED & APPROVED BY: *GGP*

DRAWING NO.

95007-046-A

GROUNDWATER SCIENCES CORPORATION

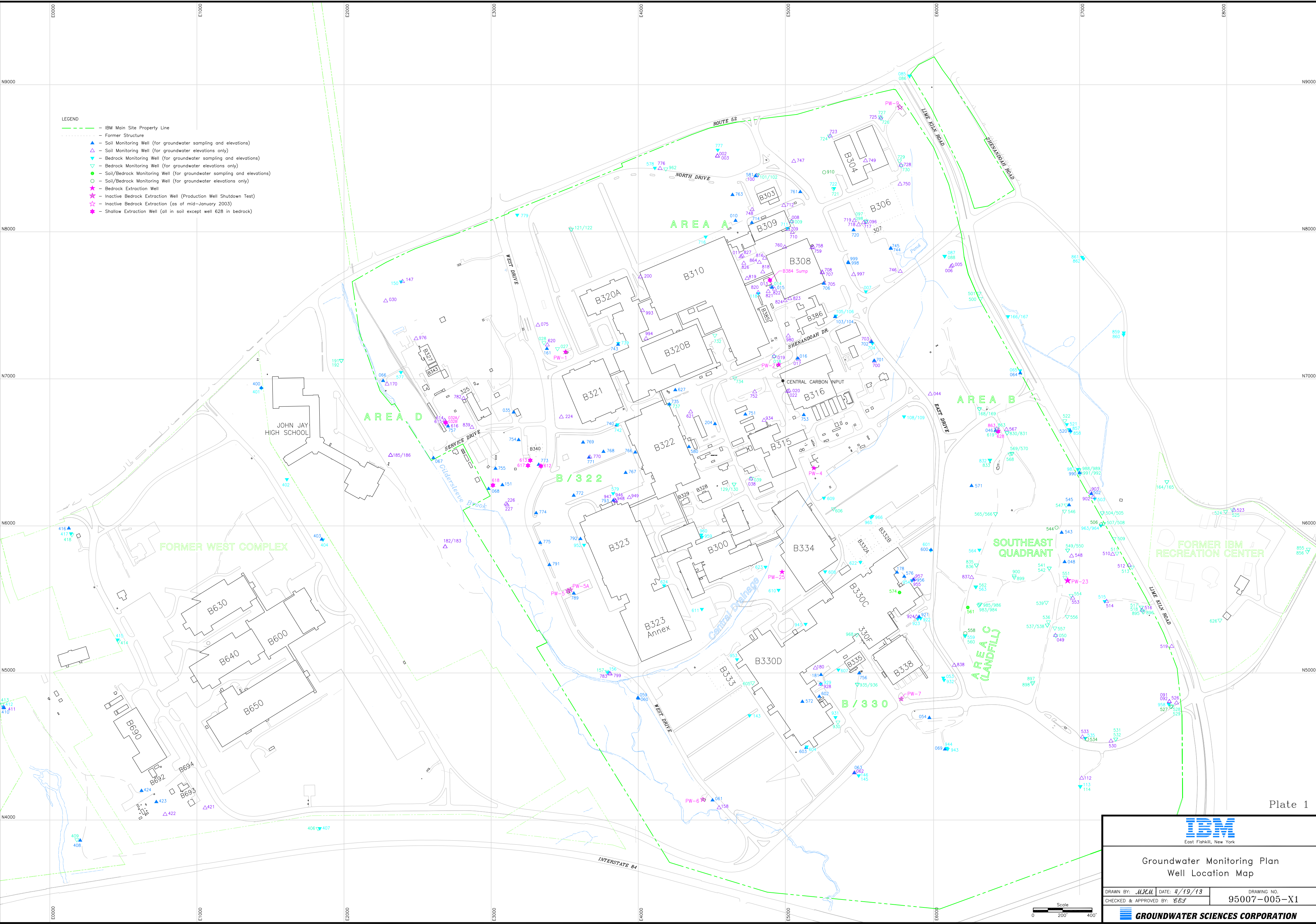


Plate 1



East Fishkill, New York

Groundwater Monitoring Plan
Well Location Map

DRAWN BY: <i>MM</i>	DATE: 4/19/13	DRAWING NO.
CHECKED & APPROVED BY: <i>ES</i>		95007-005-X1

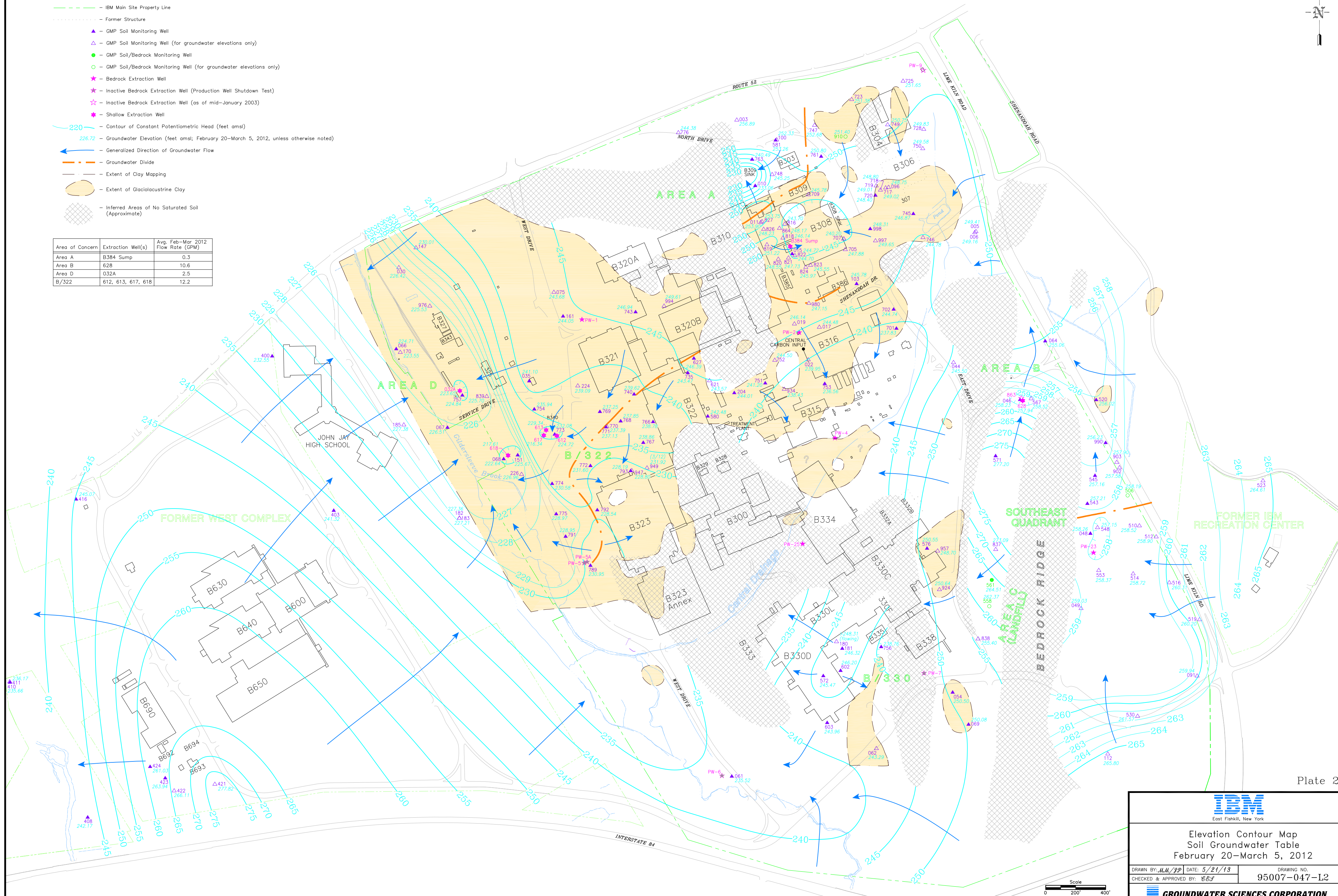


GROUNDWATER SCIENCES CORPORATION

LEGEND

- IBM Main Site Property Line
- Former Structure
- ▲ GMP Soil Monitoring Well
- △ GMP Soil Monitoring Well (for groundwater elevations only)
- GMP Soil/Bedrock Monitoring Well
- GMP Soil/Bedrock Monitoring Well (for groundwater elevations only)
- ★ Bedrock Extraction Well
- ☆ Inactive Bedrock Extraction Well (Production Well Shutdown Test)
- ☆ Inactive Bedrock Extraction Well (as of mid-January 2003)
- ★ Shallow Extraction Well
- 220 — Contour of Constant Potentiometric Head (feet amsl)
- 226.72 — Groundwater Elevation (feet amsl; February 20–March 5, 2012, unless otherwise noted)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- Extent of Clay Mapping
- Extent of Glaciolacustrine Clay
- Inferred Areas of No Saturated Soil (Approximate)

Area of Concern	Extraction Well(s)	Avg. Feb–Mar 2012 Flow Rate (GPM)
Area A	B384 Sump	0.3
Area B	B28	10.6
Area D	032A	2.5
B/322	612, 613, 617, 618	12.2



Elevation Contour Map
Soil Groundwater Table
February 20–March 5, 2012

DRAWN BY: WU/JP DATE: 5/21/13 CHECKED & APPROVED BY: ESJ DRAWING NO. 95007-047-L2

Scale 0 200' 400'

GROUNDWATER SCIENCES CORPORATION

LEGEND

- IBM Main Site Property Line
- Former Structure
- ▲ GMP Soil Monitoring Well
- △ GMP Soil Monitoring Well (for groundwater elevations only)
- GMP Soil/Bedrock Monitoring Well
- GMP Soil/Bedrock Monitoring Well (for groundwater elevations only)
- ★ Bedrock Extraction Well
- ☆ Inactive Bedrock Extraction Well (Production Well Shutdown Test)
- ☆ Inactive Bedrock Extraction Well (as of mid-January 2003)
- ★ Shallow Extraction Well
- 220 — Contour of Constant Potentiometric Head (feet amsl)
- 226.72 — Groundwater Elevation (feet amsl; May 21–June 6, 2012)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- Extent of Clay Mapping
- Extent of Glaciolacustrine Clay
- Inferred Areas of No Saturated Soil (Approximate)

Area of Concern	Extraction Well(s)	Avg. May–June 2012 Flow Rate (GPM)
Area A	B384 Sump	0.3
Area B	628	10.0
Area D	032A	2.5
B/322	612, 613, 617, 618	8.7

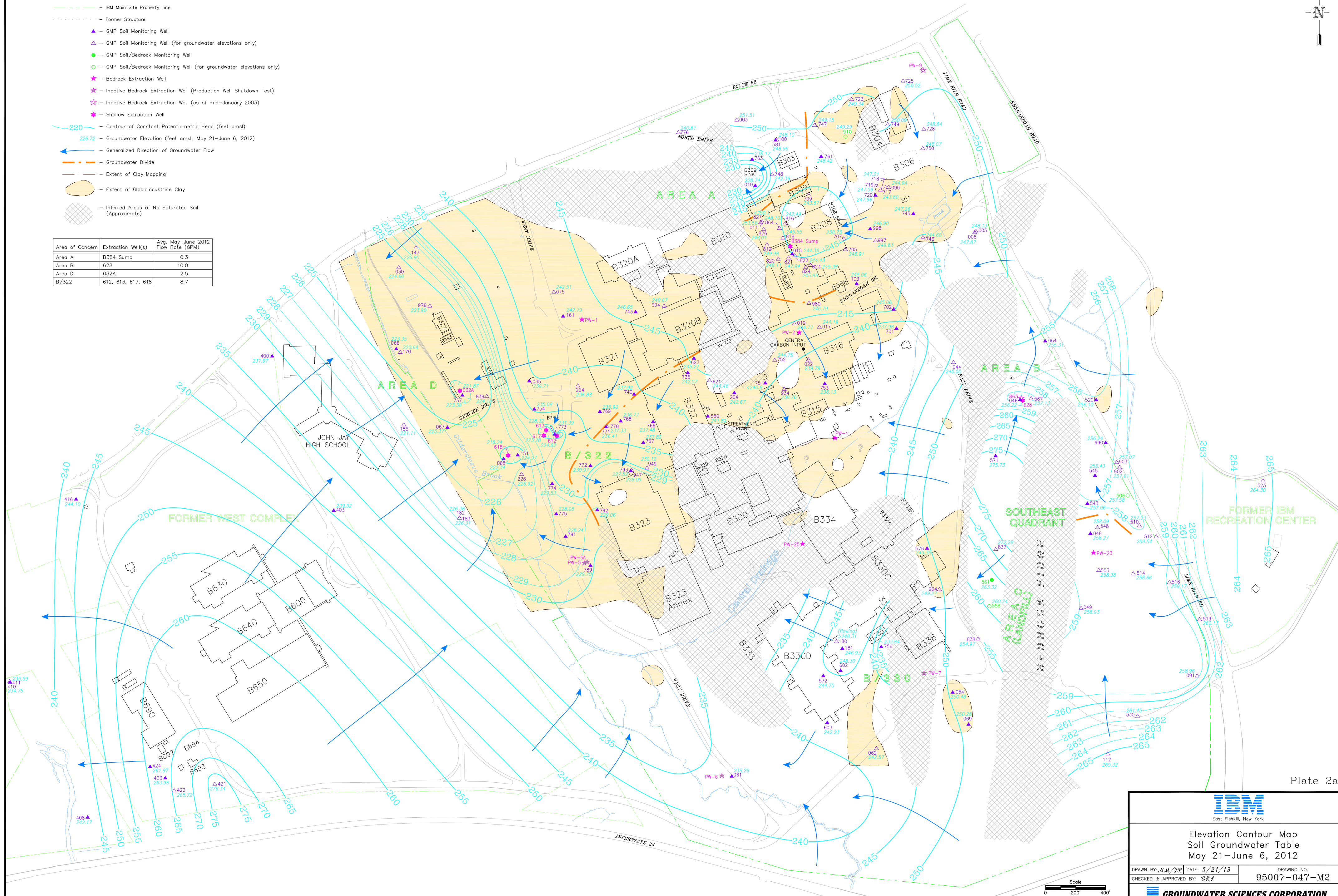


Plate 2a



East Fishkill, New York

Elevation Contour Map
Soil Groundwater Table
May 21–June 6, 2012

DRAWN BY: *MM/38* DATE: *5/21/13*

CHECKED & APPROVED BY: *ESJ*

DRAWING NO.
95007-047-M2



GROUNDWATER SCIENCES CORPORATION

- LEGEND**
- IBM Main Site Property Line
 - Former Structure
 - GMP Bedrock Monitoring Well
 - GMP Bedrock Monitoring Well (for groundwater elevations only)
 - GMP Soil/Bedrock Monitoring Well
 - Bedrock Extraction Well
 - Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - Inactive Bedrock Extraction Well (as of mid-January 2003)
 - Soil Extraction Well
 - Contour of Constant Potentiometric Head (feet amsl)
 - Generalized Direction of Groundwater Flow
 - Groundwater Divide
 - Groundwater Elevation (feet amsl; February 20–March 5, 2012)
 - "c" symbol denotes a dry well. Elevation listed is the bottom elevation of the well

Note: Generally, the data used in contouring this plate is from the deepest of the bedrock wells in a well cluster and corresponds to a screened or open hole interval elevation between approximately 50 and 120 feet amsl (with the exception of PW-23). This elevation interval generally correlates with the principal water-bearing zones in the on-site deep bedrock production wells. (The principal water-bearing zone in PW-23 is at approximately 221 feet amsl, which is significantly higher than the elevation of the principal water-bearing zones in the other production wells.) Only groundwater elevation data from wells used in contouring is shown on this plate.

Extraction Well	Avg. Feb.–Mar. 2012 Flow Rate (GPM)
PW-1	176
PW-2	103
PW-4	121
*PW-5/5A	N/A
*PW-6	N/A
*PW-7	N/A
PW-23	9.5
PW-25	221

*Pump shutdown: 10/22/07

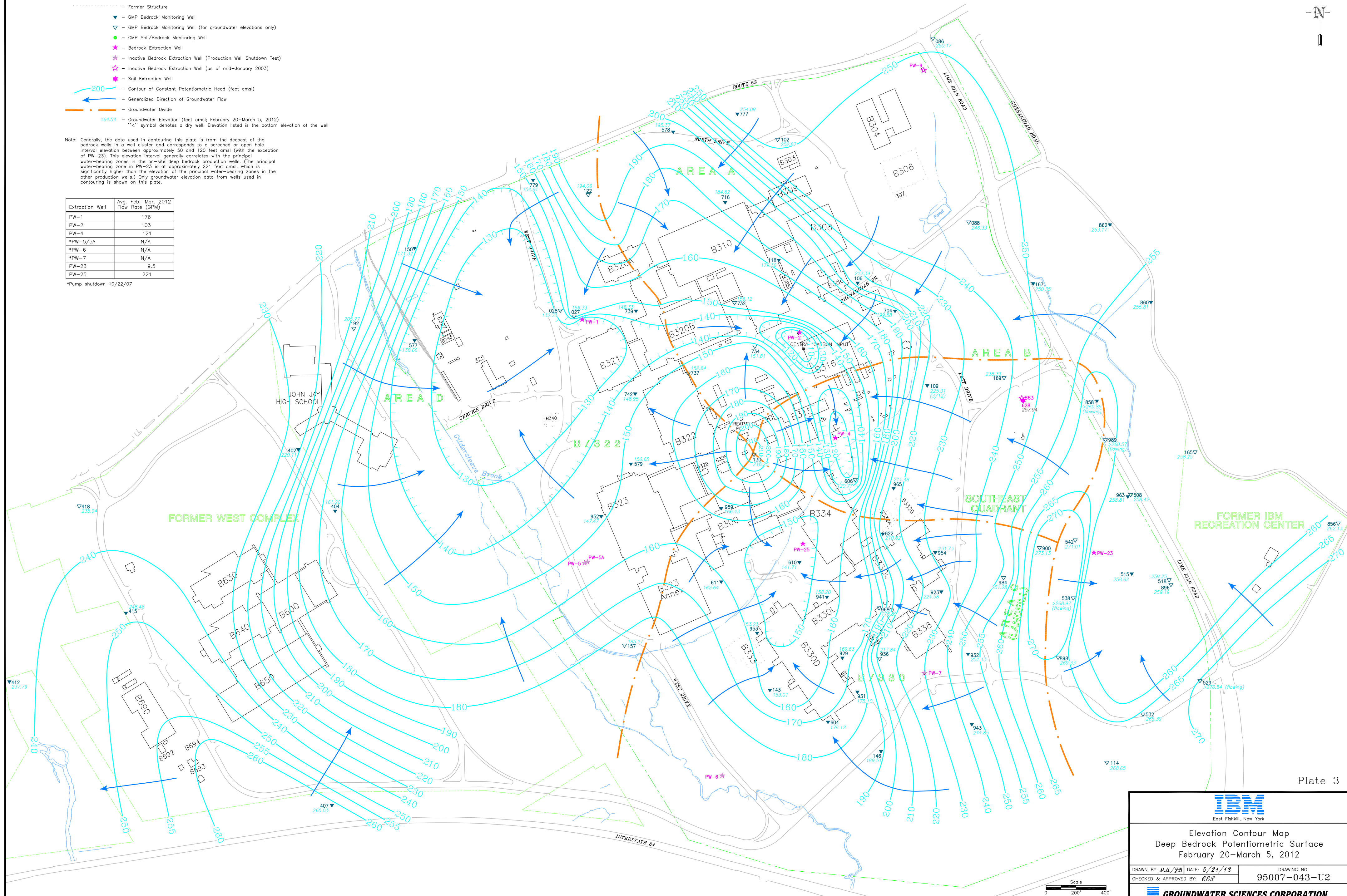


Plate 3



Elevation Contour Map
Deep Bedrock Potentiometric Surface
February 20–March 5, 2012

DRAWN BY: MLU/38 DATE: 5/21/13 DRAWING NO. 95007-043-U2
CHECKED & APPROVED BY: ESJ

GROUNDWATER SCIENCES CORPORATION

LEGEND

- IBM Main Site Property Line
- Former Structure
- GMP Bedrock Monitoring Well
- GMP Bedrock Monitoring Well (for groundwater elevations only)
- GMP Soil/Bedrock Monitoring Well
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well (Production Well Shutdown Test)
- Inactive Bedrock Extraction Well (as of mid-January 2003)
- Soil Extraction Well
- Contour of Constant Potentiometric Head (feet amsl)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- Groundwater Elevation (feet amsl; May 21–June 6, 2012, unless otherwise noted)
- "c" symbol denotes a dry well. Elevation listed is the bottom elevation of the well

Note: Generally, the data used in contouring this plate is from the deepest of the bedrock wells in a well cluster and corresponds to a screened or open hole interval elevation between approximately 50 and 120 feet amsl (with the exception of PW-23). This elevation interval generally correlates with the principal water-bearing zones in the on-site deep bedrock production wells. (The principal water-bearing zone in PW-23 is at approximately 221 feet amsl, which is significantly higher than the elevation of the principal water-bearing zones in the other production wells.) Only groundwater elevation data from wells used in contouring is shown on this plate.

Extraction Well	Avg. May–June 2012 Flow Rate (GPM)
PW-1	193
PW-2	100
PW-4	129
*PW-5/5A	N/A
*PW-6	N/A
*PW-7	N/A
PW-23	11.4
PW-25	238

*Pump shutdown: 10/22/07

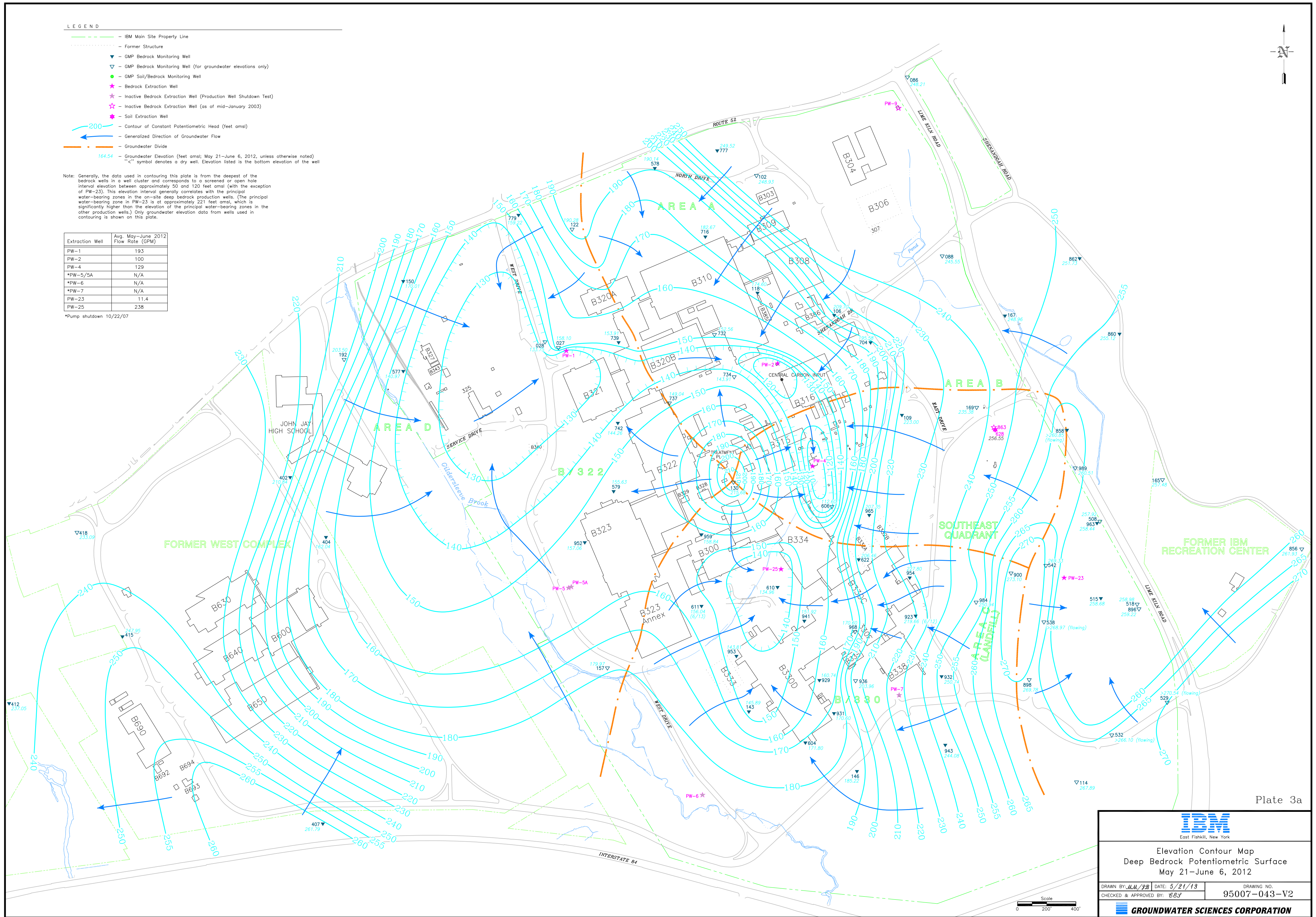


Plate 3a

IBM
East Fishkill, New York

Elevation Contour Map
Deep Bedrock Potentiometric Surface
May 21–June 6, 2012

DRAWN BY: ULM/JSB DATE: 5/21/13 DRAWING NO. 95007-043-V2

CHECKED & APPROVED BY: ESJ

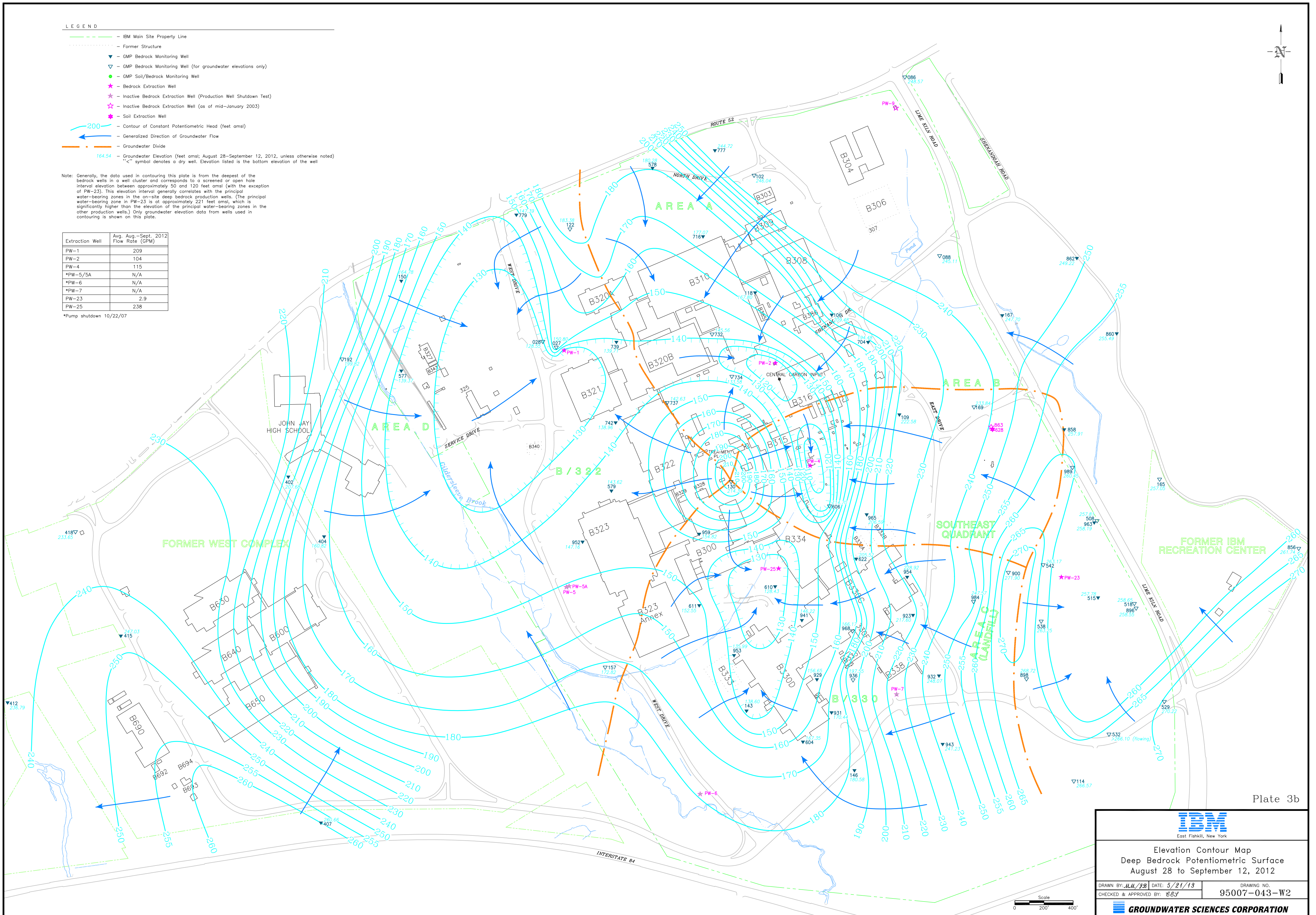
GROUNDWATER SCIENCES CORPORATION

- LEGEND
- IBM Main Site Property Line
 - Former Structure
 - GMP Bedrock Monitoring Well
 - GMP Bedrock Monitoring Well (for groundwater elevations only)
 - GMP Soil/Bedrock Monitoring Well
 - Bedrock Extraction Well
 - Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - Inactive Bedrock Extraction Well (as of mid-January 2003)
 - Soil Extraction Well
 - Contour of Constant Potentiometric Head (feet amsl)
 - Generalized Direction of Groundwater Flow
 - Groundwater Divide
 - Groundwater Elevation (feet amsl; August 28–September 12, 2012, unless otherwise noted)
 - "c" symbol denotes a dry well. Elevation listed is the bottom elevation of the well

Note: Generally, the data used in contouring this plate is from the deepest of the bedrock wells in a well cluster and corresponds to a screened or open hole interval elevation between approximately 50 and 120 feet amsl (with the exception of PW-23). This elevation interval generally correlates with the principal water-bearing zones in the on-site deep bedrock production wells. (The principal water-bearing zone in PW-23 is at approximately 221 feet amsl, which is significantly higher than the elevation of the principal water-bearing zones in the other production wells.) Only groundwater elevation data from wells used in contouring is shown on this plate.

Extraction Well	Avg. Aug.–Sept. 2012 Flow Rate (GPM)
PW-1	209
PW-2	104
PW-4	115
*PW-5/5A	N/A
*PW-6	N/A
*PW-7	N/A
PW-23	2.9
PW-25	238

*Pump shutdown: 10/22/07



East Fishkill, New York

Elevation Contour Map
Deep Bedrock Potentiometric Surface
August 28 to September 12, 2012

DRAWN BY: WU/JS DATE: 5/21/13
CHECKED & APPROVED BY: ESJ

DRAWING NO.
95007-043-W2

GROUNDWATER SCIENCES CORPORATION

- LEGEND
- IBM Main Site Property Line
 - Former Structure
 - GMP Bedrock Monitoring Well
 - GMP Bedrock Monitoring Well (for groundwater elevations only)
 - GMP Soil/Bedrock Monitoring Well
 - Bedrock Extraction Well
 - Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - Inactive Bedrock Extraction Well (as of mid-January 2003)
 - Soil Extraction Well
 - Contour of Constant Potentiometric Head (feet amsl)
 - Generalized Direction of Groundwater Flow
 - Groundwater Divide
 - Groundwater Elevation (feet amsl; November 14–December 4, 2012, unless otherwise noted)
 - "c" symbol denotes a dry well. Elevation listed is the bottom elevation of the well

Note: Generally, the data used in contouring this plate is from the deepest of the bedrock wells in a well cluster and corresponds to a screened or open hole interval elevation between approximately 50 and 120 feet amsl (with the exception of PW-23). This elevation interval generally correlates with the principal water-bearing zones in the on-site deep bedrock production wells. (The principal water-bearing zone in PW-23 is at approximately 221 feet amsl, which is significantly higher than the elevation of the principal water-bearing zones in the other production wells.) Only groundwater elevation data from wells used in contouring is shown on this plate.

Extraction Well	Avg. Nov.–Dec. 2012 Flow Rate (GPM)
PW-1	212
PW-2	92
PW-4	163
*PW-5/5A	N/A
*PW-6	N/A
*PW-7	N/A
PW-23	6.5
PW-25	196

*Pump shutdown: 10/22/07

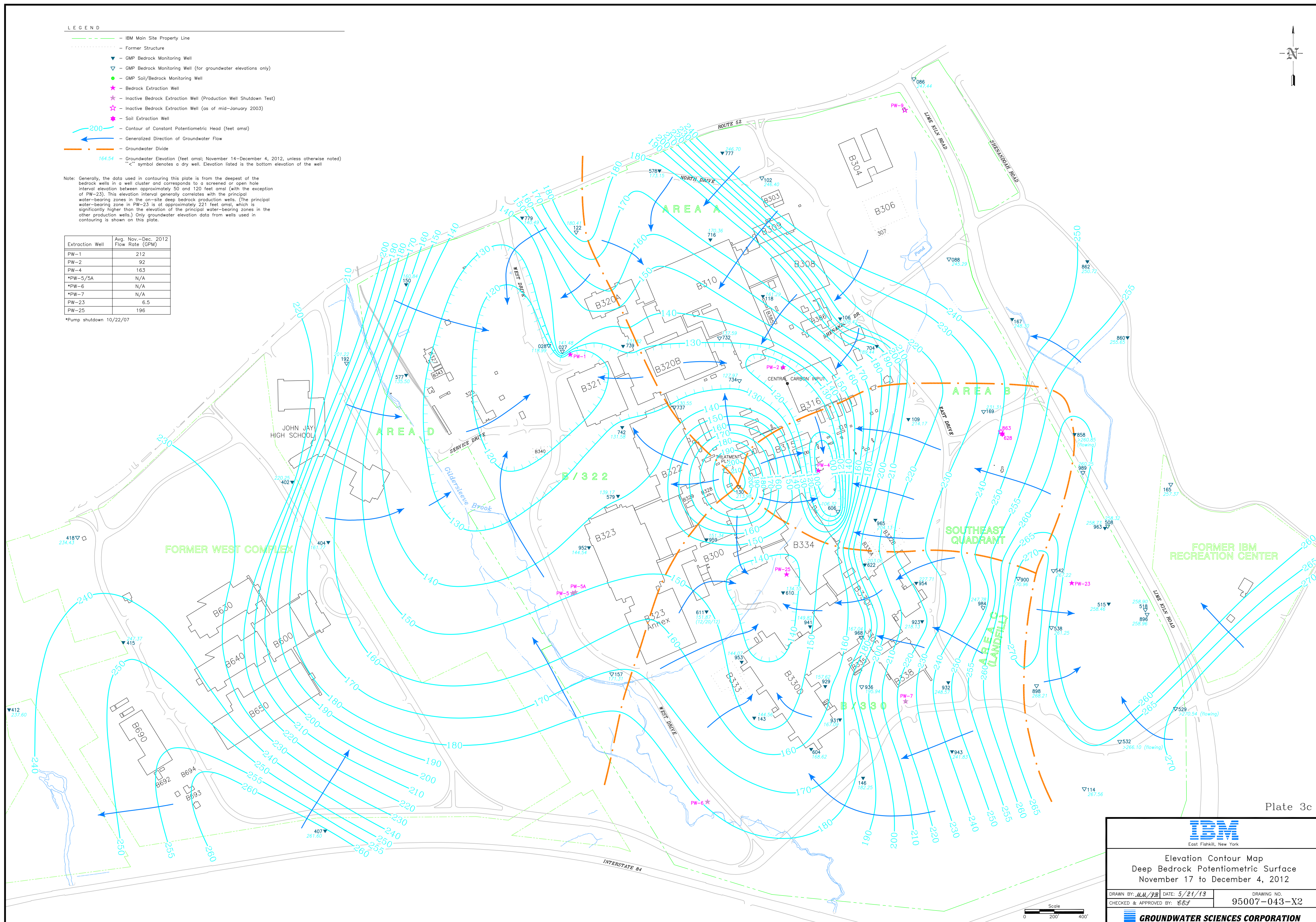


Plate 3c

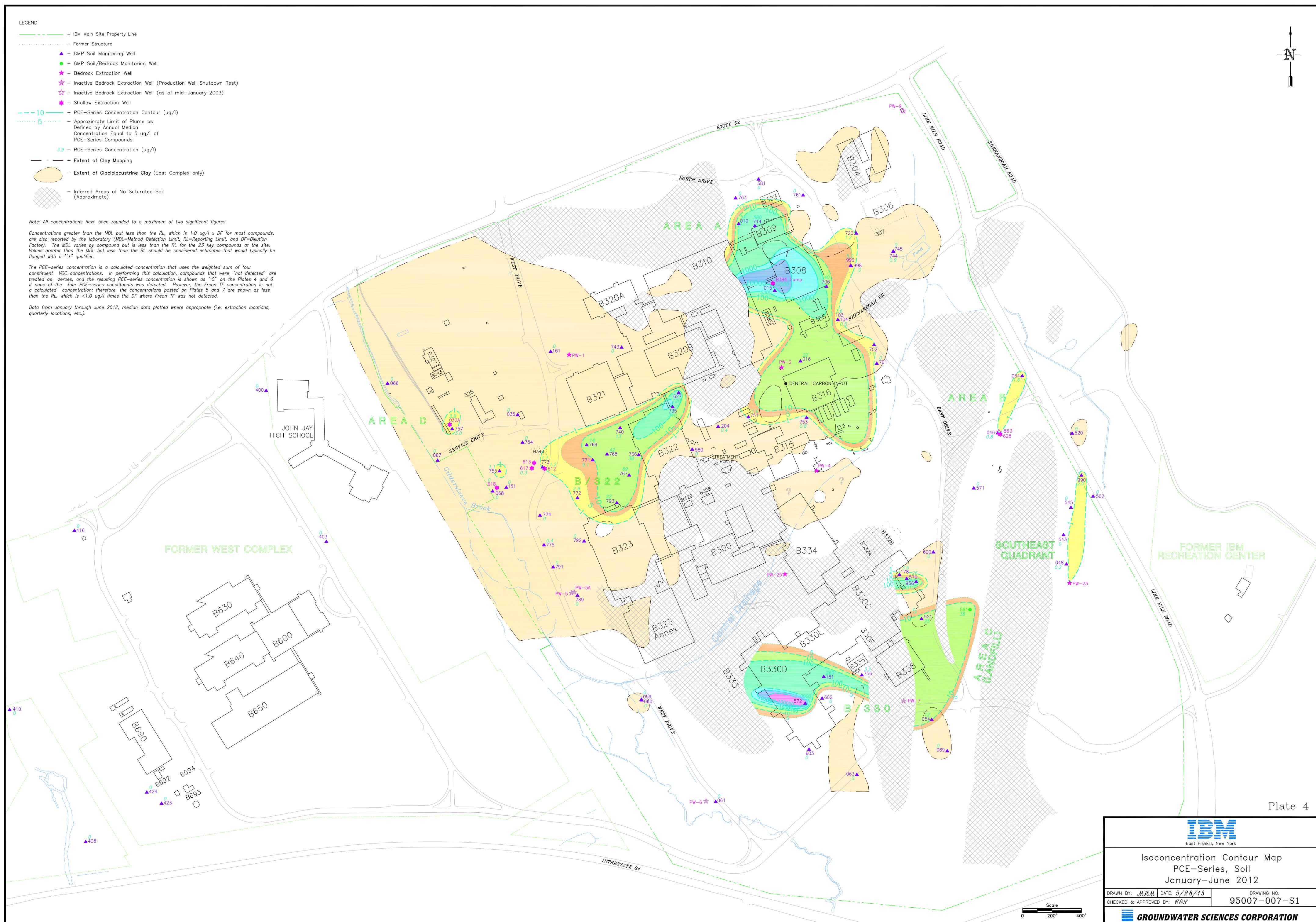


Elevation Contour Map
Deep Bedrock Potentiometric Surface
November 17 to December 4, 2012

DRAWN BY: WU/38 DATE: 5/21/13
CHECKED & APPROVED BY: ESJ

DRAWING NO.
95007-043-X2

GROUNDWATER SCIENCES CORPORATION



Isoconcentration Contour Map
PCE-Series, Soil
January-June 2012

DRAWN BY: *MM* DATE: 5/28/13
CHECKED & APPROVED BY: *ESJ* DRAWING NO. 95007-007-S1

GROUNDWATER SCIENCES CORPORATION

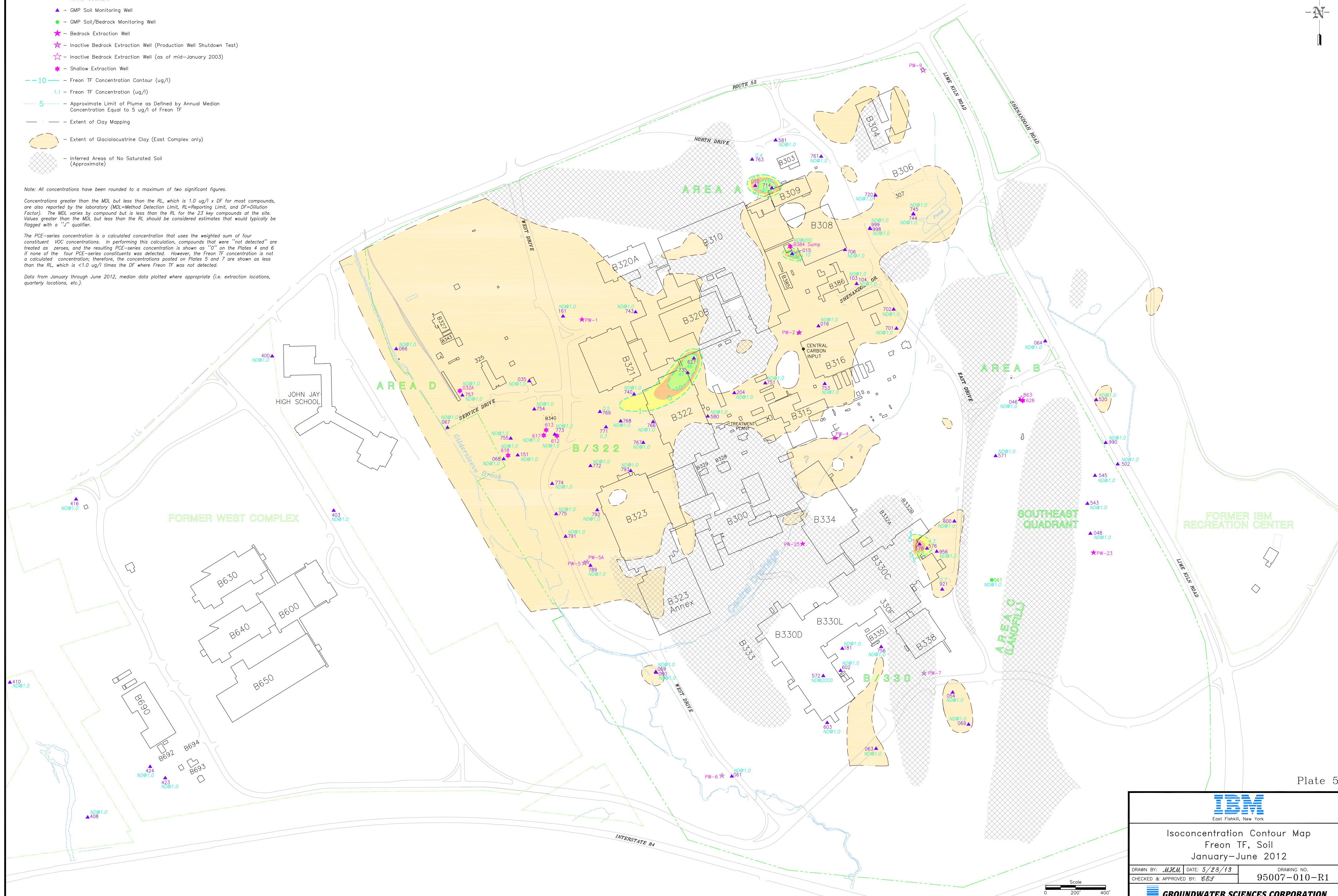
- LEGEND
- IBM Main Site Property Line
 - Former Structure
 - ▲ GMP Soil Monitoring Well
 - GMP Soil/Bedrock Monitoring Well
 - ★ Bedrock Extraction Well
 - ★ Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - ★ Inactive Bedrock Extraction Well (as of mid-January 2003)
 - ★ Shallow Extraction Well
 - 10— Freon TF Concentration Contour (ug/l)
 - 1.1— Freon TF Concentration (ug/l)
 - 5— Approximate Limit of Plume as Defined by Annual Median Concentration Equal to 5 ug/l of Freon TF
 - Extent of Clay Mapping
 - Extent of Glaciolacustrine Clay (East Complex only)
 - Inferred Areas of No Saturated Soil (Approximate)

Note: All concentrations have been rounded to a maximum of two significant figures.

Concentrations greater than the MDL but less than the RL, which is 1.0 ug/l x DF for most compounds, are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). The MDL varies by compound but is less than the RL for the 23 key compounds at the site. Values greater than the MDL but less than the RL should be considered estimates that would typically be flagged with a "J" qualifier.

The PCE-series concentration is a calculated concentration that uses the weighted sum of four constituent VOC concentrations. In performing this calculation, compounds that were "not detected" are treated as zeroes, and the resulting PCE-series concentration is shown as "0" on the Plates 4 and 6 if none of the four PCE-series constituents was detected. However, the Freon TF concentration is not a calculated concentration; therefore, the concentrations posted on Plates 5 and 7 are shown as less than the RL, which is <1.0 ug/l times the DF where Freon TF was not detected.

Data from January through June 2012, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).



 East Fishkill, New York		
Isoconcentration Contour Map Freon TF, Soil January-June 2012		
DRAWN BY: J.M.M.	DATE: 5/28/13	DRAWING NO.
CHECKED & APPROVED BY: G.S.		95007-010-R1
		

- LEGEND
- IBM Main Site Property Line
 - Former Structure
 - ▼ GMP Bedrock Monitoring Well
 - GMP Soil/Bedrock Monitoring Well
 - ★ Bedrock Extraction Well
 - ★ Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - ★ Inactive Bedrock Extraction Well as of mid-January 2003
 - ★ Shallow Bedrock Extraction Well
 - - - 10 - PCE-Series Concentration Contour (ug/l)
 - 41 - PCE-Series Concentration (ug/l)
 - 5 - Approximate Limit of Plume as Defined by Annual Median Concentration Equal to 5 ug/l of PCE-Series Compounds

Note: All concentrations have been rounded to a maximum of two significant figures. "0" means not detected.

Concentrations greater than the MDL but less than the RL, which is 1.0 ug/l x DF for most compounds, are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). The MDL varies by compound but is typically less than the RL for the 23 key compounds at the site. In general, values greater than the MDL but less than the RL should be considered estimates that would typically be flagged with a "J" qualifier.

The PCE-series concentration is a calculated concentration that uses the weighted sum of four constituent VOC concentrations. In performing this calculation, compounds that were "not detected" are treated as zeroes, and the resulting PCE-series concentration is shown as "0" on the Plates 4 and 6 if none of the four PCE-series constituents was detected. However, the Freon TF concentration is not a calculated concentration; therefore, the concentrations posted on Plates 5 and 7 are shown as less than the RL, which is <1.0 ug/l times the DF where Freon TF was not detected.

Data from January through June 2012, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).

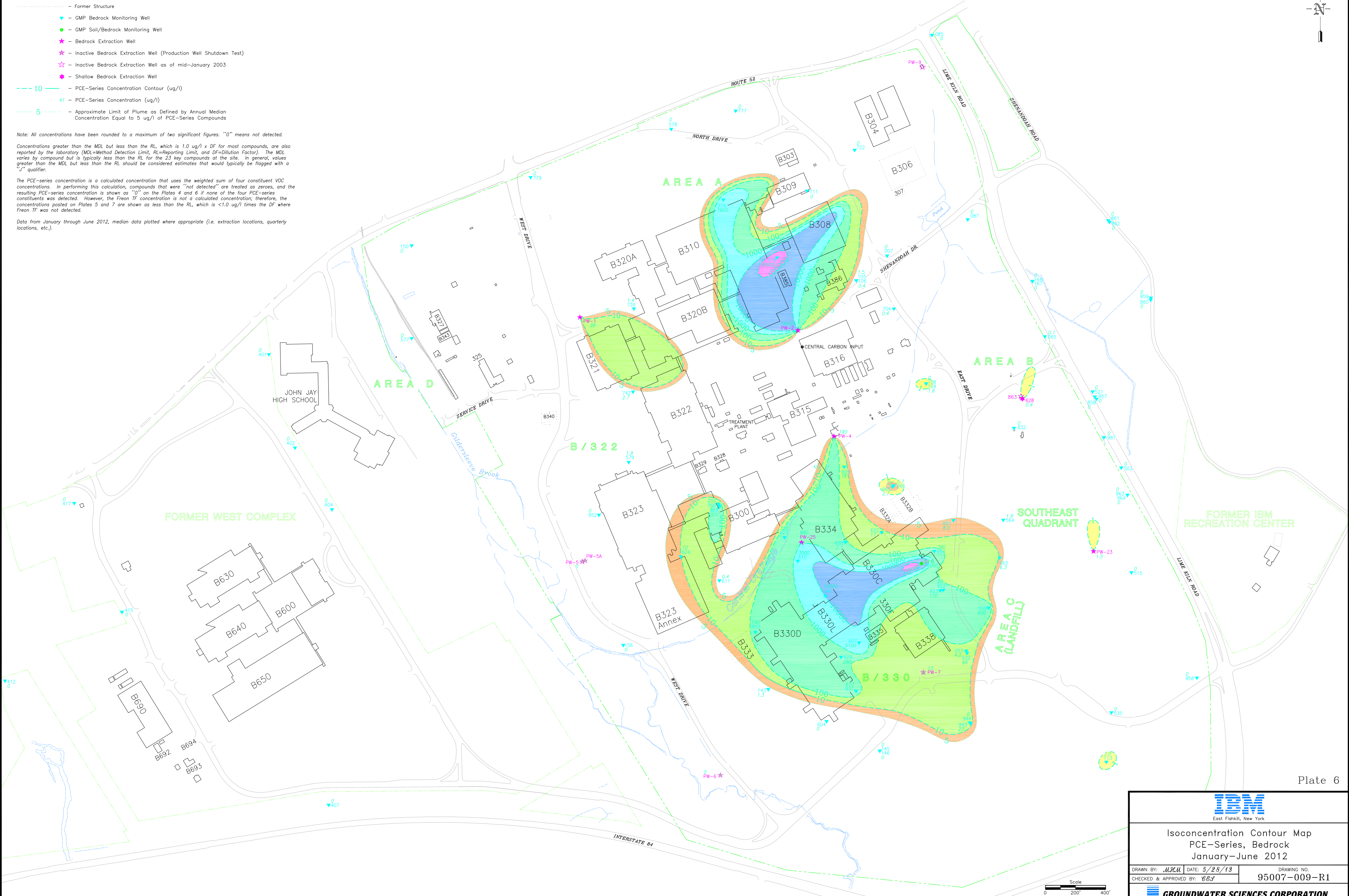


Plate 6



East Fishkill, New York

Isoconcentration Contour Map
PCE-Series, Bedrock
January-June 2012

DRAWN BY: <i>MMU</i>	DATE: 5/28/13	DRAWING NO.
CHECKED & APPROVED BY: <i>ESJ</i>		95007-009-R1



GROUNDWATER SCIENCES CORPORATION

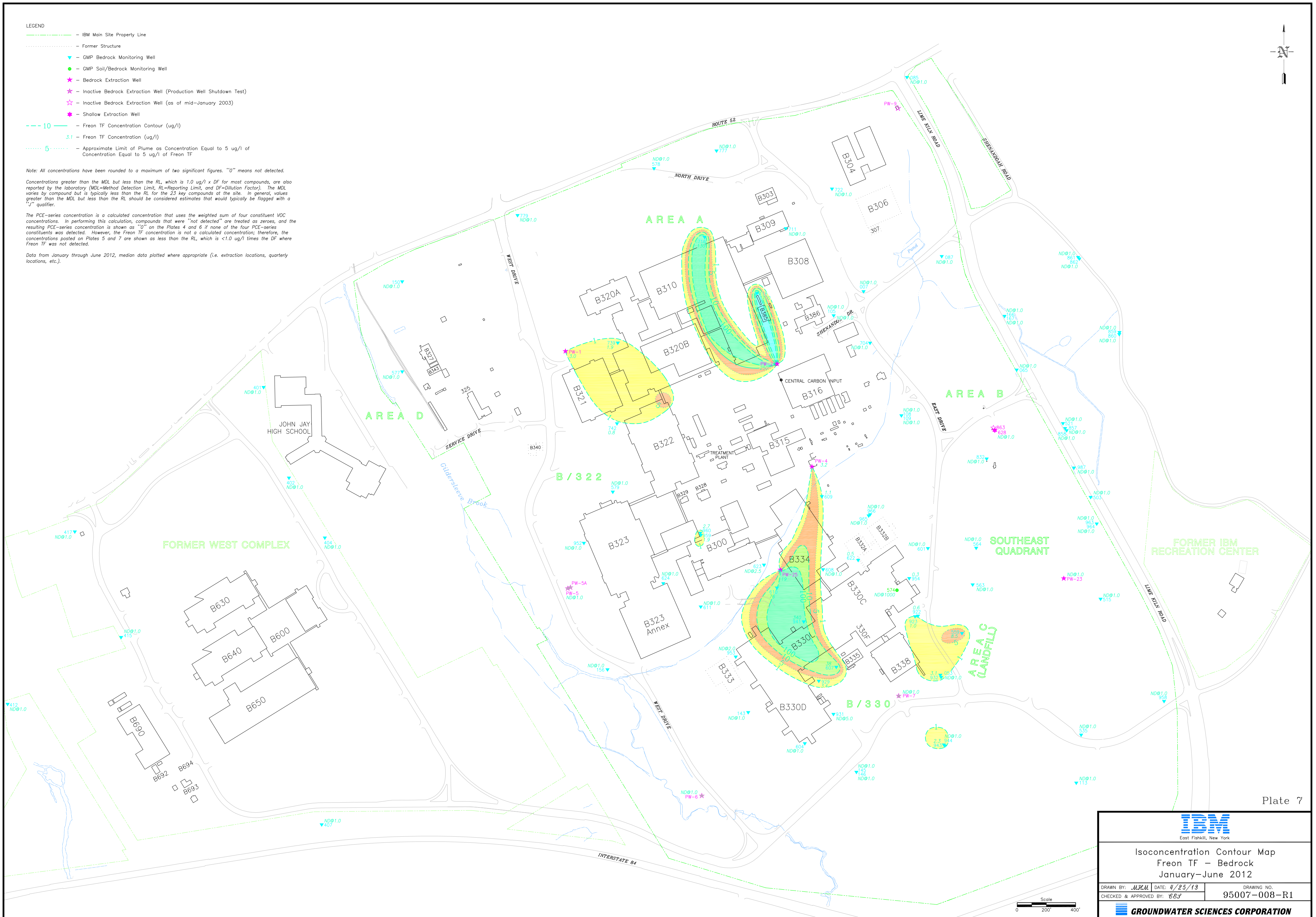
- LEGEND
- IBM Main Site Property Line
 - Former Structure
 - ▼ GMP Bedrock Monitoring Well
 - GMP Soil/Bedrock Monitoring Well
 - ★ Bedrock Extraction Well
 - ★ Inactive Bedrock Extraction Well (Production Well Shutdown Test)
 - ★ Inactive Bedrock Extraction Well (as of mid-January 2003)
 - ★ Shallow Extraction Well
 - 10 --- Freon TF Concentration Contour (ug/l)
 - 3.1 --- Freon TF Concentration (ug/l)
 - 5 --- Approximate Limit of Plume as Concentration Equal to 5 ug/l of Concentration Equal to 5 ug/l of Freon TF

Note: All concentrations have been rounded to a maximum of two significant figures. "0" means not detected.

Concentrations greater than the MDL but less than the RL, which is 1.0 ug/l x DF for most compounds, are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). The MDL varies by compound but is typically less than the RL for the 23 key compounds at the site. In general, values greater than the MDL but less than the RL should be considered estimates that would typically be flagged with a "U" qualifier.

The PCE-series concentration is a calculated concentration that uses the weighted sum of four constituent VOC concentrations. In performing this calculation, compounds that were "not detected" are treated as zeroes, and the resulting PCE-series concentration is shown as "0" on the Plates 4 and 6 if none of the four PCE-series constituents was detected. However, the Freon TF concentration is not a calculated concentration; therefore, the concentrations posted on Plates 5 and 7 are shown as less than the RL, which is <1.0 ug/l times the DF where Freon TF was not detected.

Data from January through June 2012, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).



Isoconcentration Contour Map
Freon TF - Bedrock
January-June 2012

DRAWN BY: *MLM* DATE: *4/25/13* DRAWING NO. 95007-008-R1
CHECKED & APPROVED BY: *ESJ*

GROUNDWATER SCIENCES CORPORATION

Appendix A

Well Specifications and Lists

Table A-1: Hydraulic Effectiveness Monitoring Wells

Table A-2: Well Specifications for the Corrective Action Performance Monitoring Network

Table A-3: Sampling Schedule for the Corrective Action Performance Monitoring Network

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
002	275.39	8518.014	4537.868
003	275.32	8515.747	4538.284
005	255.16	7772.055	6134.484
006	254.38	7764.886	6126.095
007	257.35	7592.128	5547.170
008	265.29	8072.229	5042.508
009	265.35	8067.344	5043.589
010	270.76	8076.990	4661.237
011	266.47	7831.768	4697.559
013	263.26	7630.268	4904.651
014	262.60	7626.342	4906.258
015	262.86	7622.508	4907.920
016	254.91	7140.621	5083.247
017	254.31	7133.611	5089.249
018	257.78	7150.694	4924.310
019	257.70	7155.420	4922.857
020	250.88	6920.006	5024.650
022	250.88	6916.125	5015.190
027	260.24	7204.062	3450.750
028	259.22	7244.167	3358.706
030	232.87	7531.247	2282.942
032A*	230.00	6707.600	2690.000
032B	233.09	6701.970	2690.670
035	249.53	6773.709	3152.987
038	250.61	6320.836	4765.408
039	249.87	6322.183	4769.064
044	267.36	6897.844	5984.595
046	267.59	6649.354	6428.358
048	264.31	5756.458	6897.932
049	266.41	5256.598	6835.595
050	264.51	5251.734	6838.602
053	266.58	4965.757	6073.504
054	264.57	4696.491	5978.780
059	235.94	4833.049	3997.592
060	235.68	4828.527	4000.564
061	244.66	4136.068	4504.733
062	250.13	4322.084	5469.567
063	250.25	4320.995	5467.872
064	259.23	7040.533	6596.366
065	258.76	7055.103	6595.751
066	229.84	6987.994	2265.582

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
067	234.42	6463.455	2607.405
068	233.85	6253.894	2982.574
069	253.69	4482.364	6084.653
075	259.51	7366.983	3317.645
085	276.34	9058.705	5844.268
086	276.34	9058.705	5844.268
087	256.00	7832.757	6082.700
088	256.00	7832.757	6082.700
091	264.37	4806.212	7610.031
092	264.37	4806.212	7610.031
096	275.48	8066.420	5550.380
097	277.69	8070.910	5548.480
098	277.69	8070.910	5548.480
100	267.09	8383.665	4803.894
101	267.09	8384.262	4808.809
102	267.09	8384.262	4808.809
103	257.59	7422.942	5337.874
104	257.59	7422.942	5337.874
105	257.74	7426.962	5342.224
106	257.74	7426.962	5342.224
108	255.45	6742.206	5806.444
109	255.45	6742.206	5806.444
112	269.38	4285.998	7014.122
113	269.01	4227.305	7004.293
114	269.01	4227.305	7004.293
118	263.06	7579.473	4816.285
121	263.18	8015.845	3544.898
122	263.18	8015.845	3544.898
129	252.37	6282.508	4651.089
130	252.37	6282.508	4651.089
143	251.08	4709.770	4756.370
145	253.90	4301.093	5498.184
146	253.90	4301.093	5498.184
147	234.55	7663.575	2397.319
150	234.78	7659.624	2386.796
151	241.06	6279.506	3076.270
156	242.58	5003.112	3793.197
157	243.09	5009.063	3786.807
158	245.05	4084.387	4549.216
161	259.63	7206.137	3378.741
164	273.99	6299.089	7593.114

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
165	273.99	6299.089	7593.114
166	254.58	7422.875	6512.986
167	254.58	7422.875	6512.986
168	265.12	6794.614	6318.692
169	265.12	6794.614	6318.692
170	229.55	6965.743	2292.464
178	267.22	5685.196	5758.662
180	248.31	5035.183	5203.440
181	248.88	4988.890	5242.059
182	236.11	5859.220	2687.226
183	236.11	5859.220	2687.226
185	237.04	6481.471	2316.242
186	237.04	6481.471	2316.242
191	229.18	7123.366	1981.277
192	229.18	7123.366	1981.277
200	266.77	7694.652	4014.447
204	252.79	6694.859	4521.394
224	256.86	6741.816	3477.018
226	233.54	6151.658	3101.790
227	233.08	6144.019	3108.542
400	241.81	6939.843	1437.518
401	242.22	6935.937	1437.490
402	248.66	6315.556	1611.175
403	249.39	5909.759	1848.452
404	248.45	5905.340	1856.890
406	345.32	3941.228	1823.333
407	345.71	3941.830	1834.730
408	244.69	3862.518	206.405
409	243.46	3864.774	184.014
410	250.32	4762.902	-312.676
411	250.37	4767.536	-313.979
412	250.45	4766.660	-316.950
413	249.72	4786.574	-324.033
414	265.28	5214.821	465.867
415	265.73	5224.890	461.160
416	252.61	5985.020	129.180
417	253.31	5947.150	144.346
418	253.40	5938.351	149.519
421	281.02	4083.600	1055.200
422	276.75	4039.800	783.400
423	274.54	4124.489	723.976

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
424	274.95	4200.401	623.235
500	259.89	7545.320	6326.260
501	257.76	7580.570	6317.010
502	259.26	6219.330	7079.510
503	259.88	6183.280	7102.810
504	259.88	6087.120	7153.830
505	259.90	6087.120	7153.830
506	263.85	6010.120	7146.450
507	262.80	6014.130	7163.870
508	262.80	6014.130	7163.870
509	265.32	5912.440	7234.330
510	263.31	5808.400	7224.900
511	263.70	5812.890	7254.280
512	260.94	5734.740	7337.260
513	261.91	5717.960	7357.420
514	261.45	5488.000	7183.300
515	260.81	5486.400	7170.800
516	262.73	5428.830	7424.550
517	262.58	5445.700	7419.710
518	262.58	5445.700	7419.710
519	264.51	5182.090	7626.300
520	262.28	6648.150	6936.870
521	262.24	6688.820	6912.930
522	262.45	6713.370	6899.050
523	273.28	6108.470	8049.880
524	272.91	6095.860	7992.490
525	273.08	6106.720	8040.160
526	271.25	4797.560	7658.790
527	270.38	4770.130	7620.990
528	270.54	4773.360	7625.630
529	270.54	4773.360	7625.630
530	265.25	4538.130	7213.110
531	266.10	4549.280	7245.530
532	266.10	4549.280	7245.530
533	266.56	4566.230	7019.720
534	266.25	4548.820	7051.260
535	266.34	4555.640	7037.660
536	269.12	5346.300	6788.300
537	268.97	5324.500	6780.240
538	268.97	5324.500	6780.240
539	270.44	5478.760	6773.550

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
541	279.98	5711.500	6793.650
542	279.98	5711.500	6793.650
543	263.07	5956.040	6877.880
544	265.72	5988.650	6843.350
545	264.96	6143.040	6928.740
546	266.92	6098.760	6897.090
547	266.11	6140.200	6908.280
548	261.84	5796.160	6945.380
549	262.09	5833.700	6918.700
550	262.09	5833.700	6918.700
551	267.54	5648.190	6900.200
553	267.42	5510.740	6953.610
554	267.31	5525.200	6942.580
556	266.76	5382.290	6916.300
557	268.22	5304.090	6831.390
558	284.02	5270.310	6223.150
559	282.75	5251.530	6221.420
560	282.73	5251.530	6221.420
561	296.33	5445.380	6239.200
562	285.63	5584.350	6294.510
563	285.63	5584.350	6294.510
564	289.59	5835.500	6318.800
565	285.69	6081.080	6428.040
566	285.69	6081.080	6428.040
567	266.64	6656.400	6502.600
568	279.50	6487.650	6526.560
569	279.99	6491.880	6539.820
570	279.99	6491.880	6539.820
571	286.39	6274.080	6265.500
572	251.13	4806.400	5115.400
574	269.09	5547.400	5776.000
576	265.95	5657.000	5807.900
577	230.42	7043.390	2387.000
578	272.35	8432.860	4112.480
579	247.54	6219.930	3828.970
580	258.99	6538.850	4344.560
581	267.23	8381.000	4797.100
600	265.91	5838.318	5989.885
601	266.08	5833.022	5988.055
602	253.38	4841.290	5230.675
603	252.54	4493.647	5141.553

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
604	252.66	4497.252	5144.622
605	253.01	4931.463	4777.329
606	253.27	6115.035	5326.621
607	253.77	5020.203	5360.277
608	255.51	5688.197	5270.023
609	249.18	6188.755	5261.662
610	250.87	5562.575	4953.575
611	244.23	5432.960	4432.190
612	249.89	6407.200	3337.800
613	249.02	6445.900	3265.700
614	230.29	6719.000	2684.000
615	230.82	6710.600	2688.600
616	231.14	6692.800	2698.500
617	248.91	6410.800	3250.200
618	239.17	6276.600	3011.900
619	267.00	6635.600	6432.000
620	259.27	7232.300	3381.700
621	255.80	6776.700	4356.100
622	268.08	5752.000	5510.200
623	246.74	5719.497	4864.655
624	246.31	5592.540	4175.380
626	304.58	5357.900	7953.800
627	262.88	6925.360	4251.830
700	248.79	7121.200	5605.400
701	248.83	7124.900	5603.600
702	255.09	7252.100	5584.800
703	254.89	7255.900	5582.500
704	255.00	7239.500	5591.700
705	259.94	7651.700	5262.600
706	259.92	7649.400	5260.000
707	260.94	7722.600	5252.000
708	260.83	7727.700	5249.900
709	263.98	8017.500	5015.800
710	263.93	7996.700	5047.200
711	263.69	8023.400	5014.200
712	265.48	8180.400	4989.600
714	266.26	8063.100	4772.200
716	272.14	7964.440	4457.970
717	277.47	8063.080	5531.360
718	278.69	8048.650	5496.710
719	279.03	8076.750	5467.890

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
720	275.43	8012.780	5463.900
721	259.92	8290.600	5327.000
722	260.15	8294.500	5330.900
723	269.98	8653.200	5304.700
724	269.70	8649.400	5298.500
725	263.25	8775.600	5647.800
726	262.93	8769.300	5650.200
727	263.49	8779.800	5645.200
728	259.64	8454.300	5785.900
729	260.29	8480.800	5776.200
730	259.41	8448.000	5788.100
732	265.17	7294.800	4520.600
734	261.79	7004.400	4656.100
735	261.06	6828.700	4210.900
737	261.20	6824.500	4211.700
739	261.35	7240.400	3863.800
740	260.62	6685.900	3852.800
742	260.46	6687.600	3858.300
743	261.06	7234.500	3862.800
744	254.46	7887.200	5717.200
745	254.47	7890.300	5716.300
746	254.05	7731.800	5780.900
747	263.77	8480.700	5057.300
748	267.95	8152.000	4774.100
749	263.16	8484.600	5544.700
750	257.15	8325.200	5779.300
751	254.24	6760.000	4728.100
752	260.87	6913.000	4791.600
753	248.38	6755.800	5125.000
754	249.19	6587.200	3187.000
755	238.91	6392.400	3029.900
756	252.61	5000.100	5501.900
757	234.36	6678.800	2706.900
758	260.71	7896.780	5188.710
759	261.20	7893.170	5179.772
760	261.07	7897.478	4995.327
761	264.13	8271.640	5101.240
763	268.68	8252.690	4640.574
766	258.99	6501.571	3979.481
767	252.26	6363.480	3913.980
768	253.31	6506.100	3763.540

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
769	256.86	6569.128	3624.668
770	252.45	6469.710	3671.010
771	252.32	6466.790	3664.890
772	241.83	6208.100	3561.150
773	248.26	6417.860	3323.160
774	244.92	6089.045	3305.752
775	244.65	5886.936	3333.238
776	272.19	8431.465	4148.300
777	276.03	8555.239	4540.041
779	263.34	8113.332	3177.082
782	241.89	6868.581	2812.497
783	242.98	4995.956	3803.820
789	242.66	5542.741	3561.687
791	243.35	5736.641	3395.917
792	243.01	5913.540	3607.460
793	248.89	6174.694	3830.274
799	242.83	4995.150	3809.957
816	263.53	7821.917	4858.527
818	263.58	7728.867	4846.227
819	266.09	7683.873	4739.418
820	263.17	7587.709	4815.166
821	259.25	7595.669	4883.064
822	259.69	7611.786	4925.902
823	262.89	7546.746	5030.185
824	263.17	7533.202	4998.828
826	266.23	7787.289	4717.390
827	266.28	7838.292	4706.758
830	268.16	6631.393	6507.576
831	268.16	6631.393	6507.576
832	281.62	6446.260	6390.277
833	281.62	6446.260	6390.277
835	287.32	5732.456	6298.291
836	287.32	5732.456	6298.291
837	286.45	5650.743	6266.199
838	268.43	5053.607	6148.528
839	235.12	6671.416	2869.429
855	274.71	5839.970	8554.478
856	274.25	5824.081	8548.398
857	262.41	6655.420	6927.500
858	260.85	6639.380	6938.800
859	262.80	7312.421	7300.249

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
860	262.83	7298.574	7298.820
861	267.06	7826.369	7016.729
862	266.13	7816.150	7025.670
863	266.77	6658.536	6436.742
864	263.22	7793.411	4822.753
895	262.21	5420.504	7427.220
896	262.04	5414.132	7431.928
897	270.06	4934.338	6682.141
898	270.12	4928.359	6679.239
899	303.02	5649.460	6555.720
900	302.69	5658.950	6554.370
902	259.14	6196.074	7092.091
903	258.99	6231.299	7073.207
910	271.16	8404.686	5263.731
921	262.48	5383.703	5909.176
922	262.71	5370.449	5919.909
923	262.76	5366.539	5900.128
924	262.83	5382.716	5890.598
928	252.16	4924.716	5240.517
929	252.16	4924.716	5240.517
930	251.84	4664.774	5357.051
931	252.10	4697.190	5340.540
932	267.11	4950.680	6078.512
934	250.21	6719.264	4854.781
935	254.14	4921.320	5488.640
936	254.14	4921.320	5488.640
941	254.52	5331.321	5137.291
943	254.23	4481.165	6103.694
944	254.11	4488.497	6097.271
946	249.87	6172.939	3845.249
947	249.44	6176.877	3837.508
948	249.98	6170.128	3845.793
949	248.46	6194.257	3939.047
952	245.34	5869.760	3631.250
953	251.77	5090.590	4671.000
954	268.20	5627.761	5859.991
955	268.20	5631.698	5865.731
956	268.23	5636.339	5872.566
957	268.28	5640.382	5878.574
958	266.66	4786.231	7605.657
959	251.45	5923.400	4432.322

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
960	251.40	5938.559	4428.870
962	271.82	8425.917	4187.017
963	264.55	6001.330	7144.318
964	264.55	6001.330	7144.318
965	255.40	6056.588	5582.108
966	255.28	6064.807	5592.027
968	271.29	5257.910	5484.861
976	234.73	7274.448	2489.640
980	260.46	7292.800	5019.300
983	305.52	5459.845	6315.578
984	305.45	5459.845	6315.578
985	304.86	5466.675	6322.653
986	304.70	5466.675	6322.653
987	260.20	6384.320	6988.373
988	260.56	6379.532	6995.451
989	260.57	6379.532	6995.451
990	260.08	6361.989	6999.717
991	260.10	6355.954	7002.989
992	260.12	6355.954	7002.989
993	264.50	7465.500	4029.200
994	264.32	7274.400	4052.900
997	257.11	7710.200	5463.800
998	258.02	7789.600	5428.600
999	257.25	7794.100	5426.400

Key:

M.P. = Measuring Point

ft amsl = feet above mean sea level

All coordinates in feet relative to site grid

*Abandoned 10/19/2012, replaced by 032B

Table A-2: Well Specifications
Corrective Action Performance Monitoring Network

Well Number	Current M.P. Elevation (ft amsl)	Baseline Depth to Bottom (ft below M.P.)	Baseline Elevation of Bottom (ft amsl)	Well Diameter (inches)	Screen Length (feet)	Completion Date	Site Area	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
007	257.35	48.1	209.3	2.00	10.0	11/07/1979	Area A	NA
010	270.76	53.8	217.0	2.00	15.0	04/16/1979	Area A	Source
015	262.86	28.3	234.6	2.00	20.0	04/05/1979	Area A	Source
016	254.91	51.1	203.8	4.00	10.0	10/03/1979	Area A	D
032A*	230.00	22.0	208.0	4.00	10.0	01/14/1998	Area D	Source
032B	233.09	22.2	210.9	4.00	5.0	06/14/2011	Area D	Source
035	249.53	28.5	221.0	4.00	20.0	03/24/1979	B/322	S
046	267.59	19.2	248.4	4.00	10.0	11/07/1979	Area B	Source
048	264.31	15.7	248.6	4.00	5.0	11/01/1979	SEQ	Source
053	266.58	38.7	227.9	2.00	15.0	03/02/1979	Landfill	D
054	264.57	28.5	236.1	4.00	10.0	11/06/1979	Landfill	D
059	235.94	17.4	218.5	4.00	10.0	11/01/1979	B/330	U/S
060	235.68	46.4	189.3	4.00	10.0	11/01/1979	B/330	U/S
061	244.66	29.4	215.3	4.00	20.0	03/29/1979	B/330	U/S
063	250.25	54.7	195.6	2.00	10.0	11/13/1979	B/330	U/S
064	259.23	18.2	241.0	4.00	10.0	03/10/1980	Area B	D
065	258.76	43.5	215.3	4.00	10.0	03/18/1980	Area B	D
066	229.84	11.0	218.8	4.00	5.0	03/11/1980	Area D	U
067	234.42	14.7	219.7	2.00	10.0	03/11/1980	Area D	U
068	233.85	23.1	210.8	4.00	15.0	03/19/1980	B/322	D
069	253.69	15.5	238.2	4.00	5.0	03/24/1980	Landfill	S
085	276.34	123.0	153.3	2.00	3.0	12/10/1980	BR	NA
087	256.00	109.7	146.3	2.00	5.0	12/02/1980	BR	NA
103	257.59	14.6	243.0	2.00	1.0	11/21/1980	Area A	D
104	257.59	32.2	225.4	2.00	1.0	11/21/1980	Area A	D
105	257.74	105.4	152.3	2.00	3.0	12/01/1980	BR	NA
106	257.74	150.2	107.5	2.00	5.0	12/01/1980	BR	NA
108	255.45	104.7	150.8	2.00	3.0	12/04/1980	BR	NA
109	255.45	162.6	92.9	2.00	3.0	12/04/1980	BR	NA
113	269.01	110.6	158.4	2.00	5.0	01/14/1981	BR	NA
118	263.06	153.5	109.6	2.00	5.0	12/20/1980	Area A	Source
143	251.08	145.9	105.2	2.00	3.0	12/09/1980	B/330+BR	U
145	253.90	92.2	161.7	2.00	5.0	01/20/1981	B/330+BR	U
146	253.90	147.7	106.2	2.00	5.0	01/20/1981	B/330+BR	U
150	234.78	128.8	106.0	2.00	1.0	11/18/1980	BR	NA
151	241.06	18.4	222.7	2.00	1.0	11/17/1980	B/322	D
156	242.58	86.8	155.8	2.00	3.0	12/05/1980	BR	NA
161	259.63	17.6	242.0	2.00	1.0	04/20/1981	B/322	U
166	254.58	97.4	157.2	2.00	3.0	04/21/1981	BR	NA
167	254.58	148.1	106.5	2.00	3.0	04/21/1981	BR	NA
178	267.22	26.2	241.0	2.00	5.0	04/22/1981	B/330	D
181	248.88	18.1	230.8	4.00	5.0	04/26/1981	B/330	Source
204	252.79	12.9	239.9	2.00	10.0	06/14/1991	Area A	U(B/322), D(AA)
400	241.81	13.6	228.2	4.00	3.0	06/23/1984	WC	NA
401	242.22	97.7	144.5	4.00	10.0	07/01/1984	WC	NA
402	248.66	105.9	142.8	4.00	20.0	05/25/1984	WC	NA
403	249.39	24.9	224.5	4.00	5.0	06/25/1984	WC	NA
404	248.45	126.1	122.4	4.00	10.0	07/18/1984	WC	NA
407	345.71	241.2	104.5	4.00	10.0	07/11/1984	WC	NA
408	244.69	18.6	226.1	4.00	6.0	06/25/1984	WC	NA
410	250.32	18.0	232.3	4.00	3.0	06/24/1984	WC	NA

Table A-2: Well Specifications
Corrective Action Performance Monitoring Network

Well Number	Current M.P. Elevation (ft amsl)	Baseline Depth to Bottom (ft below M.P.)	Baseline Elevation of Bottom (ft amsl)	Well Diameter (inches)	Screen Length (feet)	Completion Date	Site Area	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
412	250.45	95.9	154.5	4.00	10.0	06/24/1984	WC	NA
415	265.73	168.1	97.6	4.00	10.0	06/21/1984	WC	NA
416	252.61	25.3	227.3	4.00	10.0	06/21/1984	WC	NA
417	253.31	96.7	156.6	4.00	10.0	06/24/1984	WC	NA
423	274.54	23.3	251.2	4.00	15.0	10/26/1990	WC	NA
424	274.95	24.6	250.4	4.00	15.0	10/25/1990	WC	NA
502	259.73	35.9	223.8	2.00	10.0	12/23/1986	SEQ	D
503	259.88	51.5	208.4	6.00	OPEN HOLE	01/09/1987	SEQ	D
515	260.81	157.5	103.3	2.00	20.0	04/23/1987	BR	NA
520	262.28	24.8	237.5	2.00	10.0	12/11/1986	SEQ	D
521	262.24	34.9	227.3	2.00	5.0	03/17/1987	BR	D
535	266.34	118.0	148.3	2.00	5.0	04/29/1987	BR	NA
543	263.07	13.1	250.0	2.00	5.0	01/20/1987	SEQ	D
545	264.96	29.8	235.2	2.00	20.5	01/17/1987	SEQ	D
559	282.75	83.5	199.3	2.00	10.0	05/05/1987	Landfill	Source
561	296.33	38.3	258.0	2.00	4.0	04/22/1987	Landfill	Source
563	285.63	130.0	155.6	2.00	15.0	04/28/1987	Landfill+BR	U
564	289.59	94.5	195.1	2.00	5.0	04/21/1987	BR	NA
571	286.39	15.0	271.4	2.00	4.0	03/17/1987	Area B	U
572	251.13	16.6	234.5	2.00	5.0	04/13/1989	B/330	Source
574	269.09	32.6	236.5	2.00	5.0	10/19/1989	B/330	Source
576	265.95	19.9	246.1	2.00	5.0	12/17/1991	B/330	Source
577	230.42	223.3	7.1	2.00	20.0	12/22/1994	BR	NA
578	272.35	200.1	72.2	2.00	20.0	02/24/1995	BR	NA
579	247.54	254.2	-6.7	2.00	20.0	04/06/1995	B/322+BR	NA
580	258.99	19.2	239.8	2.00	10.0	03/31/1995	B/322	U
581	267.23	28.9	238.3	2.00	5.0	06/20/1996	Area A	U
600	265.91	19.9	246.0	2.00	10.0	11/01/1996	B/330	U/S
601	266.08	137.7	128.4	2.00	5.0	10/16/1996	B/330	S
602	253.38	22.5	230.9	2.00	10.0	10/30/1996	B/330	S
603	252.54	26.0	226.5	2.00	10.0	10/31/1996	B/330	U
604	252.66	139.4	113.3	2.00	10.0	10/18/1996	B/330	U
607	253.77	118.9	134.9	2.00	20.0	12/06/1996	B/330+BR	Source
608	255.51	62.5	193.0	2.00	10.0	12/09/1996	B/330+BR	D
609	249.18	235.3	13.9	2.00	10.0	12/13/1996	B/330+BR	D
610	250.87	180.6	70.3	2.00	20.0	12/20/1996	B/330+BR	D/S
611	244.23	216.6	27.6	2.00	20.0	01/30/1997	B/330+BR	D/S
612	249.89	33.4	216.5	4.00	15.2	12/02/1997	B/322	D
613	249.02	33.6	215.4	4.00	15.2	12/03/1997	B/322	D
617	248.91	40.4	208.5	4.00	15.0	08/12/1998	B/322	D
618	239.17	32.5	206.7	4.00	15.0	08/11/1998	B/322	D
622	268.08	218.3	49.8	2.00	20.1	02/10/1999	B/330+BR	D
623	246.01	338.7	-92.7	2.00	15.0	02/26/1999	B/330+BR	D
624	246.31	364.0	-117.7	2.00	10.0	03/12/1999	B/330+BR	D
627	262.88	18.7	244.2	2.00	10.0	04/17/2000	B/322	U(B/322), D(AA)
628	267.42	64.2	203.2	4.00	40.0	04/12/2001	Area B	Source
701	248.83	20.0	228.8	2.00	5.0	12/04/1986	Area A	D
702	255.09	17.7	237.4	2.00	5.0	12/05/1986	Area A	D
704	255.00	347.0	-92.0	6.00	OPEN HOLE	12/04/1986	BR	NA
706	259.92	45.4	214.5	2.00	10.0	11/22/1986	Area A	D
711	263.69	349.3	-85.6	6.00	OPEN HOLE	10/15/1986	BR	NA

Table A-2: Well Specifications
Corrective Action Performance Monitoring Network

Well Number	Current M.P. Elevation (ft amsl)	Baseline Depth to Bottom (ft below M.P.)	Baseline Elevation of Bottom (ft amsl)	Well Diameter (inches)	Screen Length (feet)	Completion Date	Site Area	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
714	266.26	37.4	228.9	2.00	10.0	11/28/1986	Area A	Source
716	272.14	171.2	100.9	4.00	20.0	10/20/1986	BR	NA
720	275.43	53.1	222.4	2.00	22.5	01/07/1987	Area A	U
722	260.15	350.6	-90.5	6.00	OPEN HOLE	10/03/1986	BR	NA
735	261.06	25.5	235.6	2.00	10.0	12/11/1986	B/322	Source
739	261.35	214.4	47.0	4.00	40.0	10/26/1986	BR	NA
740	260.62	25.3	235.3	2.00	10.0	12/06/1986	B/322	D
742	260.46	221.6	38.9	4.00	80.0	10/30/1986	B/322+BR	NA
743	261.06	19.5	241.6	2.00	10.0	05/09/1987	B/322	U/S
744	254.46	28.7	225.8	2.00	5.0	08/18/1987	Area A	U
745	254.47	14.4	240.1	2.00	5.0	08/19/1987	Area A	U
751	254.24	13.4	240.8	4.00	6.0	07/23/1987	Area A	D
753	248.38	13.1	235.3	4.00	3.6	07/27/1987	Area A	D
754	249.19	22.8	226.4	4.00	15.0	07/17/1987	B/322	D/S
755	238.91	23.2	215.7	4.00	16.0	07/17/1987	B/322	D/S
756	252.61	20.0	232.6	4.00	12.0	07/09/1987	B/330	D
757	234.36	20.3	214.1	2.00	10.0	09/25/1987	Area D	Source
761	264.13	32.6	231.5	2.00	10.0	11/09/1990	Area A	U
763	268.68	49.7	219.0	2.00	5.0	10/12/1990	Area A	U
766	258.99	25.6	233.4	2.00	5.0	10/24/1990	B/322	Source
767	252.26	18.4	233.8	2.00	10.0	11/20/1990	B/322	Source
768	253.31	22.8	230.5	2.00	10.0	10/19/1990	B/322	D
769	256.86	26.9	230.0	2.00	10.0	10/22/1990	B/322	D
771	252.32	18.7	233.6	2.00	5.0	10/18/1990	B/322	D
772	241.83	18.8	223.0	2.00	10.0	11/20/1990	B/322	D
773	248.26	28.9	219.4	2.00	10.0	11/19/1990	B/322	D
774	244.92	30.1	214.8	2.00	10.0	10/23/1990	B/322	D
775	244.65	30.4	214.3	2.00	10.0	11/16/1990	B/322	D
777	276.03	130.5	145.5	2.00	10.0	12/21/1990	BR	NA
779	263.34	233.0	30.3	2.00	10.0	12/21/1990	BR	NA
789	242.66	21.3	221.4	2.00	10.0	05/09/1991	B/322	D
791	243.35	22.5	220.9	2.00	10.0	05/02/1991	B/322	D
792	243.01	20.9	222.1	2.00	10.0	06/04/1991	B/322	D
793	248.89	29.5	219.4	2.00	10.0	06/11/1991	B/322	D
832	281.62	30.4	251.2	2.00	5.0	03/23/1982	Area B	U
857	261.41	110.9	150.5	4.00	3.0	06/28/1982	BR	NA
858	260.85	159.0	101.8	4.00	5.0	06/25/1982	BR	NA
859	262.80	102.8	160.0	4.00	5.0	07/02/1982	SEQ	NA
860	262.83	153.3	109.5	4.00	5.0	07/01/1982	SEQ	NA
861	267.06	103.0	164.1	2.00	5.0	07/06/1982	SEQ	NA
862	266.13	151.4	114.8	2.00	6.0	07/05/1982	SEQ	NA
921	262.48	86.2	176.3	3.75	10.0	03/27/1984	B/330	D
922	262.71	116.6	146.1	3.75	10.0	04/24/1984	B/330	D
923	262.76	160.9	101.9	2.00	10.0	04/04/1984	B/330	D
929	252.16	152.9	99.3	2.00	10.0	06/14/1984	B/330	U
931	252.10	151.5	100.6	3.75	10.0	05/23/1984	B/330	S
932	267.11	172.8	94.3	4.00	20.0	05/24/1984	Landfill+BR	D
941	254.52	134.1	120.4	4.00	20.0	12/08/1984	B/330	D
943	254.23	144.1	110.1	4.00	20.0	01/09/1985	Landfill+BR	D
944	254.11	71.9	182.2	4.00	20.0	01/14/1985	Landfill	D
952	245.34	198.0	47.3	4.00	40.0	02/01/1985	B/322+BR	NA

Table A-2: Well Specifications
Corrective Action Performance Monitoring Network

Well Number	Current M.P. Elevation (ft amsl)	Baseline Depth to Bottom (ft below M.P.)	Baseline Elevation of Bottom (ft amsl)	Well Diameter (inches)	Screen Length (feet)	Completion Date	Site Area	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
953	251.77	153.1	98.7	4.00	10.0	02/07/1985	B/330+BR	D/S
954	268.20	172.5	95.7	4.00	20.0	02/12/1985	B/330	U
956	268.23	107.7	160.5	4.00	10.0	02/18/1985	B/330	U
958	266.66	106.4	160.3	4.00	20.0	02/20/1986	BR	NA
959	251.45	157.4	94.1	4.00	10.0	02/21/1985	B/322+BR	Source
960	251.40	90.6	160.8	4.00	20.0	02/22/1985	B/322+BR	Source
963	264.55	165.4	99.2	2.00	20.0	03/01/1985	BR	NA
964	264.55	95.3	169.3	2.00	10.0	03/01/1985	BR	NA
965	255.40	144.8	110.6	4.00	10.0	03/05/1985	B/330+BR	U
966	255.28	126.3	129.0	4.00	35.0	03/06/1985	B/330+BR	U
987	260.20	44.8	215.4	6.00	10.0	08/04/1986	SEQ	D
990	260.08	20.8	239.3	4.00	5.0	08/06/1986	SEQ	D
998	258.02	21.8	236.2	2.00	5.0	07/27/1987	Area A	D
999	257.25	52.9	204.4	2.00	10.0	07/23/1987	Area A	D
PW-1	262.24	541	-278.8	12.0	OPEN HOLE	1962	BR	NA
PW-2	255.34	277.5	-22.2	12.0	OPEN HOLE	1963	BR	NA
PW-4	248.73	265	-16.3	8.0	40.0	1968	BR	NA
PW-5	241.88	542	-300.1	10.0	OPEN HOLE	1970	BR	NA
PW-5A	242.01	522	-280.0	12.0	425.7	1984	BR	NA
PW-6	244.19	439	-194.8	12.0	OPEN HOLE	1979	BR	NA
PW-7	268.16	747	-478.8	12.0	OPEN HOLE	1979	B/330+BR	D
PW-9*	263.50	702	-438.5	14.0	OPEN HOLE	1981	BR	NA
PW-23	266.97	48.0	219.0	6.00	OPEN HOLE	03/03/1987	SEQ	Source
PW-25	250.53	432.3	-181.8	10.0	91.1	06/15/2000	B/330+BR	NA

Key:

Landfill = Landfill (Area C)

B/330 = Building 330 (Area C)

B/322 = Building 322

SEQ = Southeast Quadrant

BR = Bedrock

WC = West Complex

NA = Not applicable or not available

ft amsl = feet above mean sea level

M.P. = measuring point (generally a survey mark at top of inner monitoring pipe or casing)

*Abandoned 10/19/2012, replaced by 032B

Table A-3: Sampling Schedule
Corrective Action Performance Monitoring Network

Well	Area of Concern	Sampling Frequency	Inorganics	Monitoring Category					
				CAM	PCT	CRM	POC	DM	AM
007	Area A	S	X1	X					
010	Area A	S	X1	X		X			
015	Area A	S	X1	X					
016	Area A	S	X1	X		X			
032A**/032B	Area D	M		X	X	X			
035	B/322	A	X2						X
046	Area B	S		X					
048	SEQ	Q		X					
053	Landfill	S		X					
054	Landfill	S		X					
059	B/330	A							X
060	B/330	A							X
061	B/330	A							X
063	B/330	A							X
064	Area B	Q		X			X		
065	Area B	Q		X			X		
066	Area D	Q		X			X		
067	Area D	Q		X			X		
068	B/322	Q	X2	X					
069	Landfill	S		X					
085	BR	S		X					
087	BR	S		X					
103	Area A	S	X1	X		X			
104	Area A	S	X1	X		X			
105	BR	S		X		X			
106	BR	S		X					
108	BR	S		X					
109	BR	S		X					
113	BR	Q		X					
118	Area A	S	X1	X					
143	B/330+BR	S		X					
145	B/330+BR	A							X
146	B/330+BR	A							X
150	BR	S		X					
151	B/322	S	X2	X					
156	BR	S		X					
161	B/322	A	X2						X
166	BR	S		X					
167	BR	S		X					
178	B/330	A		X					
181	B/330	S		X					
204	Area A	A	X1	X					
360/COMB	B/322	M			X				
400	WC	S						X	
401	WC	S						X	
402	WC	S						X	
403	WC	S						X	
404	WC	S						X	
407	WC	S						X	
408	WC	S						X	
410	WC	S						X	
412	WC	S						X	

Table A-3: Sampling Schedule
Corrective Action Performance Monitoring Network

Well	Area of Concern	Sampling Frequency	Inorganics	Monitoring Category					
				CAM	PCT	CRM	POC	DM	AM
415	WC	S						X	
416	WC	S						X	
417	WC	S						X	
423	WC	S						X	
424	WC	S						X	
502	SEQ	Q		X					
503	SEQ	Q		X					
515	BR	Q		X					
520	SEQ	Q		X					
521	BR	Q		X					
535	BR	Q		X					
543	SEQ	Q		X					
545	SEQ	Q		X					
559	Landfill	S		X					
561	Landfill	S		X					
563	Landfill&BR	S		X					
564	BR	S		X					
571	Area B	Q		X					
572	B/330	A							X
574	B/330	A							X
576	B/330	S		X					
577	BR	S		X					
578	BR	S		X					
579	BR+B/322	S	X2	X					
580	B/322	A	X2						X
581	Area A	S	X1	X					
600	B/330	A							X
601	B/330	A							X
602	B/330	A							X
603	B/330	A							X
604	B/330	A							X
607	B/330+BR	A							X
608	B/330+BR	A		X					
609	B/330+BR	S		X					
610	B/330+BR	S		X					
611	B/330+BR	S		X					
612	B/322	M		X	X	X			
*613	B/322	M		X	X	X			
617	B/322	M		X	X	X			
618	B/322	M		X	X	X			
622	B/330+BR	S		X					
623	B/330+BR	S		X					
624	B/330+BR	S		X					
627	B/322	A	X2,X3						X
701	Area A	S	X1	X					
702	Area A	S	X1	X					
704	BR	S		X					
706	Area A	S	X1	X					
711	BR	S		X					
714	Area A	S	X1	X		X			
716	BR	S		X		X			
720	Area A	S	X1	X					

Table A-3: Sampling Schedule
Corrective Action Performance Monitoring Network

Well	Area of Concern	Sampling Frequency	Inorganics	Monitoring Category					
				CAM	PCT	CRM	POC	DM	AM
722	BR	S		X					
735	B/322	S	X2,X3	X					
739	BR	S		X					
740	B/322	A	X2	X					
742	BR+B/322	S	X2	X					
743	B/322	A	X2						X
744	Area A	Q	X1	X					
745	Area A	Q	X1	X					
751	Area A	S	X1	X					
753	Area A	S	X1	X					
754	B/322	A	X2						X
755	B/322	Q	X2	X					
756	B/330	A		X					
757	Area D	Q		X					
761	Area A	S	X1	X					
763	Area A	S	X1	X					
766	B/322	S	X2,X3	X					
767	B/322	S	X2	X					
768	B/322	S	X2,X3	X					
769	B/322	S	X2,X3	X					
771	B/322	A	X2	X					
772	B/322	Q	X2,X3	X					
773	B/322	Q	X2	X					
774	B/322	Q	X2	X					
775	B/322	A	X2						X
777	BR	S		X					
779	BR	S		X					
789	B/322	A	X2						X
791	B/322	A	X2						X
792	B/322	A	X2						X
793	B/322	S	X2,X3	X					
832	Area B	Q		X					
857	BR	Q		X					
858	BR	Q		X					
859	SEQ	Q		X					
860	SEQ	Q		X					
861	SEQ	Q		X					
862	SEQ	Q		X					
628	Area B	M		X	X	X			
628 GAC	Area B	M			X				
921	B/330	S		X					
922	B/330	S		X					
923	B/330	S		X					
929	B/330	S		X					
931	B/330	S		X					
932	Landfill&BR	S		X					
941	B/330	S		X					
943	Landfill&BR	S		X		X			
944	Landfill	S		X					
952	BR+B/322	S	X2	X					
953	B/330+BR	S		X					
954	B/330	S		X					

**Table A-3: Sampling Schedule
Corrective Action Performance Monitoring Network**

Well	Area of Concern	Sampling Frequency	Inorganics	Monitoring Category					
				CAM	PCT	CRM	POC	DM	AM
956	B/330	S		X					
958	BR	Q		X					
959	BR+B/322	S	X2	X					
960	BR+B/322	S	X2	X					
963	BR	Q		X					
964	BR	Q		X					
965	B/330+BR	S		X					
966	B/330+BR	S		X					
987	SEQ	Q		X			X		
990	SEQ	Q		X			X		
998	Area A	S	X1	X					
999	Area A	S	X1	X					
GACIN/316	BR	M			X				
PW-1	BR	M	X4	X	X	X			
PW-2	BR	M	X4	X	X	X			
PW-4	BR	M	X4	X	X	X			
PW-5/5A	BR	M	X4	X	X	X			
PW-6	BR	M	X4	X	X				
PW-7	BR & B/330	M	X5	X	X	X			
*PW-9	BR	M	X6	X	X	X			
PW-23	SEQ	M		X					
PW-25	BR & B/330	M	X4	X	X	X			
SUMP/B384	Area A	M	X1	X	X	X			

Key:

Landfill = Landfill (Area C)
 B/330 = Building 330 (Area C)
 B/322 = Building 322
 SEQ = Southeast Quadrant
 BR = Bedrock
 WC = West Complex

A = Annual
 S = Semiannual

CAM = Corrective Action Monitoring
 PCT = Process Control for Treatment
 CRM = Contaminant Reduction Monitoring
 POC = Point of Compliance Monitoring
 DM = Detection Monitoring
 AM = Annual Monitoring

Q = Quarterly
 M = Monthly
 M* = Monthly when used as a backup well
 * = PW-9 and GW613 are sampled only when in use.
 Current status for both wells is emergency use only.
 ** Abandoned 10/19/2012, replaced by 032B

All listed monitoring wells are hydraulic effectiveness monitoring wells. Refer to Table A-1 for complete list.

X = Sample all listed wells for Volatile Organics.

X1 = Sample for Total Fluoride and Chromium (dissolved & total) .

X2 = Sample for Total Fluoride, Arsenic (dissolved & total) and Chromium (dissolved & total).

X3 = Sample annually for Nickel (dissolved & total).

X4 = Sample quarterly for Total Fluoride, Arsenic (dissolved & total) and Chromium (dissolved & total).

X5 = Sample monthly for Total Fluoride, Arsenic (dissolved & total) and Chromium (dissolved & total).

X6 = Sample quarterly for Inorganics only when in use. (PW-9 is used only for emergencies.)

Appendix B

Quarterly Groundwater Elevation Data, 2012

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 1 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
002	02/20/2012	256.94	06/04/2012	251.57	08/29/2012	248.38	11/28/2012	250.39
003	02/20/2012	256.89	06/04/2012	251.51	08/29/2012	248.15	11/28/2012	250.11
005	02/23/2012	249.41	05/29/2012	248.13	08/31/2012	248.14	12/03/2012	248.13
006	02/23/2012	249.16	05/29/2012	247.87	08/31/2012	246.81	12/03/2012	247.91
007	02/21/2012	239.23	05/24/2012	239.41	08/29/2012	237.54	11/28/2012	237.79
008	02/21/2012	247.45	06/06/2012	244.88	08/29/2012	243.12	11/29/2012	244.14
009	02/21/2012	247.12	06/06/2012	244.44	08/29/2012	242.48	11/29/2012	243.57
010	02/20/2012	233.06	05/22/2012	228.74	08/29/2012	229.17	11/27/2012	228.02
011	02/21/2012	253.90	05/24/2012	253.58	08/29/2012	254.66	11/29/2012	253.96
013	02/23/2012	221.12	06/01/2012	218.23	09/06/2012	218.45	12/03/2012	218.60
014	02/23/2012	211.31	06/01/2012	206.04	09/06/2012	202.13	12/03/2012	200.93
015	02/23/2012	244.72	06/01/2012	244.36	09/06/2012	245.02	12/03/2012	244.54
016	02/22/2012	219.81	06/04/2012	218.13	08/28/2012	219.24	11/29/2012	218.96
017	02/22/2012	244.48	06/04/2012	244.19	08/28/2012	244.94	11/29/2012	244.51
018	02/22/2012	193.15	06/04/2012	185.34	09/06/2012	187.87	12/04/2012	188.18
019	02/22/2012	246.14	06/04/2012	244.77	09/06/2012	245.30	12/04/2012	245.60
020	03/02/2012	221.07	06/06/2012	221.07	08/30/2012	221.58	12/03/2012	221.03
022	03/02/2012	239.95	06/06/2012	239.79	08/30/2012	239.82	12/03/2012	239.60
027	02/20/2012	156.33	05/23/2012	158.10	08/28/2012	150.80	11/28/2012	141.48
028	02/20/2012	132.73	05/23/2012	133.75	08/28/2012	128.55	11/28/2012	118.99
030	02/20/2012	226.42	05/21/2012	224.60	08/30/2012	224.62	12/20/2012	226.48
*032A/032B	02/20/2012	223.65	05/21/2012	221.87	08/30/2012	222.42	11/30/2012	214.95
035	02/20/2012	241.10	05/22/2012	239.71	09/12/2012	238.66	11/30/2012	239.32
038	02/22/2012	228.73	05/22/2012	229.19	08/29/2012	DRY	11/29/2012	228.57
039	02/22/2012	217.89	05/22/2012	212.12	08/29/2012	214.74	11/29/2012	210.54
044	02/21/2012	245.50	05/25/2012	245.55	08/28/2012	245.49	11/27/2012	DRY
046	02/21/2012	258.23	06/04/2012	256.22	08/30/2012	249.34	11/27/2012	253.39
048	02/21/2012	258.26	05/31/2012	258.27	08/30/2012	257.40	11/28/2012	258.26
049	02/21/2012	259.03	05/31/2012	258.93	08/30/2012	258.11	11/28/2012	258.59
050	02/21/2012	259.39	05/31/2012	259.30	08/30/2012	258.47	11/28/2012	258.99
053	02/22/2012	250.99	05/23/2012	250.96	09/06/2012	248.51	12/04/2012	247.95
054	02/21/2012	250.50	05/25/2012	250.48	08/29/2012	249.16	11/27/2012	249.04
059	02/21/2012	230.13	05/25/2012	228.86	08/29/2012	227.01	11/27/2012	230.78
060	02/21/2012	211.18	05/25/2012	207.15	08/29/2012	207.02	11/27/2012	209.83
061	02/21/2012	235.52	05/25/2012	235.29	08/29/2012	235.45	11/27/2012	235.62
062	02/27/2012	243.29	05/25/2012	242.57	09/06/2012	240.46	12/04/2012	FLOW
063	02/27/2012	236.78	05/25/2012	235.40	09/06/2012	232.34	12/04/2012	239.51
064	02/23/2012	255.06	05/29/2012	255.31	08/31/2012	252.98	12/03/2012	254.15
065	02/23/2012	255.00	05/29/2012	255.23	08/31/2012	252.89	12/03/2012	254.16
066	02/20/2012	224.71	05/21/2012	223.35	08/30/2012	223.77	11/30/2012	224.46
067	02/20/2012	226.51	05/21/2012	225.37	08/30/2012	226.09	11/30/2012	226.23
068	02/20/2012	222.64	05/23/2012	222.34	08/30/2012	219.99	11/27/2012	221.06
069	02/21/2012	250.08	05/25/2012	250.28	08/29/2012	248.86	11/27/2012	248.89
075	02/20/2012	243.68	05/23/2012	242.51	08/28/2012	243.07	11/28/2012	243.03
085	02/23/2012	252.16	05/29/2012	250.24	08/31/2012	246.66	12/03/2012	249.43

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 2 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
086	02/23/2012	250.17	05/29/2012	248.21	08/31/2012	248.57	12/03/2012	247.44
087	02/23/2012	246.31	05/29/2012	245.28	08/31/2012	244.62	12/03/2012	244.95
088	02/23/2012	246.33	05/29/2012	245.55	08/31/2012	245.11	12/03/2012	245.29
091	02/21/2012	259.94	05/24/2012	258.96	08/29/2012	258.94	11/27/2012	259.15
092	02/21/2012	259.56	05/24/2012	258.94	08/29/2012	258.95	11/27/2012	259.16
096	02/21/2012	248.75	05/24/2012	244.94	08/30/2012	245.74	11/28/2012	246.37
097	02/21/2012	247.18	05/24/2012	243.92	08/30/2012	244.73	11/28/2012	244.59
098	02/21/2012	246.93	05/24/2012	243.27	08/30/2012	244.07	11/28/2012	244.66
100	02/20/2012	252.33	05/22/2012	248.10	08/28/2012	244.80	11/27/2012	246.52
101	02/20/2012	251.63	05/22/2012	247.41	08/28/2012	245.19	11/27/2012	245.78
102	02/20/2012	252.87	05/22/2012	248.93	08/28/2012	246.04	11/27/2012	246.40
103	02/22/2012	245.78	06/04/2012	245.06	08/28/2012	244.92	11/29/2012	245.41
104	02/22/2012	226.88	06/04/2012	225.88	08/28/2012	DRY	11/29/2012	225.60
105	02/22/2012	221.91	06/04/2012	220.52	08/28/2012	220.15	11/29/2012	219.46
106	02/22/2012	212.39	06/04/2012	209.70	08/28/2012	209.48	11/29/2012	208.42
108	03/12/2012	233.36	05/22/2012	232.67	08/28/2012	231.41	11/28/2012	224.72
109	03/12/2012	225.31	05/22/2012	223.00	08/28/2012	222.58	11/28/2012	214.17
112	02/21/2012	265.80	05/24/2012	265.32	08/29/2012	264.80	11/27/2012	265.45
113	02/21/2012	FLOW	05/24/2012	FLOW	08/29/2012	FLOW	11/27/2012	FLOW
114	02/21/2012	268.65	05/24/2012	267.89	08/29/2012	266.57	11/27/2012	267.56
118	02/23/2012	179.36	06/01/2012	174.60	09/06/2012	167.80	12/03/2012	161.29
121	02/20/2012	211.15	05/23/2012	211.15	08/28/2012	202.94	11/27/2012	202.30
122	02/20/2012	194.06	05/23/2012	190.28	08/28/2012	183.38	11/27/2012	180.41
129	02/22/2012	219.64	05/22/2012	218.54	08/29/2012	217.99	11/29/2012	217.84
130	02/22/2012	218.25	05/22/2012	215.68	08/29/2012	214.39	11/29/2012	213.98
143	02/22/2012	153.01	05/23/2012	145.89	08/28/2012	138.60	11/29/2012	144.56
145	02/21/2012	193.86	05/25/2012	186.85	08/29/2012	182.62	11/27/2012	184.07
146	02/21/2012	189.51	05/25/2012	185.22	08/29/2012	180.58	11/27/2012	182.25
147	02/20/2012	230.01	05/21/2012	226.90	08/30/2012	225.95	12/04/2012	226.39
150	02/20/2012	171.32	05/21/2012	170.01	08/31/2012	164.78	11/30/2012	160.84
151	02/20/2012	225.67	05/23/2012	224.97	08/29/2012	224.64	11/30/2012	224.63
156	02/21/2012	206.50	05/25/2012	198.03	08/29/2012	195.50	11/28/2012	200.64
157	02/21/2012	185.17	05/25/2012	179.97	08/29/2012	172.82	11/28/2012	171.31
158	02/21/2012	233.82	05/25/2012	229.48	08/29/2012	229.08	11/27/2012	232.57
161	02/20/2012	244.05	05/23/2012	242.79	08/28/2012	243.24	11/28/2012	243.26
164	02/27/2012	258.32	05/30/2012	257.50	08/31/2012	257.01	12/03/2012	257.43
165	02/27/2012	258.25	05/30/2012	257.48	08/31/2012	257.05	12/03/2012	257.37
166	02/23/2012	250.58	05/29/2012	249.79	08/31/2012	248.31	12/03/2012	248.98
167	02/23/2012	250.35	05/29/2012	248.96	08/31/2012	247.70	12/03/2012	248.30
168	02/21/2012	241.92	06/04/2012	238.66	08/30/2012	236.84	11/27/2012	237.40
169	02/21/2012	238.33	06/04/2012	235.38	08/30/2012	233.84	11/27/2012	231.31
170	02/20/2012	223.55	05/21/2012	220.64	08/30/2012	219.85	11/30/2012	220.67
178	02/22/2012	247.69	05/22/2012	244.71	08/28/2012	244.94	11/28/2012	243.24
180	02/22/2012	FLOW	05/23/2012	FLOW	08/30/2012	FLOW	11/30/2012	FLOW
181	02/22/2012	246.32	05/23/2012	246.93	08/30/2012	246.48	11/30/2012	246.20
182	02/29/2012	227.36	06/06/2012	226.38	08/30/2012	226.83	12/03/2012	227.08

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 3 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
183	02/29/2012	227.21	06/06/2012	226.31	08/30/2012	226.87	12/03/2012	227.02
185	02/29/2012	227.38	06/06/2012	221.11	08/30/2012	220.68	12/03/2012	222.11
186	02/29/2012	225.89	06/06/2012	220.37	08/30/2012	220.02	12/03/2012	221.47
191	02/29/2012	195.73	06/06/2012	194.58	08/30/2012	193.49	12/03/2012	194.08
192	02/29/2012	205.77	06/06/2012	203.50	08/30/2012	199.82	12/03/2012	201.22
200	02/20/2012	249.19	05/21/2012	243.85	08/28/2012	246.67	11/27/2012	246.38
204	02/22/2012	244.01	05/22/2012	242.67	08/29/2012	241.00	11/29/2012	242.50
224	02/20/2012	239.09	05/23/2012	236.88	08/28/2012	236.65	11/29/2012	236.86
226	02/20/2012	226.96	05/23/2012	226.92	08/29/2012	226.22	11/30/2012	226.28
227	02/20/2012	192.19	05/23/2012	191.50	08/29/2012	191.30	11/30/2012	191.30
400	02/27/2012	232.55	06/06/2012	231.97	09/06/2012	231.12	12/18/2012	232.45
401	02/27/2012	231.51	06/06/2012	229.40	09/06/2012	227.62	12/18/2012	228.85
402	02/27/2012	220.11	06/06/2012	210.84	09/06/2012	207.68	12/19/2012	220.25
403	02/27/2012	241.32	06/06/2012	239.52	09/06/2012	238.15	12/18/2012	241.67
404	02/27/2012	161.20	06/06/2012	162.04	09/06/2012	160.82	12/18/2012	161.77
406	02/27/2012	264.67	06/06/2012	261.14	09/06/2012	259.85	12/14/2012	259.97
407	02/27/2012	265.03	06/06/2012	261.79	09/06/2012	260.66	12/14/2012	261.60
408	02/27/2012	242.17	06/06/2012	242.17	09/06/2012	240.74	12/19/2012	242.13
409	02/27/2012	FLOW	06/06/2012	FLOW	09/06/2012	FLOW	12/19/2012	FLOW
410	02/27/2012	235.66	06/06/2012	234.75	09/06/2012	233.35	12/19/2012	235.06
411	02/27/2012	236.17	06/06/2012	235.59	09/06/2012	234.86	12/19/2012	235.53
412	02/27/2012	237.79	06/06/2012	237.05	09/06/2012	236.79	12/19/2012	237.60
413	02/27/2012	236.69	06/06/2012	234.76	09/06/2012	235.03	12/19/2012	236.10
414	02/29/2012	249.43	06/06/2012	249.13	09/06/2012	248.18	12/14/2012	248.40
415	02/29/2012	248.46	06/06/2012	247.95	09/06/2012	247.03	12/14/2012	247.37
416	02/29/2012	245.07	06/06/2012	244.10	09/06/2012	242.41	12/14/2012	243.38
417	02/29/2012	236.99	06/06/2012	234.42	09/06/2012	234.57	12/14/2012	235.49
418	02/29/2012	235.94	06/06/2012	233.09	09/06/2012	233.65	12/14/2012	234.43
421	02/27/2012	277.82	06/06/2012	276.34	09/06/2012	268.28	12/19/2012	276.11
422	02/27/2012	266.11	06/06/2012	265.72	09/06/2012	264.15	12/19/2012	265.68
423	02/27/2012	263.94	06/06/2012	263.98	09/06/2012	263.31	12/14/2012	263.44
424	02/27/2012	261.03	06/06/2012	261.97	09/06/2012	260.49	12/14/2012	260.65
500	02/23/2012	248.78	05/29/2012	248.06	08/31/2012	247.96	12/03/2012	248.28
501	02/23/2012	249.52	05/29/2012	250.18	08/31/2012	251.88	12/03/2012	248.94
502	02/23/2012	257.73	05/29/2012	258.22	08/31/2012	256.98	12/03/2012	257.52
503	02/23/2012	258.25	05/29/2012	258.22	08/31/2012	257.67	12/03/2012	258.15
504	02/23/2012	258.58	05/29/2012	258.99	08/31/2012	257.76	12/03/2012	258.15
505	02/23/2012	258.44	05/29/2012	258.42	08/31/2012	257.79	12/03/2012	258.27
506	02/23/2012	258.19	05/29/2012	257.58	08/31/2012	257.89	12/03/2012	258.22
507	02/23/2012	258.39	05/29/2012	257.91	08/31/2012	257.83	12/03/2012	258.30
508	02/23/2012	258.42	05/29/2012	257.92	08/31/2012	257.81	12/03/2012	258.32
509	02/23/2012	258.53	05/29/2012	258.01	08/31/2012	257.95	12/03/2012	258.44
510	02/23/2012	258.52	05/29/2012	257.93	08/31/2012	257.94	12/03/2012	258.49
511	02/23/2012	258.42	05/29/2012	257.89	08/31/2012	255.82	12/03/2012	258.38
512	02/23/2012	258.90	05/29/2012	258.54	08/31/2012	258.07	12/03/2012	258.96
513	02/23/2012	259.38	05/29/2012	254.27	08/31/2012	258.63	12/03/2012	259.11

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 4 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
514	02/23/2012	258.72	05/29/2012	258.66	08/31/2012	258.46	12/03/2012	258.72
515	02/23/2012	258.62	05/29/2012	258.68	08/31/2012	257.78	12/03/2012	258.46
516	02/23/2012	260.31	05/29/2012	259.17	08/31/2012	258.63	12/03/2012	259.29
517	02/23/2012	258.90	05/29/2012	259.00	08/31/2012	258.16	12/03/2012	258.85
518	02/23/2012	259.25	05/29/2012	258.98	08/31/2012	258.65	12/03/2012	258.90
519	02/23/2012	260.20	05/29/2012	260.13	08/31/2012	259.47	12/03/2012	259.87
520	02/23/2012	256.02	05/29/2012	256.10	08/31/2012	255.52	12/03/2012	256.00
521	02/23/2012	257.04	05/29/2012	257.06	08/31/2012	255.87	12/03/2012	256.40
522	02/23/2012	FLOW	05/29/2012	FLOW	08/31/2012	261.70	12/03/2012	FLOW
523	02/27/2012	264.61	05/30/2012	264.30	08/31/2012	263.62	12/03/2012	264.08
524	02/27/2012	264.75	05/30/2012	263.80	08/31/2012	263.57	12/03/2012	264.15
525	02/27/2012	263.96	05/30/2012	262.84	08/31/2012	262.89	12/03/2012	263.44
526	02/21/2012	261.40	05/24/2012	260.75	08/29/2012	260.14	11/27/2012	260.65
527	02/21/2012	262.13	05/24/2012	261.60	08/29/2012	260.59	11/27/2012	260.82
528	02/21/2012	FLOW	05/24/2012	FLOW	08/29/2012	FLOW	11/27/2012	FLOW
529	02/21/2012	FLOW	05/24/2012	FLOW	08/29/2012	270.22	11/27/2012	FLOW
530	02/21/2012	261.57	05/24/2012	261.45	08/29/2012	260.33	11/27/2012	261.01
531	02/21/2012	FLOW	05/24/2012	FLOW	08/29/2012	FLOW	11/27/2012	FLOW
532	02/21/2012	265.39	05/24/2012	FLOW	08/29/2012	FLOW	11/27/2012	FLOW
533	02/21/2012	261.19	05/25/2012	261.22	08/29/2012	260.13	11/27/2012	261.36
534	02/21/2012	262.14	05/25/2012	262.04	08/29/2012	260.83	11/27/2012	261.61
535	02/21/2012	264.43	05/25/2012	264.24	08/29/2012	264.70	11/27/2012	265.53
536	02/21/2012	258.94	05/31/2012	258.77	08/30/2012	257.96	11/28/2012	258.49
537	02/21/2012	FLOW	05/31/2012	FLOW	08/30/2012	266.69	11/28/2012	268.15
538	02/21/2012	FLOW	05/31/2012	FLOW	08/30/2012	263.25	11/28/2012	261.25
539	02/21/2012	FLOW	05/31/2012	FLOW	08/30/2012	270.12	11/28/2012	FLOW
541	02/21/2012	270.95	05/31/2012	269.87	08/30/2012	263.03	11/28/2012	266.99
542	02/21/2012	271.01	05/31/2012	269.33	08/30/2012	263.17	11/28/2012	267.22
543	02/21/2012	257.21	05/31/2012	257.06	08/30/2012	256.16	11/28/2012	256.86
544	02/21/2012	257.44	05/31/2012	257.26	08/30/2012	256.17	11/28/2012	256.94
545	02/21/2012	257.16	05/31/2012	256.43	08/30/2012	256.18	11/28/2012	256.90
546	02/21/2012	265.48	05/31/2012	265.31	08/30/2012	260.34	11/28/2012	264.19
547	02/21/2012	262.90	05/31/2012	262.62	08/30/2012	259.57	11/28/2012	261.48
548	02/21/2012	257.15	05/31/2012	258.09	08/30/2012	257.47	11/28/2012	257.81
549	02/21/2012	257.58	05/31/2012	257.54	08/30/2012	256.65	11/28/2012	257.27
550	02/21/2012	257.75	05/31/2012	257.67	08/30/2012	256.73	11/28/2012	257.35
551	02/21/2012	257.48	05/31/2012	257.47	08/30/2012	256.74	11/28/2012	257.03
553	02/21/2012	258.37	05/31/2012	258.38	08/30/2012	258.14	11/28/2012	258.40
554	02/21/2012	258.80	05/31/2012	258.51	08/30/2012	258.09	11/28/2012	258.53
556	02/21/2012	258.80	05/31/2012	258.72	08/30/2012	257.97	11/28/2012	258.45
557	02/21/2012	257.88	05/31/2012	258.80	08/30/2012	257.96	11/28/2012	258.47
558	02/21/2012	262.37	05/31/2012	260.24	08/30/2012	254.54	11/28/2012	256.20
559	02/21/2012	260.19	05/31/2012	254.26	08/30/2012	250.38	11/28/2012	250.99
560	02/21/2012	252.74	05/31/2012	251.88	08/30/2012	249.06	11/28/2012	249.17
561	02/21/2012	264.51	05/31/2012	263.32	08/30/2012	259.20	11/28/2012	259.88
562	02/21/2012	263.22	05/31/2012	261.51	08/30/2012	255.67	11/28/2012	257.37

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

Groundwater Elevation Data: January through December 2012

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
563	02/21/2012	249.77	05/31/2012	248.94	08/30/2012	246.09	11/28/2012	245.74
564	02/21/2012	260.02	05/31/2012	260.20	08/30/2012	255.92	11/28/2012	255.62
565	02/21/2012	264.03	06/04/2012	262.09	08/30/2012	258.25	11/28/2012	260.08
566	02/21/2012	257.41	06/04/2012	255.36	08/30/2012	251.40	11/28/2012	252.51
567	02/21/2012	258.52	06/04/2012	257.13	08/30/2012	250.61	11/27/2012	253.75
568	02/21/2012	261.04	06/04/2012	259.04	08/30/2012	256.62	11/27/2012	256.82
569	02/21/2012	266.06	06/04/2012	264.40	08/30/2012	259.62	11/27/2012	262.56
570	02/21/2012	239.08	06/04/2012	236.56	08/30/2012	233.95	11/27/2012	233.39
571	02/21/2012	277.20	06/04/2012	275.73	08/30/2012	276.58	11/28/2012	277.73
572	03/05/2012	245.47	06/04/2012	244.75	08/30/2012	244.04	12/04/2012	244.15
574	03/05/2012	250.77	06/04/2012	247.92	08/30/2012	245.71	12/04/2012	245.38
576	02/22/2012	250.55	05/22/2012	249.35	09/06/2012	249.89	12/04/2012	249.66
577	02/20/2012	138.66	05/21/2012	140.97	08/30/2012	139.37	11/30/2012	135.50
578	02/20/2012	195.37	05/22/2012	190.14	08/28/2012	180.28	11/27/2012	173.15
579	02/22/2012	156.65	06/04/2012	155.63	09/06/2012	143.62	11/29/2012	139.17
580	02/22/2012	242.48	05/22/2012	241.89	08/29/2012	242.36	11/29/2012	241.97
581	02/20/2012	253.26	05/22/2012	248.96	08/28/2012	245.52	11/27/2012	247.25
600	02/22/2012	248.30	05/22/2012	247.47	08/28/2012	248.13	11/28/2012	246.81
601	02/22/2012	223.37	05/22/2012	219.57	08/28/2012	218.68	11/28/2012	216.35
602	02/22/2012	246.20	05/23/2012	248.30	08/28/2012	247.63	11/28/2012	246.30
603	02/22/2012	243.96	05/23/2012	242.23	08/28/2012	243.60	11/29/2012	243.08
604	02/22/2012	176.12	05/23/2012	171.80	08/28/2012	167.35	11/29/2012	168.62
605	02/22/2012	151.97	05/23/2012	144.81	08/28/2012	137.90	12/03/2012	143.35
606	03/05/2012	120.77	06/04/2012	112.60	08/29/2012	114.70	11/28/2012	106.32
607	02/22/2012	168.66	05/23/2012	163.83	08/28/2012	159.32	11/28/2012	160.33
608	02/22/2012	197.61	05/23/2012	200.38	08/29/2012	197.94	11/29/2012	196.19
609	02/22/2012	118.38	06/11/2012	109.55	09/06/2012	111.44	11/30/2012	101.14
610	02/22/2012	141.71	05/22/2012	134.96	09/12/2012	128.43	11/30/2012	134.10
611	03/05/2012	162.64	06/13/2012	156.04	09/06/2012	152.55	12/17/2012	151.87
612	02/20/2012	224.72	05/23/2012	224.82	08/29/2012	225.90	11/30/2012	225.82
613	02/20/2012	229.34	05/23/2012	228.32	08/29/2012	227.81	11/30/2012	227.44
614	02/20/2012	223.98	05/21/2012	222.60	08/30/2012	225.05	11/30/2012	220.98
615	02/20/2012	224.31	05/21/2012	222.94	08/30/2012	225.48	11/30/2012	221.28
616	02/20/2012	224.65	05/21/2012	223.23	08/30/2012	225.66	11/30/2012	221.45
617	02/20/2012	216.34	05/23/2012	223.28	08/29/2012	223.32	11/30/2012	223.13
618	02/20/2012	217.61	05/23/2012	218.24	08/29/2012	217.67	11/30/2012	217.66
619	02/21/2012	258.27	06/04/2012	256.25	08/30/2012	249.03	11/27/2012	253.44
620	02/20/2012	230.56	05/23/2012	229.94	08/28/2012	230.50	11/28/2012	230.57
621	02/22/2012	243.57	05/22/2012	244.46	08/29/2012	DRY	11/29/2012	242.65
622	02/22/2012	210.62	05/23/2012	206.46	08/29/2012	205.52	11/29/2012	203.06
623	02/22/2012	137.49	06/11/2012	127.75	09/06/2012	122.83	11/30/2012	125.03
624	02/22/2012	151.27	06/11/2012	143.53	09/06/2012	138.34	11/30/2012	131.64
626	02/27/2012	261.31	05/30/2012	260.47	08/31/2012	260.28	12/03/2012	260.62
627	02/22/2012	246.39	05/22/2012	245.27	08/29/2012	245.63	12/04/2012	245.72
700	02/21/2012	238.09	05/25/2012	238.28	08/28/2012	237.77	11/27/2012	237.94
701	02/21/2012	237.83	05/25/2012	237.98	08/28/2012	238.12	11/27/2012	237.65

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 6 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
702	02/21/2012	244.74	05/25/2012	245.06	08/28/2012	244.96	11/27/2012	244.70
703	02/21/2012	231.04	05/25/2012	230.98	08/28/2012	231.04	11/27/2012	230.93
704	02/21/2012	199.58	05/25/2012	195.58	08/28/2012	194.48	11/27/2012	189.44
705	02/22/2012	247.88	05/22/2012	246.91	08/29/2012	247.50	11/29/2012	247.13
706	02/22/2012	237.38	05/22/2012	235.32	08/29/2012	234.99	11/29/2012	235.37
707	02/22/2012	240.20	05/22/2012	238.73	08/29/2012	237.68	11/29/2012	238.22
708	02/22/2012	236.77	05/22/2012	235.04	08/29/2012	234.67	11/29/2012	235.04
709	02/21/2012	245.78	05/24/2012	243.67	08/29/2012	242.21	11/29/2012	243.17
710	02/21/2012	245.66	05/24/2012	243.46	08/29/2012	241.73	11/29/2012	242.63
711	02/21/2012	241.41	05/24/2012	238.92	08/29/2012	237.11	11/29/2012	237.67
712	03/12/2012	254.70	05/22/2012	251.37	08/29/2012	DRY	11/27/2012	DRY
714	02/20/2012	237.15	05/22/2012	233.98	08/29/2012	232.82	11/27/2012	232.53
716	02/21/2012	184.62	05/22/2012	182.67	08/28/2012	177.07	11/27/2012	170.36
717	02/21/2012	249.02	05/24/2012	243.80	08/30/2012	245.72	11/28/2012	246.36
718	02/21/2012	248.80	05/24/2012	247.21	08/30/2012	245.47	11/28/2012	246.23
719	02/21/2012	249.01	05/24/2012	247.59	08/30/2012	246.14	11/28/2012	246.91
720	02/21/2012	248.40	05/24/2012	247.96	08/30/2012	245.27	11/28/2012	246.19
721	02/20/2012	249.87	05/24/2012	248.17	08/30/2012	245.93	11/28/2012	247.21
722	02/20/2012	246.13	05/24/2012	243.36	08/30/2012	239.89	11/28/2012	241.17
723	02/21/2012	251.38	05/24/2012	249.34	08/30/2012	246.45	11/28/2012	248.00
724	02/21/2012	251.32	05/24/2012	249.82	08/30/2012	246.16	11/28/2012	247.84
725	02/21/2012	251.65	05/24/2012	250.52	08/30/2012	248.18	11/28/2012	249.34
726	02/21/2012	251.72	05/24/2012	250.55	08/30/2012	248.19	11/28/2012	249.42
727	02/21/2012	251.53	05/24/2012	250.42	08/30/2012	248.03	11/28/2012	249.23
728	02/20/2012	249.83	05/24/2012	248.84	08/30/2012	247.26	11/27/2012	248.08
729	02/21/2012	249.86	05/24/2012	248.89	08/30/2012	247.33	11/28/2012	248.14
730	02/21/2012	236.59	05/24/2012	235.01	08/30/2012	232.86	11/28/2012	232.86
732	02/22/2012	156.12	05/22/2012	152.56	08/29/2012	145.56	11/29/2012	137.59
734	02/22/2012	151.81	06/04/2012	143.91	09/12/2012	133.58	12/04/2012	127.97
735	02/22/2012	243.47	05/22/2012	242.07	08/29/2012	242.70	12/20/2012	241.93
737	02/22/2012	152.84	05/22/2012	149.04	08/29/2012	142.63	11/29/2012	130.55
739	02/27/2012	148.33	06/04/2012	153.91	09/06/2012	139.71	12/04/2012	131.82
740	02/22/2012	239.62	05/21/2012	237.92	08/28/2012	237.55	11/29/2012	237.18
742	02/22/2012	148.95	05/21/2012	144.26	08/28/2012	138.96	11/29/2012	131.58
743	02/27/2012	246.94	06/04/2012	246.65	09/06/2012	246.28	12/04/2012	DRY
744	02/21/2012	246.97	05/24/2012	245.93	08/29/2012	245.60	11/28/2012	246.01
745	02/21/2012	246.87	05/24/2012	247.26	08/29/2012	246.58	11/28/2012	246.56
746	02/21/2012	244.78	05/24/2012	244.60	08/29/2012	244.24	11/28/2012	244.42
747	02/20/2012	252.68	06/04/2012	249.15	08/29/2012	245.95	11/27/2012	247.64
748	02/20/2012	245.25	05/22/2012	242.39	08/29/2012	240.64	11/27/2012	241.24
749	02/20/2012	250.75	05/24/2012	250.09	08/30/2012	250.38	11/27/2012	250.28
750	02/20/2012	249.58	05/24/2012	248.07	08/30/2012	247.18	11/27/2012	247.95
751	02/20/2012	241.20	05/24/2012	DRY	08/30/2012	241.46	11/27/2012	241.31
752	02/20/2012	244.50	05/24/2012	244.75	09/25/2012	244.91	11/27/2012	244.46
753	02/20/2012	236.56	05/24/2012	236.13	08/30/2012	236.87	11/27/2012	236.53
754	02/20/2012	235.94	05/23/2012	235.08	08/30/2012	235.43	11/27/2012	235.56

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 7 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
755	02/20/2012	226.77	05/23/2012	226.04	08/30/2012	225.25	11/27/2012	225.38
756	02/20/2012	238.76	05/23/2012	233.84	08/30/2012	234.86	11/27/2012	DRY
757	02/20/2012	224.84	05/21/2012	223.38	08/30/2012	225.59	11/30/2012	222.01
758	02/22/2012	253.30	05/22/2012	252.78	08/29/2012	253.32	11/29/2012	253.28
759	02/22/2012	241.86	05/22/2012	239.95	08/29/2012	238.89	11/29/2012	239.56
760	02/21/2012	239.76	05/24/2012	237.22	08/29/2012	236.31	11/29/2012	236.87
761	03/05/2012	250.80	05/22/2012	248.42	08/29/2012	245.69	11/27/2012	247.09
763	02/20/2012	240.49	05/22/2012	236.17	08/29/2012	234.79	11/27/2012	234.45
766	02/22/2012	238.78	05/21/2012	237.48	08/28/2012	237.66	11/29/2012	237.36
767	02/27/2012	238.86	06/04/2012	237.82	09/06/2012	237.84	11/29/2012	237.21
768	02/27/2012	237.85	06/04/2012	236.77	09/06/2012	236.78	11/29/2012	236.68
769	02/22/2012	237.25	05/21/2012	235.90	08/28/2012	236.06	11/29/2012	235.87
770	02/27/2012	237.39	06/04/2012	237.33	09/06/2012	237.97	11/29/2012	235.20
771	02/27/2012	237.13	06/04/2012	236.41	09/06/2012	236.01	11/29/2012	235.73
772	02/27/2012	231.60	06/04/2012	230.97	09/06/2012	231.12	11/29/2012	230.27
773	02/20/2012	232.08	05/23/2012	231.39	08/29/2012	231.10	11/30/2012	230.81
774	02/22/2012	230.58	05/21/2012	229.53	08/28/2012	229.85	11/29/2012	229.69
775	02/22/2012	228.97	05/21/2012	228.08	08/28/2012	228.73	11/29/2012	228.54
776	02/20/2012	244.38	05/22/2012	240.81	08/28/2012	237.95	11/27/2012	DRY
777	02/20/2012	254.09	06/04/2012	249.52	08/29/2012	244.72	11/28/2012	246.70
779	02/20/2012	154.81	06/04/2012	159.22	08/28/2012	147.39	11/28/2012	140.49
782	03/05/2012	225.86	06/06/2012	224.61	08/29/2012	225.71	12/04/2012	223.57
783	02/21/2012	203.52	05/25/2012	193.98	08/29/2012	190.77	11/28/2012	196.30
789	02/22/2012	230.95	05/21/2012	229.70	08/28/2012	230.30	11/29/2012	230.09
791	02/22/2012	228.95	05/21/2012	228.24	08/28/2012	228.75	11/29/2012	228.64
792	02/27/2012	228.54	06/04/2012	229.06	09/06/2012	229.17	11/29/2012	228.06
793	02/22/2012	228.19	06/04/2012	227.52	09/06/2012	227.81	11/29/2012	227.52
799	02/21/2012	210.44	05/25/2012	205.83	08/29/2012	205.04	11/28/2012	208.23
816	02/21/2012	243.70	05/24/2012	242.49	08/29/2012	244.58	11/29/2012	244.14
818	02/21/2012	246.14	05/24/2012	245.55	08/29/2012	246.44	11/29/2012	246.12
819	02/21/2012	251.22	05/24/2012	249.98	08/29/2012	251.78	11/29/2012	251.21
820	02/23/2012	248.55	06/01/2012	248.11	09/06/2012	248.57	12/03/2012	248.29
821	02/23/2012	247.73	06/01/2012	247.94	09/06/2012	248.33	12/04/2012	247.43
822	02/23/2012	244.70	06/01/2012	244.43	09/06/2012	244.99	12/04/2012	244.48
823	02/22/2012	245.55	06/04/2012	245.38	08/29/2012	245.48	11/29/2012	244.28
824	02/22/2012	245.97	06/04/2012	245.95	08/29/2012	246.07	11/29/2012	245.67
826	02/21/2012	248.23	06/06/2012	248.01	08/29/2012	248.89	12/03/2012	248.25
827	02/21/2012	253.75	05/24/2012	DRY	08/29/2012	254.44	11/29/2012	253.72
830	02/21/2012	259.59	06/04/2012	257.42	08/30/2012	251.55	11/27/2012	254.22
831	02/21/2012	252.91	06/04/2012	250.44	08/30/2012	245.69	11/29/2012	247.33
832	02/21/2012	261.47	06/04/2012	260.42	08/30/2012	258.95	11/28/2012	260.14
833	02/21/2012	273.46	06/04/2012	272.49	08/30/2012	272.33	11/28/2012	273.25
835	02/21/2012	273.06	05/31/2012	272.27	08/30/2012	266.64	11/28/2012	267.99
836	02/21/2012	267.88	05/31/2012	266.05	08/30/2012	260.74	11/28/2012	262.28
837	02/21/2012	273.09	05/31/2012	272.28	08/30/2012	267.34	11/28/2012	268.10
838	02/27/2012	255.40	05/25/2012	254.97	09/06/2012	DRY	12/04/2012	DRY

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 8 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
839	02/20/2012	225.70	05/21/2012	224.18	09/12/2012	226.32	11/30/2012	223.82
855	02/27/2012	260.74	05/30/2012	259.96	08/31/2012	259.73	12/03/2012	259.97
856	02/27/2012	262.13	05/30/2012	261.93	08/31/2012	261.74	12/03/2012	261.38
857	02/23/2012	FLOW	05/29/2012	FLOW	08/31/2012	FLOW	12/03/2012	FLOW
858	02/23/2012	FLOW	05/29/2012	FLOW	08/31/2012	257.91	12/03/2012	FLOW
859	02/23/2012	256.13	05/30/2012	253.69	08/31/2012	255.90	12/03/2012	256.06
860	02/23/2012	255.81	05/30/2012	255.12	08/31/2012	255.49	12/03/2012	255.65
861	02/23/2012	254.63	05/30/2012	252.28	08/31/2012	250.54	12/03/2012	251.89
862	02/23/2012	253.17	05/30/2012	251.73	08/31/2012	249.22	12/03/2012	250.72
863	02/21/2012	258.17	06/04/2012	256.25	08/30/2012	249.24	11/27/2012	253.34
864	02/21/2012	248.17	05/24/2012	248.10	08/29/2012	248.81	11/29/2012	248.34
895	02/23/2012	259.09	05/29/2012	259.00	08/31/2012	258.50	12/03/2012	258.87
896	02/23/2012	259.19	05/29/2012	259.22	08/31/2012	258.55	12/03/2012	258.96
897	02/21/2012	269.62	05/31/2012	268.63	08/30/2012	265.19	11/28/2012	264.94
898	02/21/2012	269.33	05/31/2012	269.78	08/30/2012	268.72	11/28/2012	268.21
899	02/21/2012	271.99	05/31/2012	269.33	08/30/2012	261.81	11/28/2012	264.31
900	02/21/2012	273.13	05/31/2012	273.10	08/30/2012	271.90	11/28/2012	270.96
902	02/23/2012	257.58	05/29/2012	257.61	08/31/2012	257.33	12/03/2012	257.55
903	02/23/2012	257.90	05/29/2012	257.07	08/31/2012	257.88	12/03/2012	257.97
910	02/20/2012	251.40	05/24/2012	249.29	08/30/2012	242.31	11/28/2012	247.88
921	02/22/2012	248.33	06/04/2012	247.80	09/06/2012	244.15	12/04/2012	243.35
922	02/22/2012	227.97	06/04/2012	225.62	09/06/2012	223.11	12/04/2012	223.90
923	02/22/2012	224.58	06/12/2012	219.66	09/06/2012	217.60	12/04/2012	218.13
924	02/22/2012	250.64	06/04/2012	249.27	09/06/2012	248.66	12/04/2012	248.39
928	02/22/2012	163.75	05/23/2012	161.19	08/28/2012	157.34	11/28/2012	157.21
929	02/22/2012	169.63	06/04/2012	160.74	08/28/2012	156.65	11/28/2012	157.62
930	02/22/2012	176.69	05/23/2012	172.02	08/28/2012	167.86	11/28/2012	168.44
931	02/22/2012	175.10	05/23/2012	170.60	08/28/2012	170.44	11/28/2012	167.09
932	02/22/2012	251.13	05/23/2012	250.74	09/06/2012	248.07	12/04/2012	248.57
934	02/20/2012	238.43	05/24/2012	238.76	08/30/2012	238.78	11/27/2012	238.53
935	02/22/2012	216.99	05/23/2012	207.55	08/28/2012	200.90	11/28/2012	198.79
936	02/22/2012	213.84	05/23/2012	203.96	08/28/2012	197.55	11/28/2012	195.94
941	02/22/2012	158.20	05/22/2012	151.92	08/28/2012	146.22	11/29/2012	149.82
943	02/21/2012	244.85	05/25/2012	244.08	08/28/2012	241.23	11/27/2012	241.83
944	02/21/2012	248.92	05/25/2012	248.70	08/29/2012	245.64	11/27/2012	246.27
946	02/22/2012	226.04	06/04/2012	225.36	09/06/2012	225.99	11/29/2012	225.96
947	02/22/2012	228.80	06/04/2012	228.09	09/06/2012	228.31	11/29/2012	228.04
948	02/22/2012	227.52	06/04/2012	226.77	09/06/2012	227.02	11/29/2012	226.75
949	03/12/2012	231.92	06/04/2012	230.12	09/06/2012	231.38	12/20/2012	232.18
952	03/05/2012	147.47	06/04/2012	157.06	09/06/2012	147.16	11/29/2012	144.54
953	02/22/2012	153.23	05/23/2012	143.81	08/28/2012	135.99	11/29/2012	144.07
954	02/22/2012	231.73	05/22/2012	227.80	08/28/2012	228.92	11/28/2012	227.71
955	02/22/2012	247.33	05/22/2012	244.61	08/28/2012	244.43	11/28/2012	243.06
956	02/22/2012	244.20	05/22/2012	241.41	08/28/2012	240.65	11/28/2012	238.89
957	02/22/2012	248.70	05/22/2012	246.46	08/28/2012	246.98	11/28/2012	246.14
958	02/21/2012	264.95	05/24/2012	264.68	08/29/2012	262.45	11/27/2012	264.06

Key:

FLOW: Flowing Water

NA: Not Accessible

All Elevations are in feet above mean sea level

4/18/2013

IBM East Fishkill
Groundwater Elevation Data: January through December 2012

Page 9 of 9

Well	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
	Date	Elev.	Date	Elev.	Date	Elev.	Date	Elev.
959	02/22/2012	166.43	05/22/2012	158.84	08/29/2012	154.82	11/29/2012	151.34
960	02/22/2012	211.66	05/22/2012	209.77	08/29/2012	215.76	11/29/2012	207.59
962	02/20/2012	204.59	05/22/2012	200.19	08/28/2012	191.98	11/27/2012	185.74
963	02/23/2012	258.81	05/29/2012	258.44	08/31/2012	258.19	12/03/2012	258.73
964	02/23/2012	258.83	05/29/2012	258.34	08/31/2012	258.14	12/03/2012	258.71
965	02/22/2012	211.48	05/23/2012	207.35	08/29/2012	206.59	11/28/2012	204.13
966	02/22/2012	211.69	05/23/2012	207.53	08/29/2012	206.72	11/28/2012	204.31
968	02/22/2012	176.89	05/23/2012	170.60	08/28/2012	166.17	11/28/2012	167.04
976	02/20/2012	225.53	05/21/2012	223.90	08/30/2012	224.89	11/30/2012	224.25
980	02/23/2012	247.15	06/01/2012	246.79	09/06/2012	246.86	12/03/2012	246.83
983	02/21/2012	253.93	05/31/2012	252.91	08/30/2012	248.69	11/28/2012	249.38
984	02/21/2012	251.28	05/31/2012	250.94	08/30/2012	247.57	11/28/2012	247.78
985	02/21/2012	267.30	05/31/2012	264.41	08/30/2012	257.66	11/28/2012	259.05
986	02/21/2012	261.67	05/31/2012	259.79	08/30/2012	253.87	11/28/2012	255.68
987	02/23/2012	257.03	05/29/2012	256.60	08/31/2012	255.77	12/03/2012	256.33
988	02/23/2012	259.51	05/29/2012	259.45	08/31/2012	256.90	12/03/2012	258.39
989	02/23/2012	FLOW	05/29/2012	260.51	08/31/2012	260.45	12/03/2012	260.25
990	02/23/2012	256.23	05/29/2012	256.24	08/31/2012	255.61	12/03/2012	256.04
991	02/23/2012	259.46	05/29/2012	259.42	08/31/2012	257.37	12/03/2012	258.72
992	02/23/2012	259.44	05/29/2012	259.12	08/31/2012	257.49	12/03/2012	258.20
993	02/21/2012	233.96	06/04/2012	231.60	08/28/2012	232.78	11/29/2012	233.60
994	02/21/2012	249.61	06/04/2012	248.67	08/28/2012	249.71	11/29/2012	249.58
997	03/05/2012	249.65	05/24/2012	249.83	08/29/2012	248.48	11/28/2012	248.50
998	02/21/2012	248.31	05/24/2012	246.90	08/29/2012	245.25	11/28/2012	245.87
999	02/21/2012	242.53	05/24/2012	241.17	08/29/2012	239.88	11/28/2012	240.33

*032B replaced 032A in September 2012. First through third quarter elevations are from 032A, fourth quarter elevation is from 032B.

Key:
FLOW: Flowing Water
NA: Not Accessible
All Elevations are in feet above mean sea level

4/18/2013

Appendix C

2012 Sampling Field Log Database (on CD): SAMP12a.DBF

2012 Field Parameters Database (on CD): FIELD12a.DBF

Table of Meteorological Data (January - December 2012)

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
007	389	159567	1/30/2012	GW120130007		NR120130312	BP/LINE	15.32	@PUMP	2M/G	10.0	DFB	6	0	2	2	2		0 Y	NA	QC DUPLICATE #312
007	394	160005	7/27/2012	GW120727007		NR120727312	BP/LINE	17.78	@PUMP	2.5M/G	5.0	DFB	6	0	2	2	2		0 Y	NA	QC DUPLICATE #312
010	390	159612	2/9/2012	GW120209010			B/B	36.85	49.10	NA	8.0	DFB	3	0	1	1	1		0 N	NA	FIELD BLANK TAKEN
010	394	160011	7/31/2012	GW120731010			B/B	43.45	53.15	NA	4.0	DFB	3	0	1	1	1		0 Y	NA	FIELD BLANK TAKEN
015	393	159910	6/20/2012	GW120620015			BP/LINE	18.36	24.02	2.2M/G	5.0	DFB	3	0	1	1	1		0 N	ND/ND	FIELD BLANK TAKEN
015	395	160185	10/30/2012	GW121030015			BP/LINE	17.83	22.51	2.1M/G	5.0	DFB	3	0	1	1	1		0 N	ND/ND	
016	390	159695	3/20/2012	GW120320016			BP/LINE	35.61	36.54	1.6M/G	30.0	DFB	3	0	1	1	1		0 N	NA	
016	395	160103	9/24/2012	GW120924016			BP/LINE	35.98	37.04	1.7M/G	29.0	DFB	3	0	1	1	1		0 N	NA	
032A	389	159512	1/5/2012	GW120105032A	NR120105311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #311, FIELD BLANK TAKEN
032A	389	159587	2/2/2012	GW120202032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	390	159639	3/6/2012	GW120306032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	391	159727	4/2/2012	GW120402032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	392	159804	5/1/2012	GW120501032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	392	159880	6/8/2012	GW120608032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	393	159926	7/2/2012	GW120702032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
032A	394	160028	8/6/2012	GW120806032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	
032A	394	160058	9/4/2012	GW120904032A			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	
032B	394	160092	9/14/2012	GW120914032B			SP/LINE		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIRST SAMPLE AFTER STARTUP
032B	395	160147	10/4/2012	GW121004032B	NR121004311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #311, FIELD BLANK TAKEN
032B	396	160204	11/5/2012	GW121105032B	NR121105311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #311
032B	396	160250	12/5/2012	GW121205032B			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
035	393	159914	6/21/2012	GW120621035		NR120621315	BP/LINE	10.26	10.33	2.2M/G	35.0	DFB	6	0	2	2	2		0 N	NA	QC DUPLICATE #315
046	390	159669	3/13/2012	GW120313046			PP/B		8.99	7.6M/G	19.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
046	394	160099	9/19/2012	GW120919046			PP/B	16.43	16.68	7M/G	4.4	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
048	389	159537	1/16/2012	GW120116048			2"SP/LINE		6.45	6.74	18.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
048	391	159762	4/11/2012	GW120411048			2"SP/LINE	6.21	7.82	1GPM	19.0	DFB	3	0	0	0	0		0 N	NA	
048	393	159959	7/10/2012	GW120710048			2"SP/LINE	7.71	11.36	1GPM	16.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
048	395	160168	10/17/2012	GW121017048			2"SP/LINE	5.95	7.44	1GPM	19.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
053	390	159693	3/20/2012	GW120320053			BP/LINE	15.97	16.70	2M/G	11.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
053	395	160104	9/24/2012	GW120924053			BP/LINE	18.11	18.58	1.8M/G	10.0	DFB	3	0	0	0	0		0 N	NA	
054	390	159675	3/13/2012	GW120313054			BP/LINE	13.84	16.29	1.1M/G	29.0	DFB	3	0	0	0	0		0 N	NA	
054	394	160089	9/13/2012	GW120913054	NR120913312		BP/LINE	15.57	17.03	1.5M/G	25.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
059	390	159682	3/15/2012	GW120315059			2"SP/LINE	7.09	7.66	2GPM	20.0	DFB	3	0	0	0	0		0 N	NA	
060	390	159683	3/15/2012	GW120315060			2"SP/LINE	25.19	32.08	3GPM	41.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
061	390	159659	3/9/2012	GW120309061	NR120309319		2"SP/LINE	8.91	9.10	2GPM	40.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #319
063	391	159704	3/21/2012	GW120321063			BP/LINE	13.69	44.38	1.8M/G	21.0	DFB	3	0	0	0	0		0 N	NA	
064	389	159528	1/11/2012	GW120111064			2"SP/LINE	3.84	4.08	2GPM	28.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
064	391	159767	4/12/2012	GW120412064			2"SP/LINE	4.41	5.76	2GPM	37.0	DFB	3	0	0	0	0		0 N	NA	
064	393	159967	7/12/2012	GW120712064			2"SP/LINE	7.24	7.52	2GPM	21.0	DFB	3	0	0	0	0		0 N	NA	
064	395	160151	10/9/2012	GW121009064			2"SP/LINE	4.47	4.93	2GPM	27.0	DFB	3	0	0	0	0		0 N	NA	
065	389	159527	1/11/2012	GW120111065	NR120111312		2"SP/LINE	3.35	7.73	3GPM	78.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
065	391	159768	4/12/2012	GW120412065			2"SP/LINE	4.43	10.58	3GPM	76.0	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
065	393	159968	7/12/2012	GW120712065			2"SP/LINE	6.80	10.79	3GPM	72.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
065	395	160152	10/9/2012	GW121009065			2"SP/LINE	4.08	10.49	4GPM	77.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
066	389	159534	1/12/2012	GW120112066			2"SP/LINE	4.42	5.66	1.5GPM	13.0	DFB	3	0	0	0	0		0 N	NA	
066	391	159759	4/10/2012	GW120410066			2"SP/LINE	5.82	7.11	1GPM	10.0	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
066	393	159960	7/10/2012	GW120710066			2"SP/LINE	6.82	7.41	2M/G	8.0	DFB	3	0	0	0	0		0 N	NA	
066	395	160150	10/9/2012	GW121009066	NR121009312		2"SP/LINE	4.49	5.37	1GPM	13.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
067	389	159540	1/16/2012	GW120116067			BP/LINE	7.64	7.98	2.1M/G	3.4	DFB	3	0	0	0	0		0 N	NA	
067	391	159754	4/9/2012	GW120409067	NR120409312		BP/LINE	3.10	8.78	2M/G	3.1	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
067	393	159952	7/9/2012	GW120709067	NR120709312		BP/LINE	8.81	9.51	1.5M/G	2.8	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
067	395	160157	10/10/2012	GW121010067			BP/LINE	7.66	8.05	1.7M/G	3.4	DFB	3	0	0	0	0		0 N	NA	
068	389	159547	1/18/2012	GW120118068			2"SP/LINE	11.38	13.63	2GPM	23.0	DFB	3	0	1	1	1		0 N	NA	
068	391	159779	4/18/2012	GW120418068			2"SP/LINE	12.41	14.24	2GPM	21.0	DFB	6	0	1	1	1		1 N	NA	EPA 625, MOF AND PART 373
068	393	159982	7/17/2012	GW120717068			2"SP/LINE	13.22	14.59	2GPM	19.0	DFB	3	0	1	1	1		0 N	NA	
068	395	160170	10/17/2012	GW121017068			2"SP/LINE	12.47	15.17	2GPM	21.0	DFB	3	0	1	1	1		0 N	NA	
069	390	159658	3/9/2012	GW120309069	NR120309312		2"SP/LINE	3.26	6.33	3GPM	24.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
069	394	160088	9/13/2012	GW120913069			2"SP/LINE	4.87	6.21	2GPM	21.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
085	392	159831	5/7/2012	GW120507085	NR120507312		2"SP/LINE	25.53	85.28	2GPM	47.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #312
085	396	160238	11/15/2012	GW121115085			2"SP/LINE	25.91	NR	2GPM	47.0	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
087	390	159686	3/15/2012	GW120315087			2"SP/LINE	9.64	33.67	3GPM	48.0	DFB	3	0	0	0	0		0 N	NA	
087	394	160093	9/14/2012	GW120914087			2"SP/LINE	11.57	31.93	2GPM	47.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
103	390	159618	2/14/2012	GW120214103			PP/B	11.46	DRY	NA	0.6	DFB	3	0	1	1	1	0 Y	NA		
103	395	160107	9/25/2012	GW120925103			PP/B	12.54	DRY	NA	0.4	DFB	3	0	1	1	1	0 Y	NA	NETS HYDROLAB	
104	390	159619	2/14/2012	GW120214104			PP/B	30.51	DRY	NA	0.3	DFB	3	0	1	1	1	0 Y	NA		
104	395	160108	9/25/2012									DFB								NO SAMPLE, DRY WELL	
104	396	160233	11/14/2012	GW121114104			PP/B	31.56	DRY	NA	0.1	DFB	3	0	1	1	1	0 Y	NA	NOT ENOUGH WATER AFTER SAMPLE FOR FIELD PARAMETERS	
105	390	159623	2/15/2012	GW120215105			BP/LINE	35.74	91.55	1.7M/G	17.0	DFB	3	0	0	0	0	0 Y	NA		
105	395	160105	9/25/2012	GW120925105			BP/LINE	38.02	@PUMP	2.5M/G	13.0	DFB	3	0	0	0	0	0 Y	NA		
106	390	159624	2/15/2012	GW120215106			BP/LINE	45.38	114.26	2M/G	18.0	DFB	3	0	0	0	0	0 Y	NA		
106	395	160106	9/25/2012	GW120915106			BP/LINE	49.44	@PUMP	2.6M/G	18.0	DFB	3	0	0	0	0	0 Y	NA		
108	390	159628	2/16/2012	GW120216108			2"SP/LINE	20.94	@PUMP	2GPM	16.0	DFB	3	0	0	0	0	0 Y	NA		
108	395	160114	9/27/2012	GW120927108			2"SP/LINE	28.25	@PUMP	2GPM	16.0	DFB	3	0	0	0	0	0 Y	NA		
109	390	159629	2/16/2012	GW120216109			2"SP/LINE	30.18	@PUMP	2GPM	34.0	DFB	3	0	0	0	0	0 Y	NA		
109	395	160115	9/27/2012	GW120927109			2"SP/LINE	35.13	@PUMP	2GPM	38.0	DFB	3	0	0	0	0	0 Y	NA	FIELD BLANK TAKEN	
113	389	159541	1/17/2012	GW120117113			2"SP/LINE	-2.00	@PUMP	2GPM	40.0	DFB	3	0	0	0	0	0 Y	NA	FIELD BLANK TAKEN	
113	391	159764	4/12/2012	GW120412113			2"SP/LINE	-2.00	@PUMP	2GPM	42.0	DFB	3	0	0	0	0	0 Y	NA		
113	393	159973	7/13/2012	GW120713113			2"SP/LINE	1.48	@PUMP	2GPM	38.0	DFB	3	0	0	0	0	0 Y	NA		
113	395	160166	10/17/2012	GW121017113			2"SP/LINE	-2.00	@PUMP	2GPM	38.0	DFB	3	0	0	0	0	0 Y	NA		
118	391	159719	3/29/2012	GW120329118			BP/LINE	83.68	109.32	1.9M/G	34.0	DFB	3	0	1	1	0	0 N	ND/ND		
118	395	160186	10/30/2012	GW121030118			BP/LINE	100.89	120.92	2.7M/G	25.0	DFB	3	0	1	1	0	0 N	ND/ND	FIELD BLANK TAKEN	
143	390	159680	3/14/2012	GW120314143			BP/LINE	98.51	99.03	1.9M/G	23.0	DFB	3	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
143	394	160090	9/13/2012	GW120913143			BP/LINE	114.05	114.41	2.4M/G	15.0	DFB	6	0	0	0	0	0 N	NA	MS/MSD VOAS	
145	391	159703	3/21/2012	GW120321145			BP/LINE	60.51	@PUMP	2.3M/G	7.0	DFB	3	0	0	0	0	0 Y	NA		
146	391	159701	3/21/2012	GW120321146			BP/LINE	64.84	67.16	2.8M/G	40.0	DFB	3	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
150	392	159830	5/7/2012	GW120507150			2"SP/LINE	62.95	@PUMP	2GPM	12.0	DFB	3	0	0	0	0	0 Y	NA		
150	396	160234	11/14/2012	GW121114150			2"SP/LINE	72.81	@PUMP	1GPM	10.0	DFB	3	0	0	0	0	0 Y	NA		
151	391	159706	3/22/2012	GW120322151			PP/B	15.32	DRY	7.5M/G		DFB	3	0	1	1	1	0 Y	NA		
151	394	160008	7/30/2012	GW120731151								DFB	0	0	1	1	1	0	NA	METALS AND TOTAL FLUORIDE ONLY	
151	394	160008	7/30/2012	GW120730151			PP/B	16.40	DRY	NA	0.4	DFB	3	0	0	0	0	0 Y	NA	VOAS ONLY, NETS HYDROLAB	
156	390	159681	3/15/2012	GW120315156			2"SP/LINE	37.38	@PUMP	2GPM	14.0	DFB	3	0	0	0	0	0 Y	NA		
156	394	160048	8/9/2012	GW120809156			2"SP/LINE	47.33	@PUMP	2GPM	8.0	DFB	3	0	0	0	0	0 Y	NA		
161	391	159707	3/22/2012	GW120322161			PP/B	15.93	15.98	NA	0.7	DFB	3	0	1	1	1	0 N	NA	FIELD BLANK TAKEN	
166	393	159907	6/19/2012	GW120619166			2"SP/LINE	6.36	@PUMP	2GPM	32.0	DFB	3	0	0	0	0	0 Y	NA	FIELD BLANK TAKEN	
166	398	160404	12/19/2012	GW121219166			2"SP/LINE	5.64	@PUMP	2GPM	30.0	DFB	3	0	0	0	0	0 Y	NA		
167	393	159908	6/19/2012	GW120619167			BP/LINE	6.62	135.57	3M/G	31.0	DFB	3	0	0	0	0	0 Y	NA		
167	398	160405	12/19/2012	GW121219167			BP/LINE	6.28	139.14	2.8M/G	28.0	DFB	3	0	0	0	0	0 Y	NA		
178	390	159696	3/20/2012	GW120320178			B/B	20.56	24.11	2.7M/G	2.7	DFB	3	0	0	0	0	0 N	NA		
181	392	159853	5/17/2012	GW120517181			2"SP/LINE	2.25	15.51	2GPM	31.0	DFB	3	0	0	0	0	0 N	ND/ND		
181	396	160241	11/19/2012	GW121119181			2"SP/LINE	2.53	15.92	1.5M/G	30.0	DFB	3	0	0	0	0	0 N	ND/ND		
204	391	159712	3/27/2012	GW120327204			B/B	8.89	11.46	NA	1.9	DFB	3	0	1	1	1	0 N	NA		
210	388	159495	1/3/2012	PW120103210		NR120103310	SP/TAP	NA	NA	0.3	DFB	6	0	2	2	2	0	0 N	NA	QC DUPLICATE #310	
210	389	159574	2/1/2012	PW120201210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	1 N	NA	SMALL PW KIT, FIELD BLANK TAKEN	
210	390	159643	3/7/2012	PW120307210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
210	391	159799	4/27/2012	PW120427210			SP/TAP	NA	NA	0.3	GBM	3	0	0	0	0	0	0 N	NA		
210	392	159806	5/2/2012	PW120502210		NR120502310	SP/TAP	NA	NA	0.3	DFB	6	0	0	0	0	0	0 N	NA	QC DUPLICATE #310	
210	392	159860	6/5/2012	PW120605210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
210	393	159925	7/2/2012	PW120702210			SP/TAP	NA	NA	0.3	DFB	3	0	1	1	1	0	0 N	NA		
210	394	160018	8/1/2012	PW120801210		NR120801310	SP/TAP	NA	NA	0.3	DFB	6	0	0	0	0	0	2 N	NA	QC DUPLICATE #310, PW KIT, FIELD BLANK TAKEN	
210	394	160054	9/4/2012	PW120904210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
210	395	160122	10/1/2012	PW121001210		NR121001310	SP/TAP	NA	NA	0.3	DFB	6	0	2	2	2	0	0 N	NA	QC DUPLICATE #310, FIELD BLANK TAKEN	
210	395	160198	11/5/2012	PW121105210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
210	396	160257	12/6/2012	PW121206210			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	
220	388	159494	1/3/2012	PW120103220			SP/TAP	NA	NA	0.3	DFB	3	0	1	1	1	0	0 N	ND/ND		
220	389	159575	2/1/2012	PW120201220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	1 N	7.7/7.7	SMALL PW KIT	
220	390	159640	3/7/2012	PW120307220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	ND/ND		
220	391	159720	4/2/2012	PW120402220			SP/TAP	NA	NA	0.3	DFB	3	0	1	1	1	0	0 N	1.4/1.7		
220	392	159805	5/2/2012	PW120502220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	ND/ND		
220	392	159856	6/5/2012	PW120605220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	ND/ND		
220	393	159921	7/2/2012	PW120702220			SP/TAP	NA	NA	0.3	DFB	3	0	1	1	1	0	0 N	ND/ND		
220	394	160014	8/1/2012	PW120801220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	1 N	ND/ND	PW KIT	
220	394	160050	9/4/2012	PW120904220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	5.5/5.5		
220	395	160118	10/1/2012	PW121001220			SP/TAP	NA	NA	0.3	DFB	3	0	1	1	1	0	0 N	ND/ND		
220	395	160195	11/5/2012	PW121105220			SP/TAP	NA	NA	0.3	DFB	3	0	0	0	0	0	0 N	ND/ND		

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
220	396	160246	12/5/2012	PW121205220			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
240	388	159493	1/3/2012	PW120103240			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N		ND/ND	
240	389	159576	2/1/2012	PW120201240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	1 N		ND/ND	PW KIT
240	390	159641	3/7/2012	PW120307240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
240	391	159721	4/2/2012	PW120402240			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N		ND/ND	
240	392	159815	5/2/2012	PW120502240			SCOOP		NA	NA		DFB	3	0	0	0	0	0 N		ND/ND	
240	392	159857	6/5/2012	PW120605240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
240	393	159922	7/2/2012	PW120702240			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N		ND/ND	
240	394	160015	8/1/2012	PW120801240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	1 N		ND/ND	PW KIT
240	394	160051	9/4/2012	PW120904240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
240	395	160119	10/1/2012	PW121001240			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N		ND/ND	
240	395	160196	11/5/2012	PW121105240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
240	396	160247	12/5/2012	PW121205240			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
250	389	159501	1/4/2012	PW120104250			SP/TAP	94.90	95.40	NA		DFB	3	0	1	1	1	0 N		NA	TOTALIZER AND GPM READOUT NOT WORKING
250	389	159596	2/7/2012					92.25				DFB									NO SAMPLE, WELL TURNED OFF BEFORE PV ACHIEVED
250	390	159601	2/8/2012	PW120208250			SP/TAP	92.60	93.60	NA		DFB	3	0	0	0	0	1 N		NA	
250	390	159654	3/8/2012	PW120308250			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
250	391	159728	4/3/2012	PW120403250			SP/TAP	87.90	88.75	NA		DFB	3	0	1	1	1	0 N		NA	GPM AND TOTALIZER READOUT NOT WORKING
250	392	159854	5/21/2012	PW120521250			SP/TAP	93.80	110.15	103GPM	12000.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
250	392	159866	6/7/2012	PW120607250	NR120607310		SP/TAP		NA	83GPM	13000.0	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #310
250	393	159930	7/3/2012	PW120703250		NR120703310	SP/TAP		NA	NA	16000.0	DFB	6	0	2	2	2	0 N		NA	QC DUPLICATE #310
250	394	160030	8/7/2012	PW120807250			SP/TAP	97.20	121.90	105GPM	36000.0	DFB	3	0	0	0	0	1 N		NA	PW KIT
250	394	160064	9/5/2012	PW120905250	NR120905310		SP/TAP	97.80	116.25	110GPM	18000.0	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #310
250	395	160127	10/2/2012	PW121002250			SP/TAP	100.30	122.35	131GPM	23000.0	DFB	3	0	1	1	1	0 N		NA	
250	396	160205	11/6/2012	PW121106250			SP/TAP		NA	NA	26000.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
250	396	160254	12/6/2012	PW121206250			SP/TAP		NA	NA	26000.0	DFB	3	0	0	0	0	0 N		NA	
260	389	159502	1/4/2012	PW120104260			SP/TAP	52.45	170.60	70GPM	12000.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
260	390	159602	2/8/2012	PW120208260			SP/TAP	54.05	180.30	66GPM	15000.0	DFB	6	0	0	0	0	2 N		NA	SMALL PW KIT, QC DUPLICATE #310
260	390	159655	3/8/2012	PW120308260			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
260	391	159729	4/3/2012	PW120403260			SP/TAP	56.05	200.55	65GPM	13000.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
260	392	159817	5/3/2012	PW120503260			SP/TAP		NA	NA	11000.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
260	392	159867	6/7/2012	PW120607260			SP/TAP		NA	50GPM	11000.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
260	393	159931	7/3/2012	PW120703260			SP/TAP		NA	NA	10000.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
260	394	160023	8/6/2012	PW120806260			SP/TAP	65.35	250.45	105GPM	9000.0	DFB	3	0	0	0	0	1 N		NA	PW KIT
260	394	160065	9/5/2012	PW120905260			SP/TAP	66.45	253.90	80GPM	13000.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
260	395	160128	10/2/2012	PW121002260			SP/TAP	65.60	269.25	60GPM	11000.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
260	396	160206	11/6/2012	PW121106260			SP/TAP		NA	NA	12000.0	DFB	3	0	0	0	0	0 N		NA	
260	396	160255	12/6/2012	GW121206260			SP/TAP		NA	NA	12000.0	DFB	3	0	0	0	0	0 N		NA	
270	389	159503	1/4/2012	PW120104270			SP/TAP	37.55	>300	40GPM	12900.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	389	159597	2/7/2012					40.30				DFB									NO SAMPLE, WELL TURNED OFF BEFORE PV ACHIEVED
270	390	159603	2/8/2012	PW120208270			SP/TAP	45.70	>300	37GPM	14800.0	DFB	3	0	1	1	1	1 N		ND/ND	SMALL PW KIT
270	390	159656	3/8/2012	PW120308270			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		ND/ND	
270	391	159730	4/3/2012	PW120403270			SP/TAP	46.40	>300	40GPM	14300.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	392	159818	5/3/2012	PW120503270			SP/TAP		NA	NA	14800.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	392	159868	6/7/2012	PW120607270			SP/TAP		NA	35GPM	15300.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	393	159932	7/3/2012	PW120703270			SP/TAP		NA	NA	13700.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	394	160029	8/7/2012	PW120807270			SP/TAP	50.00	>300	NA	14100.0	DFB	3	0	1	1	1	1 N		ND/ND	PW KIT
270	394	160067	9/5/2012	PW120905270			SP/TAP	54.55	>300	35GPM	13800.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	395	160129	10/2/2012	PW121002270			SP/TAP	53.75	>300	35GPM	15300.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	396	160207	11/6/2012	PW121106270			SP/TAP		NA	NA	14600.0	DFB	3	0	1	1	1	0 N		ND/ND	
270	396	160256	12/6/2012	GW121206270		NR121206310	SP/TAP		NA	NA	11100.0	DFB	6	0	2	2	2	0 Y		ND/ND	QC DUPLICATE #310, LOW FLOW: PV MISSED BY 1000 GAL
290	388	159499	1/3/2012									DFB									NO SAMPLE, OFF LINE
290	397	160333	2/29/2012									DFB									NO SAMPLE, OFF LINE
290	390	159653	3/8/2012									DFB	3	0	0	0	0	0			NO SAMPLE, OFF LINE
290	390	159698	4/2/2012									DFB									NO SAMPLE, OFF LINE
290	397	160334	5/31/2012									DFB									NO SAMPLE, OFF LINE
290	397	160335	6/29/2012									DFB									NO SAMPLE, OFF LINE
290	397	160336	7/31/2012									DFB									NO SAMPLE, OFF LINE
290	397	160337	8/31/2012									DFB									NO SAMPLE, OFF LINE
290	397	160338	9/28/2012									DFB									NO SAMPLE, OFF LINE
290	397	160339	10/31/2012									DFB									NO SAMPLE, OFF LINE
290	395	160199	11/5/2012									DFB									NO SAMPLE, OFF LINE

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
290	397	160340	12/28/2012									DFB									NO SAMPLE, OFF LINE
300	391		4/17/2012	TB120417300								DFB	3	0	0	0	0	0			TRIP BLANK, MOF
300	391		4/18/2012	TB120418300								DFB	3	0	0	0	0	0			TRIP BLANK, MOF
300	391		4/19/2012	TB120419300								DFB	3	0	0	0	0	0			TRIP BLANK, MOF
300	391		4/24/2012	TB120424300								DFB	3	0	0	0	0	0			TRIP BLANK, MOF
302	388		1/3/2012	TB120103302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/4/2012	TB120104302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/5/2012	TB120105302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/9/2012	TB120109302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/10/2012	TB120110302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/11/2012	TB120111302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/12/2012	TB120112302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/16/2012	TB120116302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/17/2012	TB120117302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/18/2012	TB120118302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/19/2012	TB120119302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/23/2012	TB120123302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/24/2012	TB120124302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/25/2012	TB120125302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/30/2012	TB120130302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		1/31/2012	TB120131302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		2/1/2012	TB120201302								DFB	3	0	0	0	0	0			TRIP BLANK
302	389		2/2/2012	TB120202302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/8/2012	TB120208302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/9/2012	TB120209302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/13/2012	TB120213302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/14/2012	TB120214302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/15/2012	TB120215302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		2/16/2012	TB120216302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/6/2012	TB120306302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/7/2012	TB120307302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/8/2012	TB120308302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/9/2012	TB120309302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/12/2012	TB120312302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/13/2012	TB120313302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/14/2012	TB120314302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/15/2012	TB120315302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/19/2012	TB120319302								DFB	3	0	0	0	0	0			TRIP BLANK
302	390		3/20/2012	TB120320302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/21/2012	TB120321302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/22/2012	TB120322302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/26/2012	TB120326302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/27/2012	TB120327302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/28/2012	TB120328302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		3/29/2012	TB120329302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/2/2012	TB120402302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/3/2012	TB120403302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/4/2012	TB120404302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/5/2012	TB120405302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/9/2012	TB120409302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/10/2012	TB120410302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/11/2012	TB120411302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/12/2012	TB120412302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/16/2012	TB120416302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/17/2012	TB120417302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/18/2012	TB120418302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/19/2012	TB120419302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/23/2012	TB120423302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/24/2012	TB120424302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/25/2012	TB120425302								DFB	3	0	0	0	0	0			TRIP BLANK
302	391		4/26/2012	TB120426302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/1/2012	TB120501302								DFB	3	0	0	0	0	0			TRIP BLANK

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
302	392		5/2/2012	TB120502302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/3/2012	TB120503302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/4/2012	TB120504302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/7/2012	TB120507302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/8/2012	TB120508302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/9/2012	TB120509302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/10/2012	TB120510302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/11/2012	TB120511302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/14/2012	TB120514302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/15/2012	TB120515302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/16/2012	TB120516302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/17/2012	TB120517302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		5/21/2012	TB120521302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/5/2012	TB120605302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/7/2012	TB120607302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/8/2012	TB120608302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/11/2012	TB120611302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/12/2012	TB120612302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/13/2012	TB120613302								DFB	3	0	0	0	0	0			TRIP BLANK
302	392		6/14/2012	TB120614302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/18/2012	TB120618302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/19/2012	TB120619302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/20/2012	TB120620302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/21/2012	TB120621302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/26/2012	TB120626302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		6/29/2012	TB120629302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/2/2012	TB120702302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/3/2012	TB120703302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/5/2012	TB120705302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/6/2012	TB120706302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/9/2012	TB120709302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/10/2012	TB120710302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/11/2012	TB120711302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/12/2012	TB120712302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/13/2012	TB120713302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/16/2012	TB120716302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/17/2012	TB120717302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/18/2012	TB120718302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/23/2012	TB120723302								DFB	3	0	0	0	0	0			TRIP BLANK
302	393		7/25/2012	TB120725302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		7/27/2012	TB120727302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		7/30/2012	TB120730302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		7/31/2012	TB120731302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		8/1/2012	TB120801302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		8/6/2012	TB120806302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		8/7/2012	TB120807302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		8/8/2012	TB120808302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		8/9/2012	TB120809302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/4/2012	TB120904302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/5/2012	TB120905302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/10/2012	TB120910302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/11/2012	TB120911302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/13/2012	TB120913302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/14/2012	TB120914302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/17/2012	TB120917302								DFB	3	0	0	0	0	0			TRIP BLANK
302	394		9/19/2012	TB120919302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		9/24/2012	TB120924302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		9/25/2012	TB120925302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		9/26/2012	TB120926302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		9/27/2012	TB120927302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/1/2012	TB121001302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/2/2012	TB121002302								DFB	3	0	0	0	0	0			TRIP BLANK

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
302	395		10/3/2012	TB121003302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/4/2012	TB121004302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/9/2012	TB121009302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/10/2012	TB121010302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/16/2012	TB121016302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/17/2012	TB121017302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/18/2012	TB121018302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/23/2012	TB121023302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/24/2012	TB121024302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/25/2012	TB121025302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/30/2012	TB121030302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		10/31/2012	TB121031302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		11/1/2012	TB121101302								DFB	3	0	0	0	0	0			TRIP BLANK
302	395		11/5/2012	TB121105302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/6/2012	TB121106302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/7/2012	TB121107302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/8/2012	TB121108302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/12/2012	TB121112302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/13/2012	TB121113302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/14/2012	TB121114302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/15/2012	TB121115302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/19/2012	TB121119302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/20/2012	TB121120302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		11/26/2012	TB121126302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/5/2012	TB121205302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/6/2012	TB121206302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/10/2012	TB121210302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/11/2012	TB121211302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/12/2012	TB121212302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/13/2012	TB121213302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/14/2012	TB121214302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/17/2012	TB121217302								DFB	3	0	0	0	0	0			TRIP BLANK
302	396		12/18/2012	TB121218302								DFB	3	0	0	0	0	0			TRIP BLANK
302	398		12/19/2012	TB121219302								DFB	3	0	0	0	0	0			TRIP BLANK
303	388		1/3/2012	EB120103303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/4/2012	EB120104303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/5/2012	EB120105303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/10/2012	EB120110303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/11/2012	EB120111303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/12/2012	EB120112303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/16/2012	EB120116303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/17/2012	EB120117303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/18/2012	EB120118303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/19/2012	EB120119303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/23/2012	EB120123303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/24/2012	EB120124303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/25/2012	EB120125303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/30/2012	EB120130303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		1/31/2012	EB120131303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		2/1/2012	EB120201303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	389		2/2/2012	EB120202303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		2/8/2012	EB120208303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/SCOOP
303	390		2/9/2012	EB120209303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		2/13/2012	EB120213303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		2/14/2012	EB120214303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		2/15/2012	EB120215302								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		2/16/2012	EB120216303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/6/2012	EB120306303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/7/2012	EB120307303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/8/2012	EB120308303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/9/2012	EB120309303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/13/2012	EB120313303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
303	390		3/14/2012	EB120314303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/15/2012	EB120315303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/19/2012	EB120319303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	390		3/20/2012	EB120320303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/21/2012	EB120321303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/22/2012	EB120322303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/26/2012	EB120326303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/27/2012	EB120327303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/28/2012	EB120328303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		3/29/2012	EB120329303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/2/2012	EB120402303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/3/2012	EB120403303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/5/2012	EB120405303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/9/2012	EB120409303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/10/2012	EB120410303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/11/2012	EB120411303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/12/2012	EB120412303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/16/2012	EB120416303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/17/2012	EB120417303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/18/2012	EB120418303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/19/2012	EB120419303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/23/2012	EB120423303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/24/2012	EB120424303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/25/2012	EB120425303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	391		4/26/2012	EB120426303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/1/2012	EB120501303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/3/2012	EB120503303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/4/2012	EB120504303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/7/2012	EB120507303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/8/2012	EB120508303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/9/2012	EB120509303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/10/2012	EB120510303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/11/2012	EB120511303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/14/2012	EB120514303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/15/2012	EB120515303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/16/2012	EB120516303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/17/2012	EB120517303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		5/21/2012	EB120521303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/5/2012	EB120605303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/8/2012	EB120608303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/11/2012	EB120611303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/12/2012	EB120612303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/13/2012	EB120613303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	392		6/14/2012	EB120614303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		6/18/2012	EB120618303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		6/19/2012	EB120619303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		6/21/2012	EB120621303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		6/26/2012	EB120626303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		6/29/2012	EB120629303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/2/2012	EB120702303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/3/2012	EB120703303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/6/2012	EB120706303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/9/2012	EB120709303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/10/2012	EB120710303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/11/2012	EB120711303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/12/2012	EB120712303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/13/2012	EB120713303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/16/2012	EB120716303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/17/2012	EB120717303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/18/2012	EB120718303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/23/2012	EB120723303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	393		7/25/2012	EB120725303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
303	394		7/27/2012	EB120727303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		7/30/2012	EB120730303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		7/31/2012	EB120731303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		8/1/2012	EB120801303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		8/6/2012	EB120806303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		8/8/2012	EB120808303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		8/9/2012	EB120809303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/4/2012	EB120904303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/5/2012	EB120905303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/11/2012	EB120911303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/13/2012	EB120913303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/14/2012	EB120914303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/17/2012	EB120917303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	394		9/19/2012	EB120919303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		9/24/2012	EB120924303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		9/25/2012	EB120925303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		9/26/2012	EB120926303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		9/27/2012	EB120927303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/1/2012	EB121001303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/2/2012	EB121002303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/4/2012	EB121004303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/9/2012	EB121009303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/10/2012	EB121010303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/16/2012	EB121016303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/17/2012	EB121017303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/18/2012	EB121018303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/23/2012	EB121023303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/24/2012	EB121024303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/25/2012	EB121025303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/30/2012	EB121030303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		10/31/2012	EB121031303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		11/1/2012	EB121101303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	395		11/5/2012	EB121105303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/6/2012	EB121106303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/8/2012	EB121108303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/12/2012	EB121112303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/13/2012	EB121113303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/14/2012	EB121114303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/15/2012	EB121115303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/19/2012	EB121119303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/20/2012	EB121120303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		11/26/2012	EB121126303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/5/2012	EB121205303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/6/2012	EB121206303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/10/2012	EB121210303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/12/2012	EB121212303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/13/2012	EB121213303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/14/2012	EB121214303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	396		12/18/2012	EB121218303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	398		12/19/2012	EB121219303								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
304	396		12/17/2012	EB121217304								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/SP#3
305	393		6/20/2012	EB120620305								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/2"SP#3
305	396		11/7/2012	EB121107305								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
305	396		12/11/2012	EB121211305								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/SCOOP
306	395		10/3/2012	EB121003306								DFB	3	0	0	0	0	0			EQUIPMENT BLANK/SCOOP
323	388	159491	1/3/2012	PW120103323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	389	159577	2/1/2012	PW120201323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	SMALL PW KIT
323	390	159644	3/7/2012	PW120307323	NR120307310		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #310
323	391	159722	4/2/2012	PW120402323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	392	159808	5/2/2012	PW120502323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
323	392	159858	6/5/2012	PW120605323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	393	159923	7/2/2012	PW120702323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
323	394	160016	8/1/2012	PW120801323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	1 N	NA	PW KIT	
323	394	160052	9/4/2012	PW120904323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	NA		
323	395	160120	10/1/2012	PW121001323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	NA		
323	395	160197	11/5/2012	PW121105323	NR121105310		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0 N	NA	QC DUPLICATE #310	
323	396	160248	12/5/2012	PW121205323			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	NA		
325	388	159492	1/3/2012	PW120103325			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
325	389	159578	2/1/2012	PW120201325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	1 N	ND/ND	PW KIT	
325	390	159642	3/7/2012	PW120307325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
325	391	159723	4/2/2012	PW120402325	NR120402310		SP/TAP		NA	NA	0.3	DFB	6	0	2	2	2	0 N	ND/ND	QC DUPLICATE #310	
325	392	159807	5/2/2012	PW120502325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
325	392	159859	6/5/2012	PW120605325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
325	393	159924	7/2/2012	PW120702325			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
325	394	160017	8/1/2012	PW120801325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	1 N	ND/ND	PW KIT	
325	394	160053	9/4/2012	PW120904325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
325	395	160121	10/1/2012	PW121001325			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
325	395	160194	11/5/2012	PW121105325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
325	396	160249	12/5/2012	PW121205325			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395	389	159504	1/5/2012	SW120105395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	389	159588	2/2/2012	SW120202395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	390	159672	3/13/2012	SW120313395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	391	159731	4/3/2012	SW120403395	NR120403311		SP/TAP		NA	NA	0.3	DFB	6	0	2	2	2	0 N	0.4/0.4	QC DUPLICATE #311	
395	392	159827	5/4/2012	SW120504395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	392	159885	6/11/2012	SW120611395	NR120611311		SP/TAP		NA	NA	0.3	DFB	6	0	2	2	2	0 N	ND/ND	QC DUPLICATE #311	
395	393	159942	7/6/2012	SW120706395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	394	160038	8/8/2012	SW120808395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	394	160068	9/5/2012	SW120905395	NR120905311		SP/TAP		NA	NA	0.3	DFB	6	0	2	2	2	0 N	ND/ND	QC DUPLICATE #311	
395	395	160144	10/4/2012	SW121004395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395	396	160220	11/8/2012	SW121108395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	0.6/1.7		
395	396	160263	12/10/2012	SW121210395			SP/TAP		NA	NA	0.3	DFB	3	0	1	1	1	0 N	ND/ND		
395A	389	159505	1/5/2012	SW120105395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	389	159589	2/2/2012	SW120202395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	390	159673	3/13/2012	SW120313395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	391	159732	4/3/2012	SW120403395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	0.4/0.4		
395A	392	159828	5/4/2012	SW120504395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	392	159886	6/11/2012	SW120611395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	393	159943	7/6/2012	SW120706395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	394	160039	8/8/2012	SW120808395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	394	160069	9/5/2012	SW120905395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	395	160145	10/4/2012	SW121004395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395A	396	160221	11/8/2012	SW121108395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	0.6/0.6		
395A	396	160264	12/10/2012	SW121210395A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	389	159506	1/5/2012	SW120105395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	389	159590	2/2/2012	SW120202395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	390	159674	3/13/2012	SW120313395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	391	159733	4/3/2012	SW120403395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	392	159829	5/4/2012	SW120504395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	392	159887	6/11/2012	SW120611395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	393	159944	7/6/2012	SW120706395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	394	160040	8/8/2012	SW120808395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	394	160070	9/5/2012	SW120905395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	395	160146	10/4/2012	SW121004395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	396	160222	11/8/2012	SW121108395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
395B	396	160265	12/10/2012	SW121210395B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N	ND/ND		
400	393	159904	6/18/2012	GW120618400			PP/B	10.24	11.84	4.3M/G	6.6	DFB	3	0	0	0	0	0 N	NA		
400	396	160297	12/18/2012	GW121218400			BP/LINE	9.36	10.54	2M/G	8.3	DFB	3	0	0	0	0	0 N	NA		
401	393	159905	6/18/2012	GW120618401			BPP/LINE	13.21	NA	1.9M/G	22.0	DFB	6	0	0	0	0	0 N	NA	MS/MSD VOAS	
401	396	160298	12/18/2012	GW121218401			BP/LINE	13.37	NA	1.8M/G	22.0	DFB	3	0	0	0	0	0 N	NA		
402	392	159892	6/13/2012	GW120613402	NR120613312		2"SP/LINE	31.81	72.38	6GPM	144.0	DFB	6	0	0	0	0	0 N	NA	QC DUPLICATE #312	
402	395	160117	9/27/2012	GW120927402	NR120927313		2"SP/LINE	38.17	64.61	4GPM	132.0	DFB	9	0	0	0	0	0 N	NA	QC DUPLICATE #313, MS/MSD VOAS	
403	392	159898	6/14/2012	GW120614403			BP/LINE	10.98	21.48	1.5M/G	27.0	DFB	3	0	0	0	0	0 N	NA		
403	396	160300	12/18/2012	GW121218403			BP/LINE	7.72	16.89	1.2M/G	34.0	DFB	6	0	0	0	0	0 N	NA	MS/MSD VOAS	
404	393	159901	6/18/2012	GW120618404			BP/LINE	86.11	87.12	2M/G	78.0	DFB	3	0	0	0	0	0 N	NA	FIELD BLANK TAKEN	

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
404	396	160299	12/18/2012	GW121218404			BP/LINE	86.68	87.64	1.8M/G	77.0	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
407	392	159893	6/13/2012	GW120613407			2"SP/LINE	83.67	157.66	4GPM	306.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
407	396	160287	12/14/2012	GW121214407	NR121214312		2"SP/LINE	84.11	162.44	5GPM	306.0	DFB	6	0	0	0	0	0 N	NA	NA	QC DUPLICATE #312
408	393	159906	6/18/2012	GW120618408			BP/LINE	3.81	6.02	1.2M/G	29.0	DFB	3	0	0	0	0	0 N	NA	NA	
408	398	160401	12/19/2012	GW121219408			BP/LINE	2.56	4.45	1.5M/G	31.0	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
410	393	159902	6/18/2012	GW120618410			PP/B	15.84	DRY	7M/G	2.1	DFB	3	0	0	0	0	0 Y	NA	NA	
410	398	160402	12/19/2012	GW121219410			PP/B	15.26	DRY	7M/G	4.0	DFB	3	0	0	0	0	0 Y	NA	NA	
412	392	159899	6/14/2012	GW120614412			BPP/LINE	12.41	NA	1.5M/G	22.0	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
412	398	160403	12/19/2012	GW121219412			BPP/LINE	12.85	NA	1.8M/G	22.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
415	392	159895	6/14/2012	GW120614415			2"SP/LINE	18.31	50.34	4GPM	292.0	DFB	3	0	0	0	0	0 N	NA	NA	
415	396	160290	12/14/2012	GW121214415			2"SP/LINE	18.36	40.81	5GPM	292.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
416	389	159557	1/23/2012	GW120123416			BP/LINE	7.17	20.92	1.7M/G	20.0	DFB	3	0	0	0	0	0 Y	NA	NA	RESAMPLE
416	393	159903	6/18/2012	GW120618416	NR120618316		BP/LINE	6.98	21.24	1.8M/G	19.0	DFB	6	0	0	0	0	0 Y	NA	NA	QC DUPLICATE #313
416	396	160292	12/14/2012	GW121214416			BP/LINE	9.23	21.81	1.1M/G	16.0	DFB	3	0	0	0	0	0 Y	NA	NA	
417	392	159894	6/13/2012	GW120613417			2"SP/LINE	18.87	35.17	4GPM	152.0	DFB	3	0	0	0	0	0 N	NA	NA	
417	396	160293	12/14/2012	GW121214417			2"SP/LINE	17.82	45.73	5GPM	154.0	DFB	3	0	0	0	0	0 N	NA	NA	
423	392	159896	6/14/2012	GW120614423			BP/LINE	9.84	10.51	1.3M/G	26.0	DFB	3	0	0	0	0	0 N	NA	NA	
423	396	160288	12/14/2012	GW121214423			BP/LINE	11.10	11.51	1.4M/G	24.0	DFB	3	0	0	0	0	0 N	NA	NA	
424	392	159897	6/14/2012	GW120614424			BP/LINE	13.21	22.04	1.9M/G	22.0	DFB	3	0	0	0	0	0 N	NA	NA	
424	396	160289	12/14/2012	GW121214424	NR121214313		BP/LINE	14.30	21.96	2.7M/G	20.0	DFB	6	0	0	0	0	0 N	NA	NA	QC DUPLICATE #313, FIELD BLANK TAKEN
502	389	159543	1/17/2012	GW120117502	NR120117313		BP/LINE	1.34	7.72	2M/G	17.0	DFB	6	0	0	0	0	0 N	NA	NA	QC DUPLICATE #313
502	391	159785	4/23/2012	GW120423502			BP/LINE	0.79	10.24	1.4M/G	17.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
502	393	159958	7/10/2012	GW120710502			BP/LINE	2.76	9.23	1.8M/G	16.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
502	395	160177	10/23/2012	GW121023502			BP/LINE	1.41	10.26	1.8M/G	17.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
503	389	159542	1/17/2012	GW120117503			2"SP/LINE	1.28	7.90	7.5GPM	226.0	DFB	3	0	0	0	0	0 N	NA	NA	
503	391	159763	4/11/2012	GW120411503			2"SP/LINE	2.85	8.62	10GPM	219.0	DFB	3	0	0	0	0	0 N	NA	NA	
503	393	159966	7/11/2012	GW120711503			2"SP/LINE	2.91	9.83	10GPM	219.0	DFB	3	0	0	0	0	0 N	NA	NA	
503	395	160178	10/23/2012	GW121023503			2"SP/LINE	1.62	8.36	10GPM	224.0	DFB	3	0	0	0	0	0 N	NA	NA	
515	389	159556	1/23/2012	GW120123515			BP/LINE	1.96	41.31	3.4M/G	75.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS, FIELD BLANK TAKEN
515	391	159795	4/26/2012	GW120426515			BP/LINE	2.02	44.98	3.5M/G	75.0	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
515	393	159984	7/18/2012	GW120718515			BP/LINE	3.38	35.77	4.5M/G	74.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
515	395	160180	10/24/2012	GW121024515			BP/LINE	2.13	41.61	3.3M/G	75.0	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
520	389	159544	1/17/2012	GW120117520			BP/LINE	5.97	7.12	2M/G	9.0	DFB	3	0	0	0	0	0 N	NA	NA	
520	391	159793	4/25/2012	GW120424520			BP/LINE	5.79	6.74	2.1M/G	9.1	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
520	393	159954	7/9/2012	GW120709520			BP/LINE	7.13	8.40	2.4M/G	8.5	DFB	3	0	0	0	0	0 N	NA	NA	
520	395	160174	10/18/2012	GW121018520			BP/LINE	6.21	8.92	1.8M/G	8.9	DFB	3	0	0	0	0	0 N	NA	NA	
521	389	159545	1/17/2012	GW120117521			BP/LINE	4.32	5.30	2.1M/G	15.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
521	391	159794	4/25/2012	GW120425521			BP/LINE	4.23	5.40	2M/G	15.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
521	393	159955	7/9/2012	GW120709521			BP/LINE	6.76	7.38	1.9M/G	13.5	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
521	395	160175	10/18/2012	GW121018521			BP/LINE	5.58	5.91	1.3M/G	14.0	DFB	3	0	0	0	0	0 N	NA	NA	
535	389	159559	1/24/2012	GW120124535			2"SP/LINE	1.58	@PUMP	2GPM	22.0	DFB	3	0	0	0	0	0 Y	NA	NA	FIELD BLANK TAKEN
535	391	159787	4/24/2012	GW120424535			2"SP/LINE	2.11	@PUMP	2GPM	20.0	DFB	3	0	0	0	0	0 Y	NA	NA	FIELD BLANK TAKEN
535	393	159969	7/12/2012	GW120712535			2"SP/LINE	4.37	@PUMP	2GPM	22.0	DFB	3	0	0	0	0	0 Y	NA	NA	
535	395	160167	10/17/2012	GW121017535			2"SP/LINE	1.02	@PUMP	2GPM	22.0	DFB	3	0	0	0	0	0 Y	NA	NA	
543	389	159533	1/12/2012	GW120112543			PP/B	5.49	5.58	8.2M/G	3.7	DFB	3	0	0	0	0	0 N	NA	NA	
543	391	159751	4/9/2012	GW120409543			PP/B	6.18	6.21	7M/G	3.3	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
543	393	159957	7/10/2012	GW120710543			PP/B	7.52	7.58	6M/G	2.7	DFB	3	0	0	0	0	0 N	NA	NA	
543	395	160159	10/10/2012	GW121010543			PP/B	6.28	6.34	6.5M/G	3.3	DFB	3	0	0	0	0	0 N	NA	NA	
545	389	159539	1/16/2012	GW120116545			BP/LINE	7.78	7.36	1.7M/G	11.0	DFB	6	0	0	0	0	0 N	NA	NA	MS/MSD VOAS
545	391	159750	4/9/2012	GW120409545	NR120409313		BP/LINE	8.07	8.24	1.4M/G	10.4	DFB	6	0	0	0	0	0 N	NA	NA	QC DUPLICATE #313
545	393	159956	7/10/2012	GW120710545			BP/LINE	9.29	9.42	1.4M/G	10.0	DFB	3	0	0	0	0	0 N	NA	NA	
545	395	160158	10/10/2012	GW121010545	NR121010313		BP/LINE	8.11	8.26	2.1M/G	10.4	DFB	6	0	0	0	0	0 N	NA	NA	QC DUPLICATE #313
559	390	159689	3/19/2012	GW120319559			BP/LINE	27.79	@PUMP	2.0M/G	9.5	DFB	3	0	0	0	0	0 Y	NA	NA	
559	395	160111	9/26/2012	GW120926559			BP/LINE	32.78	@PUMP	2.1M/G	9.0	DFB	3	0	0	0	0	0 Y	NA	NA	ND/ND
561	390	159691	3/19/2012	GW120319561			B/B	27.19	35.52	NA	5.3	DFB	3	0	0	0	0	0 N	NA	NA	FIELD BLANK TAKEN
561	394	160100	9/19/2012	GW120919561			B/B	32.50	37.87	NA	1.5	DFB	3	0	0	0	0	0 Y	NA	NA	ND/ND
563	390	159690	3/19/2012	GW120319563			2"SP/LINE	36.44	@PUMP	2GPM	18.0	DFB	3	0	0	0	0	0 Y	NA	NA	
563	395	160101	9/19/2012	GW120919563			2"SP/LINE	38.61	@PUMP	2GPM	20.0	DFB	3	0	0	0	0	0 Y	NA	NA	
564	390	159688	3/19/2012	GW120319564			BP/LINE	26.74	@PUMP	2.6M/G	11.5	DFB	3	0	0	0	0	0 Y	NA	NA	
564	395	160110	9/26/2012	GW120916564			BP/LINE	34.76	@PUMP	3.5M/G	10.8	DFB	3	0	0	0	0	0 Y	NA	NA	
571	389	159538	1/16/2012	GW120116571			B/B		10.11	10.68	2.3	DFB	3	0	0	0	0	0 N	NA	NA	
571	391	159753	4/9/2012	GW120409571			B/B	9.68	9.88	NA	2.6	DFB	3	0	0	0	0	0 N	NA	NA	

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
571	393	159951	7/9/2012	GW120709571	NR120709313		B/B	11.13	11.84	NA	1.9	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #313
571	395	160165	10/16/2012	GW121016571			B/B	8.78	9.08	NA	3.0	DFB	3	0	0	0	0	0	N	NA	
572	393	159920	6/29/2012	GW120629572			PP/B	6.79	6.93	5.5M/G	4.7	DFB	3	0	0	0	0	0	N	NA	ND/2.4 RESAMPLE
574	393	159919	6/29/2012	GW120629574			PP/B	22.90	23.14	5.5M/G	4.7	DFB	3	0	0	0	0	0	N	NA	ND/1.4 RESAMPLE
576	390	159697	3/20/2012	GW120320576	NR120320315		B/B	15.57	17.42	NA	2.1	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #315
576	394	160096	9/17/2012	GW120917576			B/B	16.15	18.72	NA	1.8	DFB	3	0	0	0	0	0	N	NA	
577	390	159630	2/16/2012	GW120216577	NR120216313		2"SP/LINE	92.02	207.15	3GPM	63.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #313, FIELD BLANK TAKEN
577	394	160049	8/9/2012	GW120809577	NR120809313		2"SP/LINE	90.60	157.3	3GPM	64.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #313
578	389	159565	1/25/2012	GW120125578	NR120125318		2"SP/LINE	77.73	85.24	3GPM	59.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #318
578	394	160001	7/25/2012	GW120725578			2"SP/LINE	89.51	98.44	3GPM	53.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS, RESAMPLE
579	391	159705	3/22/2012	GW120322579			BP/LINE	91.42	91.48	2.6M/G	78.0	DFB	3	0	1	1	1	0	N	NA	
579	396	160281	12/12/2012	GW121212579			BP/LINE	107.86	109.78	4.1M/G	70.0	DFB	3	0	1	1	1	0	N	NA	
580	391	159714	3/27/2012	GW120327580			B/B	16.61	18.76	NA	0.8	DFB	3	0	1	1	1	0	N	NA	
581	390	159613	2/9/2012	GW120209581			B/B	14.19	14.41	NA	7.1	DFB	3	0	1	1	1	0	N	NA	
581	393	159990	7/23/2012	GW120723581			B/B	21.94	22.52	NA	3.3	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
600	390	159687	3/15/2012	GW120315600			B/B	17.85	18.61	NA	1.0	DFB	6	0	0	0	0	0	N	NA	
601	390	159692	3/19/2012	GW120319601			2"SP/LINE	43.11	51.30	2GPM	45.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
602	391	159711	3/26/2012	GW120326602			B/B	7.38	21.42	NA	7.3	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
603	390	159676	3/13/2012	GW120313603			B/B	8.21	24.06	NA	8.5	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
604	391	159710	3/26/2012	GW120326604	NR120326320		2"SP/LINE	76.63	94.12	1.5GPM	30.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #320
606	393	159909	6/19/2012	GW120619606			2"SP/LINE	138.91	144.78	1GPM	25.0	DFB	3	0	0	0	0	0	N	NA	
606	396	160294	12/17/2012	GW121217606			2"SP/LINE	148.96	153.92	1GPM	20.0	DFB	3	0	0	0	0	0	N	NA	
607	393	159917	6/26/2012	GW120626607			BP/LINE	90.59	91.48	3.7M/G	14.0	DFB	3	0	0	0	0	0	N	NA	ND/ND FIELD BLANK TAKEN; SAMPLE REJECTED, LAB ERROR
607	393	159918	6/29/2012	GW120629607			BP/LINE	90.77	91.51	3.9M/G	14.0	DFB	3	0	0	0	0	0	N	NA	ND/ND RESAMPLE, FIELD BLANK TAKEN
608	390	159685	3/15/2012	GW120315608			B/B	52.07	53.64	NA	5.0	DFB	3	0	0	0	0	0	N	NA	
609	392	159836	5/8/2012	GW120508609			2"SP/LINE	137.52	154.08	2GPM	47.0	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
609	396	160229	11/12/2012	GW121112609			2"SP/LINE	147.68	166.60	2GPM	42.0	DFB	3	0	0	0	0	0	N	NA	
610	390	159694	3/20/2012	GW120320610			BP/LINE	109.71	110.34	2M/G	34.0	DFB	3	0	0	0	0	0	N	NA	
610	395	160109	9/25/2012	GW120925610			BP/LINE	120.23	121.16	1.9M/G	29.0	DFB	3	0	0	0	0	0	N	NA	ND/ND FIELD BLANK TAKEN
611	392	159891	6/13/2012	GW120613611	NR120613314		2"SP/LINE	94.74	141.93	3GPM	58.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #314, FIELD BLANK TAKEN
611	396	160296	12/17/2012	GW121217611			2"SP/LINE	98.91	156.28	3GPM	56.0	DFB	3	0	0	0	0	0	N	NA	
612	389	159507	1/5/2012	GW120105612			SP/TAP	1.99	NA	0.9GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	389	159583	2/2/2012	GW120202612			SP/TAP	2.25	NA	1.0GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	390	159645	3/7/2012	GW120307612			SP/TAP	2.30	NA	1.0GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	391	159746	4/5/2012	GW120405612			SP/TAP	2.31	NA	0.9GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	392	159823	5/4/2012	GW120504612			SP/TAP	2.30	NA	0.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	392	159875	6/8/2012	GW120608612			SP/TAP	2.33	NA	0.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	393	159945	7/6/2012	GW120706612			SP/TAP	2.30	NA	0.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	394	160041	8/8/2012	GW120808612			SP/TAP	2.30	NA	0.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	394	160059	9/4/2012	GW120904612			SP/TAP	2.31	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	395	160140	10/3/2012	GW121003612			SP/TAP	2.30	NA	7.0GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	396	160224	11/8/2012	GW121108612			SP/TAP	2.31	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
612	396	160259	12/10/2012	GW121210612			SP/TAP	2.31	NA	0.6GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
613	388	159500	1/3/2012									DFB								NA	NO SAMPLE, OFF LINE
613	389	159511	1/5/2012									DFB								NA	NO SAMPLE, OFF LINE
613	389	159582	2/2/2012									DFB								NA	NO SAMPLE, OFF LINE
613	390	159646	3/7/2012									DFB								NA	NO SAMPLE, OFF LINE
613	390	159699	4/2/2012									DFB								NA	NO SAMPLE, OFF LINE
613	397	160330	5/31/2012									DFB								NA	NO SAMPLE, OFF LINE
613	392	159879	6/8/2012									DFB								NA	NO SAMPLE, OFF LINE
613	393	159949	7/6/2012									DFB								NA	NO SAMPLE, OFF LINE
613	394	160045	8/8/2012									DFB								NA	NO SAMPLE, OFF LINE
613	394	160060	9/4/2012									DFB								NA	NO SAMPLE, OFF LINE
613	397	160331	10/31/2012									DFB								NA	NO SAMPLE, OFF LINE
613	395	160200	11/5/2012									DFB								NA	NO SAMPLE, OFF LINE
613	397	160332	12/28/2012									DFB								NA	NO SAMPLE, OFF LINE
617	389	159508	1/5/2012	GW120105617			SP/TAP	7.57	NA	11.3GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	389	159584	2/2/2012	GW120202617			SP/TAP	14.55	NA	13.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	390	159647	3/7/2012	GW120307617	NR120307311		SP/TAP	7.02	NA	8.3GPM	0.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #311
617	391	159747	4/5/2012	GW120405617			SP/TAP	6.98	NA	7.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	392	159824	5/4/2012	GW120504617			SP/TAP	7.00	NA	7.3GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	392	159876	6/8/2012	GW120608617			SP/TAP	6.97	NA	6.9GPM	0.3	DFB	3	0	0	0	0	0	N	NA	

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
617	393	159946	7/6/2012	GW120706617			SP/TAP	6.99	NA	6.4GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
617	394	160042	8/8/2012	GW120808617			SP/TAP	6.99	NA	6.5GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
617	394	160061	9/4/2012	GW120904617			SP/TAP	7.00	NA	6.0GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
617	395	160141	10/3/2012	GW121003617			SP/TAP	7.00	NA	6.1GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
617	396	160225	11/8/2012	GW121108617			SP/TAP	6.99	NA	6.7GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
617	396	160260	12/10/2012	GW121210617			SP/TAP	7.00	NA	6.9GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	389	159509	1/5/2012	GW120105618			SP/TAP	3.02	NA	1.4GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	389	159585	2/2/2012	GW120202618			SP/TAP	2.96	NA	1.4GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	390	159648	3/7/2012	GW120307618			SP/TAP	3.02	NA	1.2GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	391	159748	4/5/2012	GW120405618			SP/TAP	3.00	NA	1.2GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	392	159825	5/4/2012	GW120504618			SP/TAP	3.02	NA	1.2GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	392	159877	6/8/2012	GW120608618			SP/TAP	3.00	NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	FLOW METER NOT WORKING
618	393	159947	7/6/2012	GW120706618			SP/TAP	3.02	NA	1.2GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	394	160043	8/8/2012	GW120808618			SP/TAP	3.02	NA	1.0GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	394	160062	9/4/2012	GW120904618			SP/TAP	3.00	NA	1.0GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	395	160142	10/3/2012	GW121003618			SP/TAP	3.00	NA	1.5GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	396	160226	11/8/2012	GW121108618			SP/TAP	3.00	NA	1.2GPM	0.3	DFB	3	0	0	0	0	0 N		NA	
618	396	160261	12/10/2012	GW121210618	NR121210311		SP/TAP	2.95	NA	0.9GPM	0.3	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #311
622	392	159832	5/7/2012	GW120507622			2"SP/LINE	61.05	191.71	2GPM	75.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
622	396	160235	11/14/2012	GW121114622			2"SP/LINE	61.90	@PUMP	2GPM	52.0	DFB	3	0	0	0	0	0 Y		NA	FIELD BLANK TAKEN
623	392	159884	6/11/2012	GW120611623			2"SP/LINE	118.26	122.23	3GPM	105.0	DFB	3	0	0	0	0	0 N		NA	ND/ND
623	396	160282	12/12/2012	GW121212623			2"SP/LINE	122.31	127.12	3GPM	104.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
624	392	159883	6/11/2012	GW120611624			2"SP/LINE	102.78	159.73	3GPM	125.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
624	396	160228	11/12/2012	GW121112624			2"SP/LINE	109.84	168.64	3GPM	122.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
627	390	159614	2/13/2012	GW120213627			PP/B	16.44	17.61	8.5M/G	1.1	DFB	3	0	1	1	1	0 N		NA	
628	388	159496	1/3/2012	GW120103628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
628	389	159579	2/2/2012	GW120202628	NR120202311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #311
628	390	159636	3/6/2012	GW120306628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	391	159724	4/2/2012	GW120402628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	392	159801	5/1/2012	GW120501628	NR120501311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #311
628	392	159863	6/5/2012	GW120605628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	393	159927	7/2/2012	GW120702628	NR120702311		SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #311
628	394	160024	8/6/2012	GW120806628		NR120806311	SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #311, FIELD BLANK TAKEN
628	394	160055	9/4/2012	GW120904628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	395	160124	10/1/2012	GW121001628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	396	160201	11/5/2012	GW121105628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628	396	160251	12/5/2012	GW121205628			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	388	159497	1/3/2012	GW120103628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	389	159580	2/2/2012	GW120202628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	390	159637	3/6/2012	GW120306628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	391	159725	4/2/2012	GW120402628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	392	159802	5/1/2012	GW120501628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	392	159864	6/5/2012	GW120605628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	393	159928	7/2/2012	GW120702628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	394	160025	8/6/2012	GW120806628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	394	160056	9/4/2012	GW120904628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	395	160125	10/1/2012	GW121001628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	396	160202	11/5/2012	GW121105628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628A	396	160252	12/5/2012	GW121205628A			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	388	159498	1/3/2012	GW120103628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	389	159581	2/2/2012	GW120202628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	390	159638	3/6/2012	GW120306628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	391	159726	4/2/2012	GW120402628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	392	159803	5/1/2012	GW120501628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	392	159865	6/5/2012	GW120605628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	393	159929	7/2/2012	GW120702628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	394	160026	8/6/2012	GW120806628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	394	160057	9/4/2012	GW120904628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	395	160126	10/1/2012	GW121001628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	396	160203	11/5/2012	GW121105628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
628B	396	160253	12/5/2012	GW121205628B			TANK/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0 N		NA	
638	389	159554	1/19/2012	GW120119638			B/B	17.83	23.49	NA	1.7	DFB	3	0	0	0	0	0 Y		NA	FIELD BLANK TAKEN

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
638	391	159757	4/10/2012	GW120410638			B/B	18.56	23.35	NA	2.5	DFB	3	0	0	0	0	0 Y		NA	
638	393	159963	7/11/2012	GW120711638			B/B	18.48	22.96	NA	1.6	DFB	3	0	0	0	0	0 Y		NA	
638	395	160161	10/16/2012	GW121016638			B/B	17.78	23.44	NA	1.7	DFB	3	0	0	0	0	0 Y		NA	
639	389	159553	1/19/2012									DFB									NO SAMPLE, DRY WELL
639	391	159756	4/10/2012									DFB									NO SAMPLE, DRY WELL
639	393	159962	7/11/2012									DFB									NO SAMPLE, DRY WELL
639	395	160162	10/16/2012									DFB									NO SAMPLE, DRY WELL
640	389	159552	1/19/2012	GW120119640			B/B	12.67	20.24	NA	1.7	DFB	3	0	0	0	0	0 Y		ND/ND	
640	391	159755	4/10/2012	GW120410640			B/B	13.42	20.48	NA	1.6	DFB	3	0	0	0	0	0 Y		ND/ND	
640	393	159961	7/11/2012	GW120711640			B/B	13.12	19.95	NA	1.8	DFB	3	0	0	0	0	0 Y		ND/ND	
640	395	160160	10/16/2012	GW121016640			B/B	12.37	20.01	NA	1.8	DFB	3	0	0	0	0	0 Y		ND/ND	
701	389	159569	1/31/2012	GW120131701			B/B	10.21	10.63	NA	4.7	DFB	3	0	1	1	1	0 N		NA	
701	394	160002	7/25/2012	GW120725701			B/B	11.09	11.37	NA	4.3	DFB	3	0	1	1	1	0 N		NA	
702	389	159570	1/31/2012	GW120131702		NR120131314	B/B	9.84	15.24	NA	3.8	DFB	6	0	2	2	2	0 N		NA	QC DUPLICATE #314
702	393	159993	7/23/2012	GW120723702		NR120723314	B/B	10.28	17.02	NA	2.0	DFB	6	0	2	2	2	0 Y		NA	QC DUPLICATE #314
704	389	159566	1/30/2012	GW120130704			2"SP/LINE	55.44	85.58	6GPM	1312.0	DFB	6	0	0	0	0	0 N		NA	MS/MSD VOAS, FIELD BLANK TAKEN
704	394	160004	7/27/2012	GW120727704			2"SP/LINE	60.48	91.47	6GPM	1289.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
706	390	159625	2/15/2012	GW120215706			BP/LINE	22.76	25.96	1.7M/G	11.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
706	394	160013	7/31/2012	GW120731706			BP/LINE	24.17	28.34	2.6M/G	10.2	DFB	3	0	1	1	1	0 N		NA	ND/ND
711	391	159717	3/29/2012	GW120329711	NR120329317		2"SP/LINE	23.02	58.21	6GPM	1468.0	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #317
711	394	160046	8/9/2012	GW120809711			SP/TAP	25.84	74.69	6GPM	1456.0	DFB	6	0	0	0	0	0 N		NA	MS/MSD VOAS
714	390	159611	2/9/2012	GW120209714			B/B	28.55	33.51	NA	4.2	DFB	3	0	1	1	1	0 Y		ND/ND	
714	394	160010	7/30/2012	GW120730714			B/B	34.11	37.18	NA	0.6	DFB	3	0	1	1	1	0 Y		ND/ND	
716	392	159834	5/8/2012	GW120508716			BP/LINE	87.49	88.60	2.1M/G	163.0	DFB	3	0	0	0	0	0 N		NA	ND/ND
716	394	160098	9/19/2012	GW120919716			BP/LINE	97.20	99.11	2.1M/G	144.0	DFB	3	0	0	0	0	0 N		NA	ND/ND
720	392	159845	5/14/2012	GW120514720			2"SP/LINE	28.37	28.80	1GPM	9.5	DFB	3	0	1	1	1	0 N		NA	
720	395	160116	9/27/2012	GW120927720			2"SP/LINE	29.86	32.11	1GPM	9.0	DFB	3	0	1	1	1	0 N		NA	
722	392	159835	5/8/2012	GW120508722			2"SP/LINE	15.71	27.79	8.5GPM	1507.0	DFB	6	0	0	0	0	0 N		NA	MS/MSD VOAS
722	394	160091	9/14/2012	GW120914722	NR120914318		2"SP/LINE	21.02	31.67	6GPM	1483.0	DFB	6	0	0	0	0	0 N		NA	QC DUPLICATE #318
732	392	159843	5/11/2012	GW120511732			2"SP/LINE	111.35	115.86	3GPM	266.0	DFB	3	0	0	0	0	0 N		NA	
732	396	160284	12/12/2012	GW121212732			2"SP/LINE	127.31	131.09	3GPM	235.0	DFB	3	0	0	0	0	0 N		NA	
734	392	159833	5/7/2012	GW120507734			2"SP/LINE	113.31	116.78	1GPM	51.0	DFB	3	0	0	0	0	0 N		NA	
734	396	160283	12/12/2012	GW121212734			2"SP/LINE	133.99	149.72	2GPM	41.0	DFB	3	0	0	0	0	0 N		NA	
735	390	159610	2/9/2012	GW120209735			B/B	17.41	24.84	NA	1.8	DFB	3	0	1	1	1	0 Y		ND/ND	
735	394	160007	7/30/2012	GW120730735			B/B	18.62	25.04	NA	1.4	DFB	3	0	1	1	1	0 Y		ND/ND	
737	392	159839	5/9/2012	GW120509737			BP/LINE	109.36	110.85	2.9M/G	40.0	DFB	3	0	0	0	0	0 N		NA	
737	396	160237	11/15/2012	GW121115737			BP/LINE	125.47	127.02	2.9M/G	32.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
739	393	159911	6/20/2012	GW120620739			2"SP#3/B	116.24	119.87	3GPM	191.0	DFB	3	0	0	0	0	0 N		NA	
739	396	160295	12/17/2012	GW121217739			2"SP/LINE	127.04	132.09	3GPM	170.0	DFB	3	0	0	0	0	0 N		NA	FIELD BLANK TAKEN
740	390	159620	2/14/2012	GW120214740			PP/B	20.96	21.30	7M/G	2.1	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
742	392	159852	5/17/2012	GW120517742	NR120517315		2"SP/LINE	114.16	121.02	3GPM	210.0	DFB	6	0	2	2	2	0 N		NA	QC DUPLICATE #315, FIELD BLANK TAKEN
742	396	160286	12/13/2012	GW121213742			2"SP/LINE	127.76	136.52	4GPM	183.0	DFB	3	0	1	1	1	0 N		NA	
743	391	159713	3/27/2012	GW120327743			PP/B	14.70	18.36	7M/G	2.3	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN
744	389	159550	1/18/2012	GW120118744			BP/LINE	7.01	7.16	2.2M/G	10.4	DFB	3	0	1	1	1	0 N		NA	
744	391	159782	4/19/2012	GW120419744	NR120419314		BP/LINE	7.98	8.03	2.8M/G	10.0	DFB	6	0	2	2	2	0 N		NA	QC DUPLICATE #314
744	393	159979	7/16/2012	GW120716744	NR120716314		BP/LINE	8.95	9.04	2.3M/G	9.5	DFB	6	0	2	2	2	0 N		NA	QC DUPLICATE #314
744	395	160193	11/1/2012	GW121101744			BP/LINE	7.66	7.84	2.5GPM	10.1	DFB	6	0	1	1	1	0 N		NA	MS/MSD VOAS
745	389	159551	1/19/2012	GW120119745			PP/B	7.13	DRY	7M/G	3.3	DFB	3	0	1	1	1	0 Y		NA	
745	391	159781	4/19/2012	GW120419745			PP/B	7.75	DRY	8.4M/G	3.0	DFB	3	0	1	1	1	0 Y		NA	FIELD BLANK TAKEN
745	393	159976	7/16/2012	GW120716745			PP/B	8.07	DRY	7M/G	2.5	DFB	3	0	1	1	1	0 Y		NA	
745	395	160171	10/18/2012	GW121018745			PP/B	7.38	DRY	6.5M/G	2.9	DFB	3	0	1	1	1	0 Y		NA	
751	391	159774	4/17/2012	GW120417751			PP/B	13.11	DRY	NA	0.2	DFB	3	0	0	0	0	1 Y		NA	EPA 625, MOF SAMPLING, NETS HYDRO
751	392	159850	5/16/2012	GW120516751			PP/B	12.84	DRY	NA	0.5	DFB	3	0	1	1	1	0 Y		NA	
751	395	160189	10/31/2012	GW121031751			PP/B	12.65	DRY	8M/G	1.0	DFB	3	0	1	1	1	0 Y		NA	
753	391	159773	4/17/2012	GW120417753			PP/B	12.22	DRY	NA	0.6	DFB						Y		NA	NO SAMPLE, WELL DID NOT RECOVER
753	391	159786	4/24/2012	GW120424753			PP/B	11.92	DRY	NA	0.8	DFB	3	0	0	0	0	1 Y		NA	EPA 625, MOF SAMPLING
753	392	159849	5/16/2012	GW120516753			PP/B	11.87	DRY	NA	0.8	DFB	3	0	1	1	1	0 Y		NA	
753	395	160188	10/31/2012	GW121031753			PP/B	10.51	DRY	4.8M/G	2.7	DFB	3	0	1	1	1	0 Y		NA	
754	391	159776	4/17/2012	GW120417754			PP/B	13.46	13.96	6.5M/G	18.0	DFB	6	0	1	1	1	1 N		NA	EPA 625, MOF AND PART 373 SAMPLING, FIELD BLANK
755	389	159546	1/18/2012	GW120118755			BP/LINE	10.26	18.21	2.1M/G	25.0	DFB	3	0	1	1	1	0 N		NA	
755	391	159778	4/18/2012	GW120418755			BP/LINE	13.29	18.85	2.1M/G	19.0	DFB	6	0	1	1	1	1 N		NA	EPA 625, MOF AND PART 373, FIELD BLANK TAKEN
755	393	159978	7/16/2012	GW120716755			BP/LINE	13.96	19.43	2.6M/G	18.0	DFB	3	0	1	1	1	0 N		NA	FIELD BLANK TAKEN

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
755	395	160169	10/17/2012	GW121017755			BP/LINE	12.42	18.48	2M/G	21.0	DFB	3	0	1	1	1	0	N	NA	
756	391	159777	4/18/2012	GW120418756			PP/B	17.50	DRY	4.7M/G	3.4	DFB	3	0	0	0	0	0	Y	NA	VOAS ONLY, MOF SAMPLING, NETS HYDROLAB
756	392	159851	5/16/2012				PP/B	17.48	DRY	5.5M/G	2.6	DFB							Y	NA	NO SAMPLE, WELL DID NOT RECOVER
756	393	159912	6/21/2012				PP/B	18.40	DRY	6.5M/G	1.8	DFB							Y	NA	NO SAMPLE, NO RECOVERY
756	395	160181	10/24/2012	GW121024756			B/B	18.11	DRY	4.8M/G	1.8	DFB	3	0	0	0	0	0	Y	NA	
757	389	159548	1/18/2012	GW120118757			B/B	8.42	9.09	NA	5.7	DFB	3	0	0	0	0	0	N	ND/ND	FIELD BLANK TAKEN
757	391	159758	4/10/2012	GW120410757			B/B	10.48	10.64	NA	4.7	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
757	393	159953	7/9/2012	GW120709757			B/B	10.73	10.91	NA	4.6	DFB	3	0	0	0	0	0	N	NA	
757	395	160163	10/16/2012	GW121016757			B/B	10.75	10.97	NA	4.6	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
761	389	159572	1/31/2012	GW120131761			B/B	12.44	25.47	NA	9.7	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
761	393	159991	7/23/2012	GW120723761		NR120723316	B/B	18.54	27.28	NA	6.7	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #316
763	389	159573	1/31/2012	GW120131763			B/B	26.60	48.21	NA	7.5	DFB	3	0	1	1	1	0	Y	NA	
763	394	160003	7/25/2012	GW120725763			B/B	34.75	48.95	NA	3.5	DFB	3	0	1	1	1	0	Y	NA	
766	390	159616	2/13/2012	GW120213766		NR120213317	B/B	20.17	20.34	NA	2.6	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #317
766	394	160009	7/30/2012	GW120730766			B/B	21.22	21.86	NA	2.1	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
767	390	159677	3/14/2012	GW120314767			PP/B	13.83	14.06	6.2M/G	2.4	DFB	3	0	1	1	1	0	N	ND/ND	
767	395	160190	10/31/2012	GW121031767			PP/B	14.74	14.92	7.3M/G	1.9	DFB	3	0	1	1	1	0	N	ND/ND	
768	390	159678	3/14/2012	GW120314768			PP/B	15.50	15.62	7.5M/G	3.6	DFB	3	0	1	1	1	0	N	ND/ND	
768	395	160187	10/31/2012	GW121031768			PP/B	16.51	16.72	7M/G	3.1	DFB	3	0	1	1	1	0	N	ND/ND	FIELD BLANK TAKEN
769	390	159621	2/14/2012	GW120214769		NR120214318	B/B	19.53	21.20	NA	3.5	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #318
769	394	160012	7/31/2012	GW120731769		NR120731317	B/B	20.79	23.64	NA	2.9	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #317
771	390	159679	3/14/2012	GW120314771			B/B	15.24	18.31	NA	1.9	DFB	3	0	1	1	1	0	N	NA	
772	389	159562	1/24/2012	GW120124772			BP/LINE	9.71	10.34	1.6M/G	4.5	DFB	3	0	1	1	1	0	N	NA	
772	391	159798	4/26/2012	GW120426772			BP/LINE	10.85	11.39	2M/G	4.0	DFB	3	0	1	1	1	0	N	NA	
772	393	159980	7/17/2012	GW120717772			BP/LINE	10.82	11.36	2.2M/G	4.0	DFB	3	0	1	1	1	0	N	NA	
772	395	160173	10/18/2012	GW121018772			BP/LINE	11.18	11.78	1.4M/G	3.7	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
773	389	159549	1/18/2012	GW120118773			BP/LINE	15.79	16.96	2M/G	6.3	DFB	3	0	1	1	1	0	N	NA	
773	391	159788	4/24/2012	GW120424773			BP/LINE	16.78	18.67	1.5M/G	5.8	DFB	3	0	1	1	1	0	N	NA	
773	393	159981	7/17/2012	GW120717773			BP/LINE	17.14	18.35	2.1M/G	5.6	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
773	395	160172	10/18/2012	GW121018773		NR121018315	BP/LINE	17.21	18.59	1.6M/G	5.6	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #315
774	389	159555	1/19/2012	GW120119774		NR120119314	BP/LINE	14.44	22.73	1.8M/G	7.5	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #314
774	391	159789	4/24/2012	GW120424774			BP/LINE	14.82	23.31	1.5M/G	7.3	DFB	3	0	1	1	1	0	N	NA	
774	393	159977	7/16/2012	GW120716774		NR120716315	BP/LINE	15.06	23.51	1.9M/G	7.2	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #315
774	396	160236	11/15/2012	GW121115774		NR121115312	BP/LINE	15.00	23.31	1.9M/G	7.2	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #312
775	390	159626	2/15/2012	GW120215775			BP/LINE	15.81	16.56	1.8M/G	7.0	DFB	6	0	1	1	1	0	N	NA	MS/MSD VOAS
777	390	159684	3/15/2012	GW120315777			2"SP/LINE	22.51	28.01	3GPM	52.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
777	393	160000	7/25/2012	GW120725777			2"SP/LINE	31.41	35.39	3GPM	48.0	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
779	390	159627	2/16/2012	GW120216779			BP/LINE	108.58	109.31	3.1M/G	60.0	DFB	3	0	0	0	0	0	N	NA	
779	394	160047	8/9/2012	GW120809779			BP/LINE	115.11	115.97	3.2M/G	57.0	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
789	390	159617	2/13/2012	GW120213789		NR120213320	B/B	11.61	16.78	NA	4.7	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #320
791	390	159622	2/14/2012	GW120214791			B/B	14.46	15.49	NA	3.9	DFB	3	0	1	1	1	0	N	NA	
792	393	159913	6/21/2012	GW120621792			B/B	13.74	20.07	NA	3.4	DFB	3	0	1	1	1	0	N	NA	FIELD BLANK TAKEN
793	390	159615	2/13/2012	GW120213793			B/B	20.63	28.84	NA	3.5	DFB	3	0	1	1	1	0	Y	NA	FIELD BLANK TAKEN
793	395	160113	9/26/2012	GW120926793		NR120926319	B/B	21.08	28.88	NA	3.1	DFB	6	0	2	2	2	0	Y	NA	QC DUPLICATE #319
832	389	159532	1/12/2012	GW120112832			PP/B	19.16	9.44	7.5M/G	5.4	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
832	391	159752	4/9/2012	GW120409832			PP/B	20.98	21.21	8M/G	4.5	DFB	3	0	0	0	0	0	N	NA	
832	393	159950	7/9/2012	GW120709832			PP/B	24.18	24.59	8.5M/G	3.0	DFB	3	0	0	0	0	0	N	NA	FIELD BLANK TAKEN
832	395	160164	10/16/2012	GW121016832			PP/B	21.33	21.72	8M/G	4.4	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
857	389	159525	1/10/2012	GW120110857			2"SP/LINE	-2.00	98.74	2GPM	78.0	DFB	3	0	0	0	0	0	Y	NA	
857	391	159784	4/23/2012	GW120423857			2"SP/LINE	-2.00	96.31	2GPM	74.0	DFB	3	0	0	0	0	0	Y	NA	
857	393	159983	7/17/2012	GW120717857			2"SP/LINE	0.92	99.74	2GPM	80.0	DFB	3	0	0	0	0	0	Y	NA	
857	395	160179	10/23/2012	GW121023857			2"SP/LINE	-2.00	97.67	2GPM	89.0	DFB	3	0	0	0	0	0	Y	NA	
858	389	159524	1/10/2012	GW120110858			2"SP/LINE	-2.00	149.59	2GPM	152.0	DFB	3	0	0	0	0	0	Y	NA	FIELD BLANK TAKEN
858	391	159783	4/23/2012	GW120423858			2"SP/LINE	-2.00	147.28	2GPM	206.0	DFB	3	0	0	0	0	0	Y	NA	FIELD BLANK TAKEN
858	393	159985	7/18/2012	GW120718858			2"SP/LINE	3.15	149.72	2GPM	184.0	DFB	3	0	0	0	0	0	Y	NA	FIELD BLANK TAKEN
858	395	160182	10/24/2012	GW121024858			2"SP/LINE	-2.00	148.21	2GPM	186.0	DFB	3	0	0	0	0	0	Y	NA	
859	389	159564	1/25/2012	GW120125859			2"SP/LINE	6.56	92.37	2GPM	72.0	DFB	6	0	0	0	0	0	Y	NA	MS/MSD VOAS
859	391	159797	4/26/2012	GW120426859			2"SP/LINE	6.71	94.02	2GPM	70.0	DFB	3	0	0	0	0	0	Y	NA	
859	394	160082	9/11/2012	GW120911859			2"SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0	0	Y	NA	
859	395	160184	10/25/2012	GW121025859			2"SP/LINE	6.61	91.74	2GPM	70.0	DFB	3	0	0	0	0	0	Y	NA	
860	389	159563	1/25/2012	GW120125860			2"SP/LINE	6.81	147.98	2GPM	130.0	DFB	3	0	0	0	0	0	Y	NA	FIELD BLANK TAKEN
860	391	159796	4/26/2012	GW120426860			2"SP/LINE	6.87	144.61	2GPM	122.0	DFB	3	0	0	0	0	0	Y	NA	

Sampling Field Log Database

	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
860	394	160081	9/11/2012	GW120911860			2"SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN
860	395	160183	10/25/2012	GW121025860			2"SP/LINE	6.91	146.25	2GPM	285.0	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN
861	389	159560	1/24/2012	GW120124861			2"SP/LINE	10.81	@PUMP	2GPM	20.0	DFB	3	0	0	0	0		0 Y	NA	
861	391	159791	4/25/2012	GW120425861			2"SP/LINE	13.29	@PUMP	2GPM	18.0	DFB	3	0	0	0	0		0 Y	NA	
861	393	159998	7/25/2012	GW120725777			2"SP/LINE	17.88	@PUMP	2GPM	18.0	DFB	3	0	0	0	0		0 Y	NA	
861	395	160192	11/1/2012	GW121101861			2"SP/LINE	13.94	@PUMP	2GPM	24.0	DFB	3	0	0	0	0		0 Y	NA	
861	396	160242	11/20/2012	GW121120861			2"SP/LINE	14.94	@PUMP	2GPM	20.0	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN, RESAMPLE
862	389	159561	1/24/2012	GW120124862			2"SP/LINE	11.98	@PUMP	2GPM	30.0	DFB	3	0	0	0	0		0 Y	NA	
862	391	159792	4/25/2012	GW120425862			2"SP/LINE	13.98	@PUMP	2GPM	26.0	DFB	3	0	0	0	0		0 Y	NA	
862	393	159999	7/25/2012	GW120725862			2"SP/LINE	17.84	@PUMP	2GPM	24.0	DFB	3	0	0	0	0		0 Y	NA	
862	395	160191	11/1/2012	GW121101862			2"SP/LINE	14.68	@PUMP	2GPM	38.0	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN
862	396	160243	11/20/2012	GW121120862			2"SP/LINE	15.25	@PUMP	2GPM	24.0	DFB							Y	NA	NO SAMPLE, PUMP FELL IN WELL, COULD NOT RETRIEVE
862	396	160244	11/26/2012	GW121126862			2"SP/LINE	15.47	@PUMP	2GPM	22.0	DFB	3	0	0	0	0		0 Y	NA	RESAMPLE
921	392	159890	6/12/2012	GW120612921			BP/LINE	15.61	25.52	1.6M/G	138.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
921	396	160285	12/13/2012	GW121213921			BP/LINE	19.77	31.64	1.5M/G	130.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
922	392	159841	5/10/2012	GW120510922			2"SP/LINE	27.49	110.42	2GPM	86.0	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN
922	396	160240	11/19/2012	GW121119922			2"SP/LINE	38.47	110.90	2GPM	68.0	DFB	3	0	0	0	0		0 Y	NA	
923	392	159840	5/10/2012	GW120510923			BP/LINE	46.50	63.82	4.1M/G	55.0	DFB	3	0	0	0	0		0 N	ND/ND	
923	396	160245	11/26/2012	GW121126923			BP/LINE	45.34	67.44	3.5M/G	55.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
929	391	159718	3/29/2012	GW120329929			BP/LINE	87.53	88.04	3M/G	31.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
929	395	160112	9/26/2012	GW120926929			BP/LINE	96.34	96.68	2.3M/G	27.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
931	391	159709	3/26/2012	GW120326931			2"SP/LINE	77.41	80.78	3GPM	145.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
931	396	160230	11/12/2012	GW121112931	NR121112315		2"SP/LINE	86.13	90.76	5GPM	127.0	DFB	6	0	0	0	0		0 N	ND/ND	QC DUPLICATE #315
932	392	159842	5/11/2012	GW120511932			2"SP/LINE	16.02	128.04	2GPM	306.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
932	396	160231	11/13/2012	GW121113932			2"SP/LINE	18.08	145.28	2GPM	302.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
941	392	159838	5/9/2012	GW120509941			BP/LINE	101.23	101.96	1.9M/G	64.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
941	395	160102	9/24/2012	GW120924941			BP/LINE	108.15	108.74	2M/G	51.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
943	391	159708	3/26/2012	GW120326943			2"SP/LINE	10.00	35.81	6GPM	261.0	DFB	3	0	0	0	0		0 N	NA	
943	394	160087	9/13/2012	GW120913943			2"SP/LINE	13.61	33.81	5GPM	254.0	DFB	3	0	0	0	0		0 N	NA	
944	390	159657	3/9/2012	GW120309944	NR120309316		2"SP/LINE	3.70	53.20	3GPM	133.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #316, FIELD BLANK TAKEN
944	394	160083	9/11/2012	GW120911944			2"SP/TAP		NA	NA	0.3	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
952	392	159848	5/16/2012	GW120516952	NR120516316		BP/LINE	90.32	93.96	2.2M/G	210.0	DFB	6	0	2	2	2		0 N	ND/ND	QC DUPLICATE #316, FIELD BLANK TAKEN
952	396	160258	12/10/2012	GW121210952	NR121210315		BP/LINE	100.11	102.38	2.5M/G	191.0	DFB	6	0	2	2	2		0 N	NA	QC DUPLICATE #315, FIELD BLANK TAKEN
953	392	159844	5/14/2012	GW120514953			BP/LINE	106.88	108.24	2.5M/G	90.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
953	396	160239	11/19/2012	GW121119953			BP/LINE	108.14	109.70	2.5M/G	88.0	DFB	3	0	0	0	0		0 N	ND/ND	FIELD BLANK TAKEN
954	391	159716	3/28/2012	GW120328954			2"SP/LINE	37.29	142.09	2GPM	96.0	DFB	3	0	0	0	0		0 Y	ND/ND	FIELD BLANK TAKEN
954	394	160094	9/17/2012	GW120917954			2"SP/LINE	40.18	145.94	2GPM	94.0	DFB	3	0	0	0	0		0 Y	ND/ND	FIELD BLANK TAKEN
956	391	159715	3/28/2012	GW120328956			2"SP/LINE	25.68	99.02	2GPM	68.0	DFB	3	0	0	0	0		0 Y	ND/ND	
956	394	160095	9/17/2012	GW120917956			2"SP/LINE	34.24	101.76	2GPM	54.0	DFB	3	0	0	0	0		0 Y	ND/ND	
958	389	159558	1/23/2012	GW120123958			2"SP/LINE	1.33	88.56	2GPM	82.0	DFB	3	0	0	0	0		0 Y	NA	
958	391	159790	4/25/2012	GW120424958			2"SP/LINE	2.12	88.51	2GPM	76.0	DFB	3	0	0	0	0		0 Y	NA	
958	393	159974	7/13/2012	GW120713958			2"SP/LINE	4.54	89.10	2GPM	72.0	DFB	3	0	0	0	0		0 Y	NA	
958	395	160176	10/23/2012	GW121023958			2"SP/LINE	2.85	88.30	2GPM	78.0	DFB	3	0	0	0	0		0 Y	NA	FIELD BLANK TAKEN
959	392	159847	5/15/2012	GW120515959			BP/LINE	91.81	122.91	2.6M/G	128.0	DFB	3	0	1	1	1		0 N	ND/ND	
959	396	160271	12/11/2012	GW121211959			BP/LINE	100.55	129.78	3M/G	111.0	DFB	3	0	1	1	1		0 N	ND/ND	FIELD BLANK TAKEN
960	392	159846	5/15/2012	GW120515960			BP/LINE	41.70	60.44	2.2M/G	95.0	DFB	3	0	1	1	1		0 N	ND/ND	FIELD BLANK TAKEN
960	396	160280	12/12/2012	GW121212960			BP/LINE	46.61	72.78	1.6M/G	86.0	DFB	3	0	1	1	1		0 N	ND/ND	
963	389	159530	1/11/2012	GW120111963			2"SP/LINE	5.09	95.68	3GPM	77.0	DFB	3	0	0	0	0		0 N	NA	
963	391	159765	4/12/2012	GW120412963	NR120412315		2"SP/LINE	6.03	80.91	2GPM	76.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #315
963	393	159972	7/12/2012	GW120712963	NR120712316		2"SP/LINE	7.05	72.21	3GPM	76.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #316
963	395	160153	10/9/2012	GW121009963			2"SP/LINE	5.67	86.52	3GPM	77.0	DFB	3	0	0	0	0		0 N	NA	
964	389	159531	1/11/2012	GW120111964	NR120111316		2"SP/LINE	5.22	22.89	2GPM	43.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #316
964	391	159766	4/12/2012	GW120412964			2"SP/LINE	6.01	18.48	2GPM	43.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
964	393	159975	7/13/2012	GW120713964			2"SP/LINE	7.17	21.64	2GPM	42.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
964	395	160154	10/9/2012	GW121009964	NR121009316		2"SP/LINE	5.88	22.38	3GPM	43.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #316
965	392	159837	5/8/2012	GW120508965			2"SP/LINE	47.49	47.99	4GPM	190.0	DFB	3	0	0	0	0		0 N	NA	
965	396	160232	11/13/2012	GW121113965			2"SP/LINE	47.98	48.55	6GPM	189.0	DFB	3	0	0	0	0		0 N	NA	
966	391	159702	3/21/2012	GW120321966			2"SP/LINE	44.51	57.69	5GPM	159.0	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
966	394	160097	9/17/2012	GW120917966	NR120917316		2"SP/LINE	50.83	84.28	6GPM	147.0	DFB	6	0	0	0	0		0 N	NA	QC DUPLICATE #316
987	389	159526	1/10/2012	GW120110987	NR120110317		2"SP/LINE	2.97	3.												

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
987	395	160155	10/10/2012	GW121010987			2"SP/LINE	3.80	4.03	3GPM		DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
990	389	159529	1/11/2012	GW120111990			2"SP/LINE	3.43	4.70	2GPM	34.0	DFB	6	0	0	0	0		0 N	NA	MS/MSD VOAS
990	391	159761	4/11/2012	GW120411990			2"SP/LINE	3.12	5.82	2GPM	34.0	DFB	3	0	0	0	0		0 N	NA	
990	393	159965	7/11/2012	GW120711990			2"SP/LINE	5.19	6.80	2GPM	30.0	DFB	3	0	0	0	0		0 N	NA	
990	395	160156	10/10/2012	GW121010990			2"SP/LINE	4.01	5.11	2GPM	33.0	DFB	3	0	0	0	0		0 N	NA	FIELD BLANK TAKEN
998	389	159571	1/31/2012	GW120131998			B/B	9.27	19.71	NA	6.0	DFB	3	0	1	1	1		0 N	NA	
998	393	159992	7/23/2012	GW120723998			B/B	13.08	20.96	NA	2.4	DFB	3	0	1	1	1		0 Y	NA	
999	389	159568	1/30/2012	GW120130999			BP/LINE	14.08	14.96	1.7M/G	19.0	DFB	3	0	1	1	1		0 N	NA	
999	394	160006	7/27/2012	GW120727999		NR120727318	BP/LINE	17.09	17.78	1.6M/G	17.0	DFB	6	0	2	2	2		0 N	NA	QC DUPLICATE #318
NR360	389	159510	1/5/2012	NR120105360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	389	159586	2/2/2012	NR120202360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	390	159649	3/7/2012	NR120307360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	391	159749	4/5/2012	NR120405360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	392	159826	5/4/2012	NR120504360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	392	159878	6/8/2012	NR120608360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	393	159948	7/6/2012	NR120706360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	394	160044	8/8/2012	NR120808360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	394	160063	9/4/2012	NR120904360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	395	160143	10/3/2012	NR121003360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	396	160227	11/8/2012	NR121108360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618
NR360	396	160262	12/10/2012	NR121210360			SP/TAP		NA	NA	0.3	DFB	3	0	0	0	0		0 N	NA	COMPOSITE OF 612, 617, AND 618

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
007	312	1/30/2012	12.8	6.8	5540	10.5	QC DUPLICATE #312
007	312	7/27/2012	17.1	6.7	4960	6.40	QC DUPLICATE #312
010		2/9/2012	13.1	6.9	4050	582	
010		7/31/2012	16.2	7.2	2840	524	
015		6/20/2012	18.8	6.5	3240	579	
015		10/30/2012	17.5	6.9	1990	52.2	
016		3/20/2012	16.9	6.7	2130	1.30	
016		9/24/2012	16.3	7.0	2000	1.20	
032A	311	1/5/2012	14.9	7.2	1720	1.32	QC DUPLICATE #311
032A		2/2/2012	13.7	6.8	1840	0.29	
032A		3/6/2012	12.7	6.8	1850	1.02	
032A		4/2/2012	13.9	6.9	1850	2.96	
032A		5/1/2012	13.8	6.9	1790	0.75	
032A		6/8/2012	16.5	6.8	1810	0.90	
032A		7/2/2012	19.1	6.9	1660	0.91	
032A		8/6/2012	22.1	7.3	1449	1.20	
032A		9/4/2012	21.5	7.1	1392	1.71	
032B		9/14/2012	20.6	6.3	1351	8.26	
032B	311	10/4/2012	20.4	6.6	1308	3.84	QC DUPLICATE #311
032B	311	11/5/2012	16.8	6.9	1245	0.63	QC DUPLICATE #311
032B		12/5/2012	15.6	6.9	1215	2.71	
035	315	6/21/2012	16.9	6.5	1940	4.04	QC DUPLICATE #315
046		3/13/2012	10.5	6.7	854	1.39	
046		9/19/2012	13.1	6.5	1397	3.76	
048		1/16/2012	7.8	6.5	846	2.99	
048		4/11/2012	9.3	6.8	1318	4.67	
048		7/10/2012	14.8	6.8	1453	49.1	
048		10/17/2012	14.5	6.0	1424	4.21	
053		3/20/2012	13.9	6.6	2690	9.66	
053		9/24/2012	16.2	6.8	2250	22.0	
054		3/13/2012	12.5	6.6	2560	1.36	
054	312	9/13/2012	16.8	6.3	2130	7.60	QC DUPLICATE #312
059		3/15/2012	7.6	6.5	878	43.5	
060		3/15/2012	9.9	6.9	992	16.4	
061	319	3/9/2012	7.3	6.6	904	1.14	QC DUPLICATE #319
063		3/21/2012	13.0	6.5	6250	211	
064		1/11/2012	11.2	6.7	1510	13.9	
064		4/12/2012	10.9	7.0	1416	17.2	
064		7/12/2012	14.5	6.6	2680	23.2	
064		10/9/2012	14.9	6.4	1870	4.70	
065	312	1/11/2012	12.5	6.8	1400	2.20	QC DUPLICATE #312
065		4/12/2012	12.1	7.0	1376	1.48	
065		7/12/2012	12.5	6.7	1620	2.96	
065		10/9/2012	13.2	6.5	1770	0.85	
066		1/12/2012	7.1	6.7	2400	8.58	
066		4/10/2012	11.1	6.7	2410	7.67	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
066		7/10/2012	22.3	7.0	1397	23.3	
066	312	10/9/2012	18.8	6.3	964	3.22	QC DUPLICATE #312
067		1/16/2012	8.1	6.8	674	6.57	
067	312	4/9/2012	9.0	7.1	1367	14.2	QC DUPLICATE #312
067	312	7/9/2012	15.5	7.6	1620	13.3	QC DUPLICATE #312
067		10/10/2012	17.8	6.6	811	1.47	
068		1/18/2012	12.7	6.7	2420	7.64	
068		4/18/2012	11.9	6.5	2320	24.8	
068		7/17/2012	13.9	6.5	2180	221	
068		10/17/2012	14.8	6.6	2010	40.0	
069	312	3/9/2012	4.4	6.7	3370	8.71	QC DUPLICATE #312
069		9/13/2012	18.3	7.0	594	3.96	
085	312	5/7/2012	12.5	6.7	1970	234	QC DUPLICATE #312
085		11/15/2012	11.9	7.1	2530	114	
087		3/15/2012	13.9	7.0	1069	1.98	
087		9/14/2012	12.5	6.3	1097	3.68	
103		2/14/2012	9.5	7.0	1950	30.2	
103		9/25/2012					NETS HYDRO
104		2/14/2012	10.9	6.5	6470	4.76	
104		9/25/2012					NO SAMPLE, DRY WELL
104		11/14/2012					NETS HYDROLAB
105		2/15/2012	11.6	6.8	1630	8.65	
105		9/25/2012	14.7	6.9	1620	5.36	
106		2/15/2012	11.9	7.2	1375	2.71	
106		9/25/2012	15.2	7.3	1345	11.6	
108		2/16/2012	12.5	7.0	1660	8.36	
108		9/27/2012	20.0	7.1	1467	30.3	
109		2/16/2012	11.4	7.1	1494	5.45	
109		9/27/2012	14.7	7.2	1379	9.33	
113		1/17/2012	9.7	6.8	1339	3.95	
113		4/12/2012	10.1	7.0	1287	7.14	
113		7/13/2012	12.0	6.1	1191	7.51	
113		10/17/2012	10.5	6.3	1257	22.6	
118		3/29/2012	15.2	6.5	2160	5.32	
118		10/30/2012	15.5	6.7	2110	9.41	
143		3/14/2012	13.0	7.2	1590	12.6	
143		9/13/2012	14.2	6.3	1850	6.45	
145		3/21/2012	11.3	6.8	2520	>1000	
146		3/21/2012	11.0	6.5	720	33.3	
150		5/7/2012	12.3	6.9	1600	314	
150		11/14/2012	10.9	7.2	1700	61.6	
151		3/22/2012	15.4	6.4	1304	33.1	
151		7/31/2012	18.7	6.4	1700	29.1	METALS AND TF
151		7/30/2012					NETS HYDROLAB
156		3/15/2012	9.1	7.0	1268	3.49	
156		8/9/2012	12.3	7.1	1172	3.80	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
161		3/22/2012	12.4	6.5	755	2.57	
166		6/19/2012	12.6	6.8	1209	22.3	
166		12/19/2012	11.8	6.8	1152	27.6	
167		6/19/2012	16.4	6.2	623	6.93	
167		12/19/2012	11.0	6.5	710	8.84	
178		3/20/2012	16.5	6.7	4690	155	
181		5/17/2012	15.7	7.2		901	SP COND = 17400
181		11/19/2012	19.6	7.5		922	SP. COND. = 12750
204		3/27/2012	10.6	6.8	2660	734	
210	310	1/3/2012	11.7	7.0	1031	1.33	QC DUPLICATE #310
210		2/1/2012	12.1	6.6	1024	10.4	
210		3/7/2012	12.0	7.1	1032	1.08	
210		4/27/2012	12.4	7.4	968	1.0	
210	310	5/2/2012	12.4	6.9	1047	0.66	QC DUPLICATE #310
210		6/5/2012	12.3	6.9	1061	1.53	
210		7/2/2012	14.2	7.0	1029	1.29	
210	310	8/1/2012	13.8	7.0	1054	5.58	QC DUPLICATE #310
210		9/4/2012	13.0	6.9	1064	4.48	
210	310	10/1/2012	12.6	6.6	1057	1.14	QC DUPLICATE #310
210		11/5/2012	11.1	6.9	1072	1.63	
210		12/6/2012	11.4	6.9	1053	3.32	
220		1/3/2012	13.6	6.8	1660	5.39	
220		2/1/2012	14.2	7.0	1680	1.70	
220		3/7/2012	13.6	6.8	1720	0.84	
220		4/2/2012	14.0	6.7	1730	1.19	
220		5/2/2012	14.2	6.7	1740	1.02	
220		6/5/2012	14.3	6.5	1710	6.82	
220		7/2/2012	15.2	6.8	1680	5.27	
220		8/1/2012	15.4	6.8	1700	2.85	
220		9/4/2012	15.8	6.7	1700	5.08	
220		10/1/2012	14.2	6.3	1650	2.02	
220		11/5/2012	13.4	6.8	1680	1.00	
220		12/5/2012	13.7	6.9	1700	9.02	
240		1/3/2012	12.4	6.7	1137	3.76	
240		2/1/2012	13.2	7.1	1138	1.38	
240		3/7/2012	12.4	6.9	1143	2.24	
240		4/2/2012	12.6	6.6	1170	1.20	
240		5/2/2012	13.1	7.2	1157	2.34	
240		6/5/2012	13.2	6.7	1174	4.04	
240		7/2/2012	14.7	6.9	1169	4.10	
240		8/1/2012	14.5	6.9	1182	3.00	
240		9/4/2012	14.5	6.7	1181	8.84	
240		10/1/2012	13.4	6.3	1194	3.04	
240		11/5/2012	12.5	6.9	1192	1.29	
240		12/5/2012	12.5	6.9	1189	4.12	
250		1/4/2012	10.5	6.8	765	18.1	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
250		2/7/2012					NO SAMPLE, NO PURGE
250		2/8/2012	11.0	7.0	774	14.5	
250		3/8/2012	12.8	6.8	750	14.0	
250		4/3/2012	12.7	6.8	733	20.1	
250		5/21/2012	12.2	6.6	961	31.2	
250	310	6/7/2012	12.5	6.6	922	11.4	QC DUPLICATE #310
250	310	7/3/2012	13.7	7.0	938	32.1	QC DUPLICATE #310
250		8/7/2012	13.1	6.7	970	15.9	
250	310	9/5/2012	12.8	6.5	951	8.33	QC DUPLICATE #310
250		10/2/2012	11.9	6.4	948	12.7	
250		11/6/2012	10.6	6.8	954	66.6	
250		12/6/2012	10.4	6.9	945	18.5	
260		1/4/2012	10.9	6.7	811	3.62	
260	310	2/8/2012	11.3	7.2	842	3.18	QC DUPLICATE #310
260		3/8/2012	12.2	6.9	812	5.49	
260		4/3/2012	12.0	6.6	774	6.48	
260		5/3/2012	12.0	7.0	767	10.3	
260		6/7/2012	12.7	6.9	785	55.2	
260		7/3/2012	12.8	7.0	772	10.6	
260		8/6/2012	14.7	7.3	812	15.2	
260		9/5/2012	12.8	6.5	787	11.3	
260		10/2/2012	12.0	6.2	808	18.4	
260		11/6/2012	11.3	6.7	795	22.3	
260		12/6/2012	11.3	7.0	784	6.78	
270		1/4/2012	11.0	6.6	1121	2.84	
270		2/7/2012					NO SAMPLE, NO PURGE
270		2/8/2012	11.3	6.8	1020	3.81	
270		3/8/2012	13.2	6.6	834	1.32	
270		4/3/2012	12.8	6.7	772	4.75	
270		5/3/2012	12.8	7.1	740	1.33	
270		6/7/2012	13.9	7.0	738	1.76	
270		7/3/2012	14.3	7.0	697	2.55	
270		8/7/2012	14.0	7.0	724	2.23	
270		9/5/2012	14.0	6.6	699	2.93	
270		10/2/2012	12.8	6.6	694	1.89	
270		11/6/2012	11.7	7.1	690	6.89	
270	310	12/6/2012	12.0	6.9	659	3.54	QC DUPLICATE #310
290		1/3/2012					NO SAMPLE, OFF LINE
290		2/29/2012					NO SAMPLE, OFF LINE
290		3/8/2012					NO SAMPLE, OFF LINE
290		4/2/2012					NO SAMPLE, OFF LINE
290		5/31/2012					NO SAMPLE, OFF LINE
290		6/29/2012					NO SAMPLE, OFF LINE
290		7/31/2012					NO SAMPLE, OFF LINE
290		8/31/2012					NO SAMPLE, OFF LINE
290		9/28/2012					NO SAMPLE, OFF LINE

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
290		10/31/2012					NO SAMPLE, OFF LINE
290		11/5/2012					NO SAMPLE, OFF LINE
290		12/28/2012					NO SAMPLE, OFF LINE
300		4/17/2012					TRIP BLANK/MOF
300		4/18/2012					TRIP BLANK/MOF
300		4/19/2012					TRIP BLANK/MOF
300		4/24/2012					TRIP BLANK/MOF
302		1/3/2012					TRIP BLANK
302		1/4/2012					TRIP BLANK
302		1/5/2012					TRIP BLANK
302		1/9/2012					TRIP BLANK
302		1/10/2012					TRIP BLANK
302		1/11/2012					TRIP BLANK
302		1/12/2012					TRIP BLANK
302		1/16/2012					TRIP BLANK
302		1/17/2012					TRIP BLANK
302		1/18/2012					TRIP BLANK
302		1/19/2012					TRIP BLANK
302		1/23/2012					TRIP BLANK
302		1/24/2012					TRIP BLANK
302		1/25/2012					TRIP BLANK
302		1/30/2012					TRIP BLANK
302		1/31/2012					TRIP BLANK
302		2/1/2012					TRIP BLANK
302		2/2/2012					TRIP BLANK
302		2/8/2012					TRIP BLANK
302		2/9/2012					TRIP BLANK
302		2/13/2012					TRIP BLANK
302		2/14/2012					TRIP BLANK
302		2/15/2012					TRIP BLANK
302		2/16/2012					TRIP BLANK
302		3/6/2012					TRIP BLANK
302		3/7/2012					TRIP BLANK
302		3/8/2012					TRIP BLANK
302		3/9/2012					TRIP BLANK
302		3/12/2012					TRIP BLANK
302		3/13/2012					TRIP BLANK
302		3/14/2012					TRIP BLANK
302		3/15/2012					TRIP BLANK
302		3/19/2012					TRIP BLANK
302		3/20/2012					TRIP BLANK
302		3/21/2012					TRIP BLANK
302		3/22/2012					TRIP BLANK
302		3/26/2012					TRIP BLANK
302		3/27/2012					TRIP BLANK
302		3/28/2012					TRIP BLANK

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
302		3/29/2012					TRIP BLANK
302		4/2/2012					TRIP BLANK
302		4/3/2012					TRIP BLANK
302		4/4/2012					TRIP BLANK
302		4/5/2012					TRIP BLANK
302		4/9/2012					TRIP BLANK
302		4/10/2012					TRIP BLANK
302		4/11/2012					TRIP BLANK
302		4/12/2012					TRIP BLANK
302		4/16/2012					TRIP BLANK
302		4/17/2012					TRIP BLANK
302		4/18/2012					TRIP BLANK
302		4/19/2012					TRIP BLANK
302		4/23/2012					TRIP BLANK
302		4/24/2012					TRIP BLANK
302		4/25/2012					TRIP BLANK
302		4/26/2012					TRIP BLANK
302		5/1/2012					TRIP BLANK
302		5/2/2012					TRIP BLANK
302		5/3/2012					TRIP BLANK
302		5/4/2012					TRIP BLANK
302		5/7/2012					TRIP BLANK
302		5/8/2012					TRIP BLANK
302		5/9/2012					TRIP BLANK
302		5/10/2012					TRIP BLANK
302		5/11/2012					TRIP BLANK
302		5/14/2012					TRIP BLANK
302		5/15/2012					TRIP BLANK
302		5/16/2012					TRIP BLANK
302		5/17/2012					TRIP BLANK
302		5/21/2012					TRIP BLANK
302		6/5/2012					TRIP BLANK
302		6/7/2012					TRIP BLANK
302		6/8/2012					TRIP BLANK
302		6/11/2012					TRIP BLANK
302		6/12/2012					TRIP BLANK
302		6/13/2012					TRIP BLANK
302		6/14/2012					TRIP BLANK
302		6/18/2012					TRIP BLANK
302		6/19/2012					TRIP BLANK
302		6/20/2012					TRIP BLANK
302		6/21/2012					TRIP BLANK
302		6/26/2012					TRIP BLANK
302		6/29/2012					TRIP BLANK
302		7/2/2012					TRIP BLANK
302		7/3/2012					TRIP BLANK

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
302		7/5/2012					TRIP BLANK
302		7/6/2012					TRIP BLANK
302		7/9/2012					TRIP BLANK
302		7/10/2012					TRIP BLANK
302		7/11/2012					TRIP BLANK
302		7/12/2012					TRIP BLANK
302		7/13/2012					TRIP BLANK
302		7/16/2012					TRIP BLANK
302		7/17/2012					TRIP BLANK
302		7/18/2012					TRIP BLANK
302		7/23/2012					TRIP BLANK
302		7/25/2012					TRIP BLANK
302		7/27/2012					TRIP BLANK
302		7/30/2012					TRIP BLANK
302		7/31/2012					TRIP BLANK
302		8/1/2012					TRIP BLANK
302		8/6/2012					TRIP BLANK
302		8/7/2012					TRIP BLANK
302		8/8/2012					TRIP BLANK
302		8/9/2012					TRIP BLANK
302		9/4/2012					TRIP BLANK
302		9/5/2012					TRIP BLANK
302		9/10/2012					TRIP BLANK
302		9/11/2012					TRIP BLANK
302		9/13/2012					TRIP BLANK
302		9/14/2012					TRIP BLANK
302		9/17/2012					TRIP BLANK
302		9/19/2012					TRIP BLANK
302		9/24/2012					TRIP BLANK
302		9/25/2012					TRIP BLANK
302		9/26/2012					TRIP BLANK
302		9/27/2012					TRIP BLANK
302		10/1/2012					TRIP BLANK
302		10/2/2012					TRIP BLANK
302		10/3/2012					TRIP BLANK
302		10/4/2012					TRIP BLANK
302		10/9/2012					TRIP BLANK
302		10/10/2012					TRIP BLANK
302		10/16/2012					TRIP BLANK
302		10/17/2012					TRIP BLANK
302		10/18/2012					TRIP BLANK
302		10/23/2012					TRIP BLANK
302		10/24/2012					TRIP BLANK
302		10/25/2012					TRIP BLANK
302		10/30/2012					TRIP BLANK
302		10/31/2012					TRIP BLANK

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
302		11/1/2012					TRIP BLANK
302		11/5/2012					TRIP BLANK
302		11/6/2012					TRIP BLANK
302		11/7/2012					TRIP BLANK
302		11/8/2012					TRIP BLANK
302		11/12/2012					TRIP BLANK
302		11/13/2012					TRIP BLANK
302		11/14/2012					TRIP BLANK
302		11/15/2012					TRIP BLANK
302		11/19/2012					TRIP BLANK
302		11/20/2012					TRIP BLANK
302		11/26/2012					TRIP BLANK
302		12/5/2012					TRIP BLANK
302		12/6/2012					TRIP BLANK
302		12/10/2012					TRIP BLANK
302		12/11/2012					TRIP BLANK
302		12/12/2012					TRIP BLANK
302		12/13/2012					TRIP BLANK
302		12/14/2012					TRIP BLANK
302		12/17/2012					TRIP BLANK
302		12/18/2012					TRIP BLANK
302		12/19/2012					TRIP BLANK
303		1/3/2012					EQUIP. BLANK/WLID
303		1/4/2012					EQUIP. BLANK/WLID
303		1/5/2012					EQUIP. BLANK/WLID
303		1/10/2012					EQUIP. BLANK/WLID
303		1/11/2012					EQUIP. BLANK/WLID
303		1/12/2012					EQUIP. BLANK/WLID
303		1/16/2012					EQUIP. BLANK/WLID
303		1/17/2012					EQUIP. BLANK/WLID
303		1/18/2012					EQUIP. BLANK/WLID
303		1/19/2012					EQUIP. BLANK/WLID
303		1/23/2012					EQUIP. BLANK/WLID
303		1/24/2012					EQUIP. BLANK/WLID
303		1/25/2012					EQUIP. BLANK/WLID
303		1/30/2012					EQUIP. BLANK/WLID
303		1/31/2012					EQUIP. BLANK/WLID
303		2/1/2012					EQUIP. BLANK/WLID
303		2/2/2012					EQUIP. BLANK/WLID
303		2/8/2012					EQUIP. BLANK/SCOOP
303		2/9/2012					EQUIP. BLANK/WLID
303		2/13/2012					EQUIP. BLANK/WLID
303		2/14/2012					EQUIP. BLANK/WLID
303		2/15/2012					EQUIP. BLANK/WLID
303		2/16/2012					EQUIP. BLANK/WLID
303		3/6/2012					EQUIP. BLANK/WLID

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
303		3/7/2012					EQUIP. BLANK/WLID
303		3/8/2012					EQUIP. BLANK/WLID
303		3/9/2012					EQUIP. BLANK/WLID
303		3/13/2012					EQUIP. BLANK/WLID
303		3/14/2012					EQUIP. BLANK/WLID
303		3/15/2012					EQUIP. BLANK/WLID
303		3/19/2012					EQUIP. BLANK/WLID
303		3/20/2012					EQUIP. BLANK/WLID
303		3/21/2012					EQUIP. BLANK/WLID
303		3/22/2012					EQUIP. BLANK/WLID
303		3/26/2012					EQUIP. BLANK/WLID
303		3/27/2012					EQUIP. BLANK/WLID
303		3/28/2012					EQUIP. BLANK/WLID
303		3/29/2012					EQUIP. BLANK/WLID
303		4/2/2012					EQUIP. BLANK/WLID
303		4/3/2012					EQUIP. BLANK/WLID
303		4/5/2012					EQUIP. BLANK/WLID
303		4/9/2012					EQUIP. BLANK/WLID
303		4/10/2012					EQUIP. BLANK/WLID
303		4/11/2012					EQUIP. BLANK/WLID
303		4/12/2012					EQUIP. BLANK/WLID
303		4/16/2012					EQUIP. BLANK/WLID
303		4/17/2012					EQUIP. BLANK/WLID
303		4/18/2012					EQUIP. BLANK/WLID
303		4/19/2012					EQUIP. BLANK/WLID
303		4/23/2012					EQUIP. BLANK/WLID
303		4/24/2012					EQUIP. BLANK/WLID
303		4/25/2012					EQUIP. BLANK/WLID
303		4/26/2012					EQUIP. BLANK/WLID
303		5/1/2012					EQUIP. BLANK/WLID
303		5/3/2012					EQUIP. BLANK/WLID
303		5/4/2012					EQUIP. BLANK/WLID
303		5/7/2012					EQUIP. BLANK/WLID
303		5/8/2012					EQUIP. BLANK/WLID
303		5/9/2012					EQUIP. BLANK/WLID
303		5/10/2012					EQUIP. BLANK/WLID
303		5/11/2012					EQUIP. BLANK/WLID
303		5/14/2012					EQUIP. BLANK/WLID
303		5/15/2012					EQUIP. BLANK/WLID
303		5/16/2012					EQUIP. BLANK/WLID
303		5/17/2012					EQUIP. BLANK/WLID
303		5/21/2012					EQUIP. BLANK/WLID
303		6/5/2012					EQUIP. BLANK/WLID
303		6/8/2012					EQUIP. BLANK/WLID
303		6/11/2012					EQUIP. BLANK/WLID
303		6/12/2012					EQUIP. BLANK/WLID

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
303		6/13/2012					EQUIP. BLANK/WLID
303		6/14/2012					EQUIP. BLANK/WLID
303		6/18/2012					EQUIP. BLANK/WLID
303		6/19/2012					EQUIP. BLANK/WLID
303		6/21/2012					EQUIP. BLANK/WLID
303		6/26/2012					EQUIP. BLANK/WLID
303		6/29/2012					EQUIP. BLANK/WLID
303		7/2/2012					EQUIP. BLANK/WLID
303		7/3/2012					EQUIP. BLANK/WLID
303		7/6/2012					EQUIP. BLANK/WLID
303		7/9/2012					EQUIP. BLANK/WLID
303		7/10/2012					EQUIP. BLANK/WLID
303		7/11/2012					EQUIP. BLANK/WLID
303		7/12/2012					EQUIP. BLANK/WLID
303		7/13/2012					EQUIP. BLANK/WLID
303		7/16/2012					EQUIP. BLANK/WLID
303		7/17/2012					EQUIP. BLANK/WLID
303		7/18/2012					EQUIP. BLANK/WLID
303		7/23/2012					EQUIP. BLANK/WLID
303		7/25/2012					EQUIP. BLANK/WLID
303		7/27/2012					EQUIP. BLANK/WLID
303		7/30/2012					EQUIP. BLANK/WLID
303		7/31/2012					EQUIP. BLANK/WLID
303		8/1/2012					EQUIP. BLANK/WLID
303		8/6/2012					EQUIP. BLANK/WLID
303		8/8/2012					EQUIP. BLANK/WLID
303		8/9/2012					EQUIP. BLANK/WLID
303		9/4/2012					EQUIP. BLANK/WLID
303		9/5/2012					EQUIP. BLANK/WLID
303		9/11/2012					EQUIP. BLANK/WLID
303		9/13/2012					EQUIP. BLANK/WLID
303		9/14/2012					EQUIP. BLANK/WLID
303		9/17/2012					EQUIP. BLANK/WLID
303		9/19/2012					EQUIP. BLANK/WLID
303		9/24/2012					EQUIP. BLANK/WLID
303		9/25/2012					EQUIP. BLANK/WLID
303		9/26/2012					EQUIP. BLANK/WLID
303		9/27/2012					EQUIP. BLANK/WLID
303		10/1/2012					EQUIP. BLANK/WLID
303		10/2/2012					EQUIP. BLANK/WLID
303		10/4/2012					EQUIP. BLANK/WLID
303		10/9/2012					EQUIP. BLANK/WLID
303		10/10/2012					EQUIP. BLANK/WLID
303		10/16/2012					EQUIP. BLANK/WLID
303		10/17/2012					EQUIP. BLANK/WLID
303		10/18/2012					EQUIP. BLANK/WLID

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
303		10/23/2012					EQUIP. BLANK/WLID
303		10/24/2012					EQUIP. BLANK/WLID
303		10/25/2012					EQUIP. BLANK/WLID
303		10/30/2012					EQUIP. BLANK/WLID
303		10/31/2012					EQUIP. BLANK/WLID
303		11/1/2012					EQUIP. BLANK/WLID
303		11/5/2012					EQUIP. BLANK/WLID
303		11/6/2012					EQUIP. BLANK/WLID
303		11/8/2012					EQUIP. BLANK/WLID
303		11/12/2012					EQUIP. BLANK/WLID
303		11/13/2012					EQUIP. BLANK/WLID
303		11/14/2012					EQUIP. BLANK/WLID
303		11/15/2012					EQUIP. BLANK/WLID
303		11/19/2012					EQUIP. BLANK/WLID
303		11/20/2012					EQUIP. BLANK/WLID
303		11/26/2012					EQUIP. BLANK/WLID
303		12/5/2012					EQUIP. BLANK/WLID
303		12/6/2012					EQUIP. BLANK/WLID
303		12/10/2012					EQUIP. BLANK/WLID
303		12/12/2012					EQUIP. BLANK/WLID
303		12/13/2012					EQUIP. BLANK/WLID
303		12/14/2012					EQUIP. BLANK/WLID
303		12/18/2012					EQUIP. BLANK/WLID
303		12/19/2012					EQUIP. BLANK/WLID
304		12/17/2012					EQUIP. BLANK/SP#3
305		6/20/2012					EQUIP. BLANK/2"SP#3
305		11/7/2012					EQUIP. BLANK/SCOOP
305		12/11/2012					EQUIP. BLANK/WLID
306		10/3/2012					EQUIP. BLANK/SCOOP
323		1/3/2012	13.1	6.4	817	1.56	
323		2/1/2012	13.1	6.6	819	1.22	
323	310	3/7/2012	12.8	6.5	831	1.21	QC DUPLICATE #310
323		4/2/2012	12.4	6.5	872	0.75	
323		5/2/2012	12.6	6.8	853	1.66	
323		6/5/2012	13.0	6.5	867	1.38	
323		7/2/2012	14.3	6.8	887	1.88	
323		8/1/2012	14.6	6.7	913	1.57	
323		9/4/2012	15.1	6.5	926	3.46	
323		10/1/2012	14.0	6.4	941	0.84	
323	310	11/5/2012	13.4	6.8	954	0.67	QC DUPLICATE #310
323		12/5/2012	13.5	6.7	1025	3.50	
325		1/3/2012	11.4	6.5	1442	6.43	
325		2/1/2012	12.6	6.7	1433	4.79	
325		3/7/2012	11.8	6.9	1439	3.66	
325	310	4/2/2012	12.2	6.6	1441	3.25	QC DUPLICATE #310
325		5/2/2012	12.4	6.9	1437	32.5	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
325		6/5/2012	12.7	6.7	1428	7.26	
325		7/2/2012	14.1	6.9	1412	4.76	
325		8/1/2012	13.8	6.9	1421	8.93	
325		9/4/2012	13.5	6.8	1391	20.3	
325		10/1/2012	12.7	6.6	1427	6.07	
325		11/5/2012	11.7	6.6	1433	0.49	
325		12/5/2012	11.9	6.8	1436	27.1	
395		1/5/2012	15.7	6.7	1690	2.22	
395		2/2/2012	15.6	6.8	1520	1.53	
395		3/13/2012	16.2	7.3	1109	16.5	
395	311	4/3/2012	16.2	7.4	1018	13.8	QC DUPLICATE #311
395		5/4/2012	17.0	7.3	926	6.25	
395	311	6/11/2012	18.5	7.3	877	6.28	QC DUPLICATE #311
395		7/6/2012	18.8	6.9	912	3.21	
395		8/8/2012	20.6	7.3	896	1.42	
395	311	9/5/2012	20.3	6.4	992	6.65	QC DUPLICATE #311
395		10/4/2012	19.9	6.4	1073	0.97	
395		11/8/2012	17.8	6.7	1450	1.86	
395		12/10/2012	18.5	7.1	1540	9.62	
395A		1/5/2012	17.2	6.8	1490	1.16	
395A		2/2/2012	16.7	7.2	1500	0.59	
395A		3/13/2012	17.7	7.2	1248	0.81	
395A		4/3/2012	18.1	7.5	1207	2.64	
395A		5/4/2012	18.4	7.3	962	0.42	
395A		6/11/2012	23.5	7.5	834	3.99	
395A		7/6/2012	25.4	7.0	896	1.53	
395A		8/8/2012	24.8	7.4	392	1.20	
395A		9/5/2012	24.8	6.6	1096	1.94	
395A		10/4/2012	20.8	6.7	970	0.66	
395A		11/8/2012	17.9	6.9	1190	1.39	
395A		12/10/2012	17.8	7.2	1590	0.86	
395B		1/5/2012	14.7	6.9	1560	15.2	
395B		2/2/2012	16.0	7.5	1460	11.5	
395B		3/13/2012	17.7	7.3	1230	3.70	
395B		4/3/2012	17.1	7.4	1196	4.99	
395B		5/4/2012	18.5	7.5	830	2.63	
395B		6/11/2012	24.0	7.7	830	23.7	
395B		7/6/2012	26.5	7.3	694	12.7	
395B		8/8/2012	24.6	7.6	762	17.3	
395B		9/5/2012	25.5	6.7	973	37.3	
395B		10/4/2012	21.6	7.0	952	31.0	
395B		11/8/2012	15.8	7.2	1346	10.8	
395B		12/10/2012	16.6	7.5	1520	4.74	
400		6/18/2012	12.9	6.2	637	18.1	
400		12/18/2012	10.8	6.3	674	3.50	
401		6/18/2012	12.4	6.6	905	5.44	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
401		12/18/2012	11.1	6.7	869	3.74	
402	312	6/13/2012	13.4	6.5	1087	1.58	QC DUPLICATE #312
402		9/27/2012	13.4	7.2	1063	1.19	QC DUPLICATE #319
403		6/14/2012	13.6	6.5	1600	130	
403		12/18/2012	11.7	6.8	1377	7.94	
404		6/18/2012	12.7	6.4	2950	8.42	
404		12/18/2012	11.6	6.7	2770	3.59	
407		6/13/2012	13.1	6.6	1590	1.68	
407	312	12/14/2012	12.4	6.7	1580	4.90	QC DUPLICATE #312
408		6/18/2012	10.5	6.8	624	3.08	
408		12/19/2012	11.1	6.6	618	4.00	
410		6/18/2012	11.7	5.8	336	19.7	
410		12/19/2012	10.5	6.0	418	7.87	
412		6/14/2012	11.6	6.8	1500	11.6	
412		12/19/2012	10.4	6.7	1469	2.89	
415		6/14/2012	13.1	6.2	1380	2.92	
415		12/14/2012	12.5	6.7	1407	3.59	
416		1/23/2012	10.5	6.4	778	113	
416	313	6/18/2012	12.1	6.6	800	71.2	QC DUPLICATE #313
416		12/14/2012	11.6	6.8	743	213	
417		6/13/2012	13.2	6.7	745	72.9	
417		12/14/2012	11.5	6.7	767	60.5	
423		6/14/2012	12.3	6.3	816	2.15	
423		12/14/2012	11.6	6.4	783	4.85	
424		6/14/2012	14.8	6.6	840	29.7	
424	313	12/14/2012	13.8	6.6	833	20.5	QC DUPLICATE #313
502	313	1/17/2012	11.3	6.7	2010	5.88	QC DUPLICATE #313
502		4/23/2012	11.5	6.8	1890	9.32	
502		7/10/2012	13.5	7.0	1790	9.96	
502		10/23/2012	12.4	6.6	1700	18.1	
503		1/17/2012	12.0	6.5	1650	7.06	
503		4/11/2012	12.2	7.0	1397	8.82	
503		7/11/2012	13.6	6.4	1372	6.59	
503		10/23/2012	12.9	6.8	1240	8.34	
515		1/23/2012	10.2	6.8	582	2.43	
515		4/26/2012	10.5	6.9	571	0.54	
515		7/18/2012	13.5	6.8	575	6.19	
515		10/24/2012	11.0	7.5	586	4.98	
520		1/17/2012	12.2	6.8	795	5.27	
520		4/25/2012	11.4	7.0	909	4.86	
520		7/9/2012	12.8	7.4	1131	6.09	
520		10/18/2012	14.5	7.0	1250	4.53	
521		1/17/2012	11.8	6.8	713	86.5	
521		4/25/2012	11.8	6.9	915	98.9	
521		7/9/2012	12.8	7.3	922	74.9	
521		10/18/2012	13.3	7.1	831	141	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
535		1/24/2012	10.5	6.8	636	3.71	
535		4/24/2012	11.4	7.0	6260	2.53	
535		7/12/2012	14.4	7.1	632	4.45	
535		10/17/2012	11.9	6.5	637	3.16	
543		1/12/2012	8.9	6.8	703	1.78	
543		4/9/2012	8.8	6.9	849	0.58	
543		7/10/2012	13.5	6.6	1334	4.77	
543		10/10/2012	14.7	6.7	1660	4.78	
545		1/16/2012	10.9	6.7	685	9.53	
545	313	4/9/2012	10.9	6.9	806	3.15	QC DUPLICATE #313
545		7/10/2012	10.8	6.4	1450	14.8	
545	313	10/10/2012	12.1	6.6	1500	20.4	QC DUPLICATE #313
559		3/19/2012	12.4	6.5	1650	4.21	
559		9/26/2012	11.9	6.5	1660	8.59	
561		3/19/2012	12.4	6.5	871	58.0	
561		9/19/2012	11.6	6.6	1054	36.7	
563		3/19/2012	11.3	6.9	1075	2.88	
563		9/19/2012	11.3	6.8	1426	19.7	
564		3/19/2012	12.5	6.7	677	4.46	
564		9/25/2012	12.3	6.5	647	6.10	
571		1/16/2012	8.8	6.7	947	1000	
571		4/9/2012	10.1	7.0	965	947	
571	313	7/9/2012	14.0	7.3	1202	878	QC DUPLICATE #313
571		10/16/2012	13.9	6.4	1480	1000	
572		6/29/2012	21.7	7.4	1470	1.78	
574		6/29/2012	21.7	6.7	1550	2.90	
576	315	3/20/2012	13.9	6.6	2650	49.0	QC DUPLICATE #315
576		9/17/2012	14.2	6.9	3430	78.5	
577	313	2/16/2012	11.9	7.2	3680	99.5	QC DUPLICATE #313
577	313	8/9/2012	15.0	6.7	3760	138	QC DUPLICATE #313
578	318	1/25/2012	11.8	6.9	1295	2.13	QC DUPLICATE #318
578		7/25/2012	13.0	6.7	1289	1.57	
579		3/22/2012	14.4	6.8	1372	5.54	
579		12/12/2012	11.9	6.6	1090	11.5	
580		3/27/2012	11.4	6.7	1510	37.3	
581		2/9/2012	11.4	6.6	966	1000	
581		7/23/2012	14.8	6.3	1322	>1000	
600		3/15/2012	12.0	6.5	4640	198	
601		3/19/2012	13.4	7.1	1870	1.72	
602		3/26/2012	12.2	6.8	306	>1000	
603		3/13/2012	14.9	7.0	650	>1000	
604	320	3/26/2012	13.2	6.9	597	21.4	QC DUPLICATE #320
606		6/19/2012	15.2	6.7	5480	24.2	
606		12/17/2012	13.1	6.6	5750	60.3	
607		6/26/2012	15.1	6.5	756	489	REJECTED, LAB ERROR
607		6/29/2012	17.9	7.2	777	27.8	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
608		3/15/2012	14.6	7.1	1810	>1000	
609		5/8/2012	13.7	6.6	2170	75.1	
609		11/12/2012	13.6	7.0	2400	80.5	
610		3/20/2012	14.0	6.8	1940	4.98	
610		9/25/2012	14.5	7.0	1980	7.70	
611	314	6/13/2012	14.0	6.3	1550	5.81	QC DUPLICATE #314
611		12/17/2012	12.9	6.8	1580	15.9	
612		1/5/2012	14.1	7.0	4200	6.47	
612		2/2/2012	13.2	6.5	4080	5.61	
612		3/7/2012	13.1	6.6	4000	7.16	
612		4/5/2012	13.2	6.9	4150	0.98	
612		5/4/2012	13.6	6.5	4130	33.2	
612		6/8/2012	15.6	6.3	3750	12.0	
612		7/6/2012	17.2	6.6	4010	10.4	
612		8/8/2012	19.8	6.9	3580	4.04	
612		9/4/2012	18.6	6.7	3700	6.50	
612		10/3/2012	18.3	6.4	3510	0.79	
612		11/8/2012	16.1	6.6	3270	7.97	
612		12/10/2012	15.0	6.5	3950	6.17	
613		1/3/2012					NO SAMPLE, OFF LINE
613		1/5/2012					NO SAMPLE, OFF LINE
613		2/2/2012					NO SAMPLE, OFF LINE
613		3/7/2012					NO SAMPLE, OFF LINE
613		4/2/2012					NO SAMPLE, OFF LINE
613		5/31/2012					NO SAMPLE, OFF LINE
613		6/8/2012					NO SAMPLE, OFF LINE
613		7/6/2012					NO SAMPLE, OFF LINE
613		8/8/2012					NO SAMPLE, OFF LINE
613		9/4/2012					NO SAMPLE, OFF LINE
613		10/31/2012					NO SAMPLE, OFF LINE
613		11/5/2012					NO SAMPLE, OFF LINE
613		12/28/2012					NO SAMPLE, OFF LINE
617		1/5/2012	15.1	7.2	3340	0.85	
617		2/2/2012	14.3	6.7	3350	1.13	
617	311	3/7/2012	13.8	6.9	3200	0.56	QC DUPLICATE #311
617		4/5/2012	13.1	7.1	3170	0.64	
617		5/4/2012	13.0	6.7	3100	1.56	
617		6/8/2012	13.2	6.4	3160	2.18	
617		7/6/2012	13.9	6.8	3240	0.83	
617		8/8/2012	14.7	6.8	3340	1.08	
617		9/4/2012	15.1	6.9	3350	1.69	
617		10/3/2012	15.5	6.6	3370	0.33	
617		11/8/2012	15.0	6.8	3340	1.71	
617		12/10/2012	15.2	6.8	3400	1.24	
618		1/5/2012	12.2	7.2	1850	2.59	
618		2/2/2012	11.1	6.9	1840	3.34	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
618		3/7/2012	10.4	6.8	1820	3.20	
618		4/5/2012	11.8	7.0	1840	8.98	
618		5/4/2012	12.9	6.7	1860	2.73	
618		6/8/2012	15.6	6.5	1860	5.50	
618		7/6/2012	16.9	6.8	1820	11.3	
618		8/8/2012	18.5	6.8	1890	7.54	
618		9/4/2012	18.5	6.9	1850	7.49	
618		10/3/2012	17.4	6.7	1710	24.3	
618		11/8/2012	14.8	6.9	1790	8.25	
618	311	12/10/2012	13.1	6.9	1750	1.17	QC DUPLICATE #311
622		5/7/2012	14.4	6.9	1033	23.0	
622		11/14/2012	14.2	7.4	1066	3.08	
623		6/11/2012	13.8	6.9	1850	20.5	
623		12/12/2012	12.0	6.8	1890	6.1	
624		6/11/2012	14.1	6.8	917	6.85	
624		11/12/2012	13.1	7.0	927	8.75	
627		2/13/2012	12.0	5.5	713	52.7	
628		1/3/2012	11.1	6.8	961	1.08	
628	311	2/2/2012	10.7	6.7	930	3.83	QC DUPLICATE #311
628		3/6/2012	10.0	6.3	941	2.35	
628		4/2/2012	10.6	6.7	973	0.93	
628	311	5/1/2012	11.1	6.7	955	1.75	QC DUPLICATE #311
628		6/5/2012	11.7	6.9	1088	0.95	
628	311	7/2/2012	13.4	6.8	1181	2.59	QC DUPLICATE #311
628	311	8/6/2012	17.2	6.7	1308	1.49	QC DUPLICATE #311
628		9/4/2012	14.6	6.9	1404	2.48	
628		10/1/2012	14.4	6.6	1493	1.02	
628		11/5/2012	12.9	6.9	1398	0.37	
628		12/5/2012	13.0	6.9	1349	0.64	
628A		1/3/2012	11.3	6.9	957	0.85	
628A		2/2/2012	10.8	6.9	922	0.72	
628A		3/6/2012	10.1	6.4	937	12.9	
628A		4/2/2012	10.4	6.9	966	0.53	
628A		5/1/2012	11.1	6.8	945	0.68	
628A		6/5/2012	11.6	6.9	1082	0.84	
628A		7/2/2012	12.9	6.9	1167	0.62	
628A		8/6/2012	15.0	6.8	1334	0.72	
628A		9/4/2012	14.5	6.9	1422	2.19	
628A		10/1/2012	14.2	6.7	1491	0.52	
628A		11/5/2012	13.1	6.9	1402	0.79	
628A		12/5/2012	13.0	7.0	1344	1.86	
628B		1/3/2012	11.4	6.9	957	0.51	
628B		2/2/2012	10.9	6.8	932	0.66	
628B		3/6/2012	10.2	6.6	932	0.94	
628B		4/2/2012	10.5	6.9	971	0.33	
628B		5/1/2012	11.1	6.8	948	0.57	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
628B		6/5/2012	11.6	6.8	1090	0.86	
628B		7/2/2012	12.7	6.8	1171	0.17	
628B		8/6/2012	14.8	6.8	1298	0.68	
628B		9/4/2012	14.2	6.9	1430	1.91	
628B		10/1/2012	14.2	6.8	1486	0.32	
628B		11/5/2012	13.4	6.9	1398	0.26	
628B		12/5/2012	13.1	6.9	1342	0.66	
638		1/19/2012	13.0	6.9	8400	1000	
638		4/10/2012	11.9	6.7	7060	1000	
638		7/11/2012	15.2	6.5	6600	1000	
638		10/16/2012	15.7	6.6	8240	916	
639		1/19/2012					NO SAMPLE, DRY WELL
639		4/10/2012					NO SAMPLE, DRY WELL
639		7/11/2012					NO SAMPLE, DRY WELL
639		10/16/2012					NO SAMPLE, OFF LINE
640		1/19/2012	15.0	6.8	8240	>1000	
640		4/10/2012	14.4	6.6	739	737	
640		7/11/2012	18.4	6.5	764	935	
640		10/16/2012	19.2	6.4	882	740	
701		1/31/2012	9.7	6.8	1490	798	
701		7/25/2012	14.4	6.8	1317	1000	
702	314	1/31/2012	10.0	6.9	1398	1000	QC DUPLICATE #314
702	314	7/23/2012	17.8	6.8	1530	1000	QC DUPLICATE #314
704		1/30/2012	11.7	6.8	1447	4.57	
704		7/27/2012	13.8	6.8	1510	6.45	
706		2/15/2012	13.9	6.5	5260	4.63	
706		7/31/2012	17.1	6.9	4890	11.1	
711	317	3/29/2012	14.2	6.7	1680	5.22	QC DUPLICATE #317
711		8/9/2012	16.0	7.2	1680	9.48	
714		2/9/2012	12.8	6.4	2580	171	
714		7/30/2012	16.6	6.9	2470	35.2	
716		5/8/2012	14.2	6.9	2750	6.75	
716		9/19/2012	15.1	7.0	2850	5.83	
720		5/14/2012	13.1	6.7	1197	2.78	
720		9/27/2012	15.0	6.8	1384	51.7	
722		5/8/2012	13.7	6.8	1960	3.03	
722	318	9/14/2012	14.1	6.3	2030	3.66	QC DUPLICATE #318
732		5/11/2012	15.1	7.2	997	2.35	
732		12/12/2012	15.0	6.8	953	5.62	
734		5/7/2012	16.2	6.8	1730	5.45	
734		12/12/2012	15.0	6.6	1960	9.82	
735		2/9/2012	13.5	6.8	3200	40.6	
735		7/30/2012	16.1	5.7	3510	46.8	
737		5/9/2012	14.9	7.2	485	17.2	
737		11/15/2012	12.8	7.5	555	37.6	
739		6/20/2012	15.2	6.2	1368	11.1	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
739		12/17/2012	13.6	6.8	1325	13.0	
740		2/14/2012	12.7	6.5	7140	3.20	
742	315	5/17/2012	14.0	6.7	1115	19.4	QC DUPLICATE #315
742		12/13/2012	13.4	6.8	1230	65.3	
743		3/27/2012	11.5	6.9	4380	89.4	
744		1/18/2012	11.8	6.9	1218	2.06	
744	314	4/19/2012	13.3	7.0	1092	2.39	QC DUPLICATE #314
744	314	7/16/2012	14.9	7.2	1117	1.89	QC DUPLICATE #314
744		11/1/2012	12.9	6.8	1580	3.08	
745		1/19/2012	11.1	6.8	3770	5.26	
745		4/19/2012	20.3	6.7	3520	10.9	
745		7/16/2012	21.4	6.7	3760	7.58	
745		10/18/2012	18.2	6.2	3970	4.18	
751		4/17/2012					NO SAMP, NO RECOVERY
751		5/16/2012	16.1	6.7	1051	4.66	
751		10/31/2012	15.6	7.1	1032	583	
753		4/17/2012					NO SAMP, NO RECOVERY
753		4/24/2012	12.3	6.8	791	57.1	
753		5/16/2012	11.4	6.5	777	4.05	
753		10/31/2012	16.1	6.9	855	13.3	
754		4/17/2012	14.3	6.8	1660	0.92	
755		1/18/2012	10.6	6.9	931	6.07	
755		4/18/2012	12.0	6.6	917	12.0	
755		7/16/2012	18.3	6.6	1160	2.97	
755		10/17/2012	16.4	6.5	992	8.90	
756		4/18/2012					NETS HYDROLAB
756		5/16/2012					NO SAMP, NO RECOVERY
756		6/21/2012					NO SAMP, NO RECOVERY
756		10/24/2012	17.0	6.6	3610	27.2	
757		1/18/2012	13.6	6.8	2020	>1000	
757		4/10/2012	11.9	6.6	1670	>1000	
757		7/9/2012	17.0	7.9	1004	>1000	
757		10/16/2012	18.8	6.3	1049	>1000	
761		1/31/2012	13.6	7.1	1640	367	
761	316	7/23/2012	14.7	6.5	1710	1000	QC DUPLICATE #316
763		1/31/2012	14.2	7.4	2230	218	
763		7/25/2012	16.9	7.0	2340	540	
766	317	2/13/2012	14.2	6.3	4800	338	QC DUPLICATE #317
766		7/30/2012	17.2	6.2	5840	436	
767		3/14/2012	13.7	6.4	4240	9.61	
767		10/31/2012	16.5	6.6	4330	221	
768		3/14/2012	15.0	6.5	8270	21.4	
768		10/31/2012	16.1	6.5	6140	25.2	
769	318	2/14/2012	14.2	6.7	5330	593	QC DUPLICATE #318
769	317	7/31/2012	16.8	6.9	4170	645	QC DUPLICATE #317
771		3/14/2012	16.4	6.7	3120	882	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
772		1/24/2012	12.2	6.5	4580	18.0	
772		4/26/2012	12.6	6.4	4630	13.2	
772		7/17/2012	19.2	6.1	4840	13.8	
772		10/18/2012	19.9	6.2	4670	16.2	
773		1/18/2012	13.5	6.5	3750	25.0	
773		4/24/2012	13.1	6.5	3660	9.55	
773		7/17/2012	15.7	6.3	3700	48.2	
773	315	10/18/2012	16.6	6.1	3640	660	QC DUPLICATE #315
774	314	1/19/2012	13.6	6.4	4770	8.25	QC DUPLICATE #314
774		4/24/2012	13.2	6.5	4910	4.47	
774	315	7/16/2012	16.3	6.4	4970	7.2	QC DUPLICATE #315
774	312	11/15/2012	15.3	6.8	5080	0.85	QC DUPLICATE #312
775		2/15/2012	14.1	6.5	4890	116	
777		3/15/2012	11.4	6.7	953	3.33	
777		7/25/2012	12.8	6.7	1280	0.64	
779		2/16/2012	10.6	6.9	1820	2.22	
779		8/9/2012	13.8	7.2	1870	2.09	
789	320	2/13/2012	12.0	6.3	1356	>1000	QC DUPLICATE #320
791		2/14/2012	11.9	7.1	5150	>1000	
792		6/21/2012	16.2	5.9	5030	539	
793		2/13/2012	13.0	6.4	5800	156	
793	319	9/26/2012	11.3	6.8	5770	229	QC DUPLICATE #319
832		1/12/2012	11.7	6.7	848	6.39	
832		4/9/2012	10.4	6.9	980	0.57	
832		7/9/2012	12.6	6.9	1130	2.98	
832		10/16/2012	13.1	6.4	1395	64.7	
857		1/10/2012	11.2	6.7	935	14.9	
857		4/23/2012	11.9	6.9	914	11.2	
857		7/17/2012	13.4	6.5	912	11.3	
857		10/23/2012	11.7	7.0	909	25.9	
858		1/10/2012	11.5	6.5	801	3.95	
858		4/23/2012	11.3	6.8	804	9.68	
858		7/18/2012	13.4	6.9	856	8.34	
858		10/24/2012	11.3	7.4	857	3.91	
859		1/25/2012	10.3	6.9	674	4.31	
859		4/26/2012	10.9	6.9	672	2.26	
859		9/11/2012	11.9	7.0	662	7.09	
859		10/25/2012	11.2	6.9	664	3.52	
860		1/25/2012	10.5	6.8	583	14.2	
860		4/26/2012	11.7	6.9	582	19.7	
860		9/11/2012	11.7	6.8	589	6.10	
860		10/25/2012	11.3	6.9	587	11.0	
861		1/24/2012	10.8	6.8	1002	13.7	
861		4/25/2012	12.2	6.9	1267	19.6	
861		7/25/2012	12.5	6.4	1222	50.1	
861		11/1/2012	11.9	6.7	1188	26.3	

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
861		11/20/2012	11.4	7.0	2540	23.4	
862		1/24/2012	10.9	6.8	968	3.09	
862		4/25/2012	11.6	6.8	963	2.56	
862		7/25/2012	12.3	6.5	981	2.71	
862		11/1/2012	11.5	6.9	1004	9.95	
862		11/20/2012					NO SAMP., PUMP STUCK
862		11/26/2012	11.1	7.1	1087	10.3	
921		6/12/2012	14.1	6.5	2670	7.55	
921		12/13/2012	12.1	6.7	2640	7.97	
922		5/10/2012	13.2	6.6	2870	11.3	
922		11/19/2012	12.9	7.0	2760	62.5	
923		5/10/2012	13.0	6.6	3150	5.48	
923		11/26/2012	11.7	7.2	3060	23.5	
929		3/29/2012	12.5	7.5	1700	8.63	
929		9/26/2012	14.0	6.0	1840	3.77	
931		3/26/2012	12.6	6.7	2770	9.13	
931	315	11/12/2012	13.2	7.0	2450	4.92	QC DUPLICATE #315
932		5/11/2012	14.0	6.6	1620	1.47	
932		11/13/2012	13.3	7.0	1960	5.70	
941		5/9/2012	14.5	6.8	1810	2.33	
941		9/24/2012	14.3	6.8	1790	1.32	
943		3/26/2012	10.9	6.7	1478	49.7	
943		9/13/2012	11.6	6.7	1444	12.4	
944	316	3/9/2012	11.0	6.8	1250	119	QC DUPLICATE #316
944		9/11/2012	12.0	6.8	1292	155	
952	316	5/16/2012	12.4	6.5	1173	37.2	QC DUPLICATE #316
952	315	12/10/2012	10.4	7.3	1166	12.7	QC DUPLICATE #315
953		5/14/2012	13.5	6.6	2550	13.2	
953		11/19/2012	12.5	7.0	2950	14.3	
954		3/28/2012	12.4	6.7	2610	85.5	
954		9/17/2012	14.8	6.7	2630	16.3	
956		3/28/2012	12.9	6.4	2630	1000	
956		9/17/2012	15.6	6.9	2420	373	
958		1/23/2012	11.1	6.7	894	8.95	
958		4/25/2012	12.8	6.8	893	40.8	
958		7/13/2012	13.4	6.5	896	2.13	
958		10/23/2012	12.3	7.1	883	3.97	
959		5/15/2012	14.3	6.8	1540	10.0	
959		12/11/2012	12.4	6.6	1700	3.30	
960		5/15/2012	14.2	6.6	1610	3.72	
960		12/12/2012	13.0	6.6	1890	31.0	
963		1/11/2012	11.5	6.9	642	3.10	
963	315	4/12/2012	11.7	6.9	655	2.53	QC DUPLICATE #315
963	316	7/12/2012	12.8	7.1	670	2.28	QC DUPLICATE #316
963		10/9/2012	12.2	6.6	805	1.65	
964	316	1/11/2012	11.3	6.9	1770	2.20	QC DUPLICATE #316

Field Parameters Database

WELL	QC_ID	DATE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
964		4/12/2012	11.7	6.9	1820	2.04	
964		7/13/2012	12.8	6.4	1750	2.62	
964	316	10/9/2012	12.4	6.6	1680	1.11	QC DUPLICATE #316
965		5/8/2012	13.3	6.8	1840	1.56	
965		11/13/2012	13.1	7.2	1890	1.13	
966		3/21/2012	13.8	6.4	1790	3.18	
966	316	9/17/2012	14.3	6.7	2050	6.02	QC DUPLICATE #316
987	317	1/10/2012	12.4	6.7	820	14.0	QC DUPLICATE #317
987		4/11/2012	12.1	6.7	1318	7.49	
987		7/11/2012	15.1	6.5	2200	10.4	
987		10/10/2012	12.5	6.4	1840	1.67	
990		1/11/2012	11.6	6.7	775	4.20	
990		4/11/2012	10.7	6.8	748	1.61	
990		7/11/2012	12.8	6.3	797	21.8	
990		10/10/2012	13.4	6.8	949	1.37	
998		1/31/2012	12.1	7.2	1097	59.3	
998		7/23/2012	15.5	6.8	776	103	
999		1/30/2012	12.3	6.6	1189	6.32	
999	318	7/27/2012	14.9	6.7	1201	61.3	QC DUPLICATE #318
NR360		1/5/2012	13.9	7.2	3270	2.60	COMP. 612, 617, 618
NR360		2/2/2012	13.4	6.9	3270	1.34	COMP. 612, 617, 618
NR360		3/7/2012	14.0	6.9	3320	7.70	COMP. 612, 617, 618
NR360		4/5/2012	13.5	7.0	3050	0.32	COMP. 612, 617, 618
NR360		5/4/2012	13.5	6.6	3020	0.77	COMP. 612, 617, 618
NR360		6/8/2012	14.7	6.4	3080	1.28	COMP. 612, 617, 618
NR360		7/6/2012	16.4	6.9	3090	0.58	COMP. 612, 617, 618
NR360		8/8/2012	15.6	6.7	3130	1.38	COMP. 612, 617, 618
NR360		9/4/2012	17.1	6.8	3190	1.92	COMP. 612, 617, 618
NR360		10/3/2012	17.1	6.6	3090	1.04	COMP. 612, 617, 618
NR360		11/8/2012	14.4	6.8	3160	1.39	COMP. 612, 617, 618
NR360		12/10/2012	14.8	6.8	3260	0.68	COMP. 612, 617, 618

Month: 01/2012

Elevation(Ground): 166 ft. above sea level

Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)	Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute				
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
01	53	29	41	15	36	40	24	0	0722	1636	RA FG BR	M	M	M	0.14	29.77	29.89	4.0	17	4.6	25	150	16	150	01		
02	48	29	39	13	22	32	26	0	0722	1637		M	M	M	0.00	29.51	29.70	10.6	26	10.9	31	250	22	250	02		
03	30	13	22	-4	5	18	43	0	0722	1638		M	M	M	0.00	29.73	29.94	9.4	31	10.7	28	330	21	330	03		
04	25	9	17	-8	3	14	48	0	0722	1639		M	M	M	0.00	29.93	30.09	2.0	24	3.1	16	240	14	250	04		
05	40	25	33	8	16	27	32	0	0722	1640		M	M	M	0.00	29.70	29.88	5.1	25	6.5	26	290	20	290	05		
06	53	25	39	14	24	32	26	0	0722	1641		M	M	M	0.00	29.63	29.79	1.1	19	2.0	16	220	12	210	06		
07	61*	26	44	19	28	36	21	0	0722	1642	HZ	M	M	M	0.00	29.57	29.77	3.5	25	4.0	30	220	15	240	07		
08	43	22	33	8	21	31	32	0	0722	1643		M	M	M	0.00	29.95	30.16	5.3	28	5.9	21	280	16	250	08		
09	42	19	31	6	17	26	34	0	0722	1644		M	M	M	0.00	30.04	30.19	1.9	19	2.2	17	250	13	240	09		
10	46	24	35	10	23	31	30	0	0722	1645		M	M	M	0.00	29.72	29.90	4.1	26	5.1	20	280	15	270	10		
11	47	22	35	10	25	31	30	0	0721	1646	RA	M	M	M	0.03	29.83	30.00	2.7	13	3.3	17	110	13	130	11		
12	41	37	39	14	36	38	26	0	0721	1647	RA BR	M	M	M	0.44	29.45	29.59	4.0	03	5.3	26	070	17	070	12		
13	47	28	38	14	25	31	27	0	0721	1648	RA BR	M	M	M	0.03	29.25	29.45	12.3	24	14.1	41	240	29	260	13		
14	34	21	28	4	12	23	37	0	0720	1649		M	M	M	0.00	29.69	29.91	11.2	27	12.2	32	280	23	280	14		
15	22	8	15*	-9	-3	12	50	0	0720	1650		M	M	M	0.00	30.13	30.36	5.9	35	7.1	18	340	14	350	15		
16	34	5	20	-4	8	17	45	0	0720	1651	SN BR	M	M	M	0.06	30.29	30.43	3.0	18	3.2	24	190	15	170	16		
17	43	30	37	13	33	35	28	0	0719	1652	RA FZRA FG+ FG BR	M	M	M	0.14	29.68	29.80	1.6	15	2.0	12	160	8	160	17		
18	48	19	34	10	14	27	31	0	0718	1654		M	M	M	0.00	29.67	29.91	11.0	29	12.9	41	270	28	280	18		
19	31	10	21	-3	13	20	44	0	0718	1655	SN BR	M	M	M	T	29.95	30.11	1.7	18	2.3	21	170	14	180	19		
20	32	20	26	2	9	21	39	0	0717	1656		M	M	M	0.00	29.94	30.16	4.5	32	6.2	28	310	18	310	20		
21	21	15	18	-6	12	17	47	0	0717	1657	SN FZFG BR	M	M	M	0.16	30.00	30.19	7.1	01	7.2	20	010	15	020	21		
22	32	1*	17	-7	12	18	48	0	0716	1658		M	M	M	0.00	30.29	30.48	0.5	07	1.2	9	010	8	020	22		
23	49	30	40	16	35	36	25	0	0715	1660	RA FG BR	M	M	M	0.16	30.00	30.12	0.6	12	2.7	18	140	14	120	23		
24	50	37	44*	20	36	40	21	0	0715	1701		M	M	M	0.00	29.77	29.98	5.8	25	7.6	24	240	17	240	24		
25	43	33	38	14	25	32	27	0	0714	1702		M	M	M	0.00	30.04	30.22	4.0	29	4.5	18	280	14	280	25		
26	38	30	34	10	29	32	31	0	0713	1703	RA SN BR	M	M	M	0.36	29.96	30.10	0.2	36	0.5	8	160	6	350	26		
27	52	34	43	19	36	39	22	0	0712	1705	RA BR	M	M	M	0.62	29.39	29.55	5.4	28	6.0	37	270	26	280	27		
28	46	26	36	12	25	34	29	0	0711	1706		M	M	M	0.00	29.72	29.91	3.9	22	5.8	26	270	17	250	28		
29	43	31	37	13	14	30	28	0	0710	1707		M	M	M	0.00	29.88	30.05	7.3	23	8.1	24	260	18	220	29		
30	39	24	32	8	16	27	33	0	0710	1708		M	M	M	0.00	29.96	30.17	7.0	27	7.9	26	250	18	270	30		
31	56	25	41	17	24	34	24	0	0709	1710		M	M	M	0.00	29.92	30.07	2.8	22	3.6	23	220	16	220	31		
	41.6	22.8	32.2		20.4	28.4	32.5	0.0	<-----Monthly Averages Totals----->				M	M	2.14	29.82	29.99	3.1	27	5.8	<Monthly Average						
	6.2	7.1	6.6	<-----Departure From Normal----->								-0.94															
Degree Days Monthly Season to Date									Greatest 24-hr Precipitation: 0.98s Date: 26-27									Sea Level Pressure Date Time (LST)									
Total Departure Total Departure									Greatest 24-hr Snowfall: M Date: M									Maximum 30.60 16 0915									
Heating: 1008 -215 M M									Greatest Snow Depth: M Date: M									Minimum 29.18 13 0738									
Cooling: 0 0 M M									Number of Days with ----->				Max Temp >=90: 0		Min Temp <=32: 27			Precipitation >=.01 inch: 10									
											Max Temp <=32: 7		Min Temp <=0 : 0			Precipitation >=.10 inch:											
											Thunderstorms : 0		Heavy Fog : 1			Snowfall >=1.0 inch : M											
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																					Data Version: VER2						

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 02/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																					
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date						
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max									
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26							
01	61*	35	48*	24	36	43	17	0	0708	1711		M	M	M	T	29.72	29.90	4.7	24	5.6	29	240	21	250	01							
02	43	28	36	12	27	32	29	0	0707	1712		M	M	M	0.00	29.87	30.07	4.3	36	4.4	18	020	14	020	02							
03	44	21	33	8	17	28	32	0	0706	1713		M	M	M	0.00	30.17	30.36	2.5	33	4.2	16	270	12	280	03							
04	46	25	36	11	22	32	29	0	0704	1715		M	M	M	0.00	30.04	30.19	2.5	26	4.1	15	030	13	030	04							
05	39	20	30	5	16	25	35	0	0703	1716		M	M	M	0.00	29.96	30.14	2.3	36	2.5	14	320	10	300	05							
06	54	18	36	11	21	31	29	0	0702	1717		M	M	M	0.00	29.85	30.01	5.3	22	5.8	21	250	16	240	06							
07	48	23	36	11	24	32	29	0	0701	1718		M	M	M	0.00	29.86	30.07	2.8	34	3.7	18	310	14	270	07							
08	36	24	30	5	14	26	35	0	0660	1720	SN	M	M	M	T	30.06	30.21	0.6	31	1.8	13	010	8	250	08							
09	48	21	35	10	19	28	30	0	0659	1721		M	M	M	Ts	29.90	30.08	0.8	24	1.6	16	260	10	270	09							
10	45	23	34	8	20	30	31	0	0658	1722		M	M	M	0.00	29.86	30.01	5.0	23	5.6	21	250	16	240	10							
11	39	25	32	6	24	30	33	0	0656	1724	SN BR	M	M	M	0.02	29.55	29.71	6.7	36	7.1	28	010	20	020	11							
12	32	16	24*	-2	5	19	41	0	0655	1725		M	M	M	0.00	29.61	29.81	8.7	30	10.4	32	280	25	270	12							
13	45	24	35	9	14	28	30	0	0654	1726		M	M	M	0.00	29.75	29.93	10.2	25	11.0	29	270	22	260	13							
14	46	31	39	13	18	31	26	0	0652	1727	RA BR	M	M	M	0.01	29.86	30.04	2.8	22	3.2	13	200	9	210	14							
15	46	30	38	11	33	37	27	0	0651	1729	BR UP HZ	M	M	M	0.04	29.97	30.16	1.0	35	1.1	10	340	8	020	15							
16	40	24	32	5	30	32	33	0	0650	1730	RA SN BR	M	M	M	0.21	30.03	30.18	0.9	17	1.3	14	220	8	160	16							
17	50	29	40	13	29	37	25	0	0648	1731	RA BR	M	M	M	0.02	29.78	29.96	4.4	27	5.0	25	270	20	270	17							
18	45	26	36	9	24	32	29	0	0647	1732	BR	M	M	M	T	29.80	29.97	4.1	25	4.8	22	250	16	260	18							
19	45	23	34	6	20	30	31	0	0646	1734		M	M	M	0.00	29.85	30.03	5.7	02	6.6	22	020	17	040	19							
20	43	21	32	4	15	27	33	0	0644	1735		M	M	M	0.00	29.96	30.17	6.8	36	7.5	28	010	20	020	20							
21	44	16*	30	2	22	29	35	0	0643	1736		M	M	M	0.00	30.01	30.14	3.8	17	4.3	29	130	17	140	21							
22	56	34	45	17	30	39	20	0	0641	1737	UP	M	M	M	T	29.51	M	4.7	21	5.3	26	230	18	230	22							
23	53	32	43	14	30	38	22	0	0640	1738	BR	M	M	M	0.00	29.33	29.53	3.9	28	4.2	30	320	23	290	23							
24	40	32	36	7	33	34	29	0	0638	1740	RA SN FG BR	M	M	M	0.70	29.42	29.56	1.0	33	2.1	21	280	14	250	24							
25	43	31	37	8	19	31	28	0	0637	1741		M	M	M	T	29.35	29.59	16.5	27	17.2	44	250	32	260	25							
26	43	24	34	4	12	27	31	0	0635	1742		M	M	M	0.00	30.09	30.31	5.7	28	6.8	26	280	21	280	26							
27	53	19	36	6	24	33	29	0	0634	1743		M	M	M	T	30.08	30.22	2.1	18	3.2	22	200	15	200	27							
28	49	35	42	12	19	34	23	0	0632	1744		M	M	M	0.00	30.11	30.31	5.8	30	6.6	28	290	22	280	28							
29	37	32	35	5	27	31	30	0	0627	1743	RA SN FG+ FG BR	M	M	M	0.47	30.01	30.12	2.1	03	3.0	12	310	10	300	29							
	45.3	25.6	35.5		22.2	31.2	29.3	0.0	<-----Monthly Averages Totals----->				M	M	1.47	29.84	30.01	2.6	28	5.2	<Monthly Average											
	5.9	7.8	6.9	<-----Departure From Normal----->								-1.19																				
Degree Days Monthly Season to Date									Greatest 24-hr Precipitation: 0.70 Date: 24						Sea Level Pressure Date Time (LST)																	
Total Departure Total Departure									Greatest 24-hr Snowfall: M Date: M						Maximum 30.46 03 0937																	
									Greatest Snow Depth: M Date: M						Minimum 29.34 25 0141																	
Heating: 851 -168 M M									Number of Days with ----->						Max Temp >=90: 0				Min Temp <=32: 26				Precipitation >=.01 inch: 7									
Cooling: 0 0 M M															Max Temp <=32: 1				Min Temp <=0 : 0				Precipitation >=.10 inch:									
																					Thunderstorms : 0				Heavy Fog : 1				Snowfall >=1.0 inch : M			
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																					Data Version: VER2											

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 03/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																							
D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In) Precipitation (In)				Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								D a t e								
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max											
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26									
01	36	33	35	4	32	34	30	0	0631	1746	RA BR UP	M	M	M	0.20	29.59	29.78	2.6	34	2.9	13	300	9	300	01									
02	38	31	35	4	28	32	30	0	0629	1747	RA BR	M	M	M	0.19	29.86	30.01	4.6	13	5.5	17	140	12	130	02									
03	58	36	47	15	30	38	18	0	0628	1748	BR	M	M	M	0.07	29.39	29.54	5.3	26	6.6	32	250	25	250	03									
04	45	29	37	5	18	31	28	0	0626	1749		M	M	M	0.00	29.47	29.64	5.6	27	6.4	26	290	18	290	04									
05	40	25	33	1	7	25	32	0	0624	1750		M	M	M	0.00	29.78	30.03	8.3	29	9.2	24	240	18	250	05									
06	43	15*	29*	-4	11	25	36	0	0623	1751		M	M	M	0.00	30.32	30.53	1.6	17	2.5	17	230	13	310	06									
07	62	27	45	12	27	39	20	0	0621	1753		M	M	M	0.00	30.24	30.39	5.7	18	6.3	23	230	15	170	07									
08	71	36	54	20	43	51	11	0	0619	1754	RA	M	M	M	0.00	29.90	30.01	8.9	20	9.4	30	200	20	190	08									
09	65s	32	M	M	23	34	M	M	0618	1755	RA	M	M	M	0.15	29.86	30.07	8.3	30	9.3	33	300	24	280	09									
10	42	26	34	0	12	27	31	0	0616	1756		M	M	M	0.00	30.23	30.43	5.7	31	6.7	30	290	21	300	10									
11	63	23	43	8	21	M	22	0	0615	1757		M	M	M	0.00	30.22	M	5.6	22	5.9	25	250	16	240	11									
12	72	37	55	20	31	M	10	0	0613	1758		M	M	M	0.00	30.02	M	2.3	20	3.3	20	240	13	240	12									
13	76	51	64	29	46	53	1	0	0611	1759		M	M	M	T	29.79	29.94	3.5	20	4.6	23	250	17	250	13									
14	68	39	54	18	31	44	11	0	0610	1801	BR	M	M	M	0.00	29.88	30.08	3.9	29	4.7	25	260	20	260	14									
15	55	34	45	9	37	41	20	0	0608	1802		M	M	M	0.00	30.09	30.26	2.6	15	4.0	17	230	13	240	15									
16	54	40	47	11	41	43	18	0	0606	1803	RA BR	M	M	M	0.04	30.01	30.17	2.1	17	2.6	12	170	8	160	16									
17	67	37	52	15	42	46	13	0	0604	1804	FG+ FG BR	M	M	M	0.00	30.09	30.28	1.7	16	2.6	16	190	10	180	17									
18	73	42	58	21	46	50	7	0	0603	1805	BR HZ	M	M	M	0.00	30.09	30.24	3.5	21	4.5	15	210	13	220	18									
19	79	42	61	24	49	54	4	0	0601	1806	BR HZ	M	M	M	0.00	29.98	30.15	0.9	23	1.7	15	190	8	190	19									
20	77	46	62	24	50	55	3	0	0559	1807		M	M	M	0.00	30.07	30.25	1.7	20	2.6	17	250	14	250	20									
21	72	50	61	23	55	58	4	0	0558	1808	BR	M	M	M	0.00	30.12	30.28	1.5	19	2.2	12	210	10	230	21									
22	79*	49	64*	26	53	58	1	0	0556	1810	FG+ FG BR	M	M	M	0.00	29.98	30.13	1.7	21	2.4	15	220	10	210	22									
23	75	51	63	24	46	54	2	0	0554	1811	BR	M	M	M	0.00	29.89	30.05	3.3	36	4.0	18	360	14	010	23									
24	65	51	58	19	26	44	7	0	0553	1812	RA	M	M	M	T	29.87	30.03	2.7	10	5.0	17	140	13	140	24									
25	56	43	50	10	35	43	15	0	0551	1813	RA	M	M	M	T	29.68	29.82	1.3	04	2.6	17	160	12	170	25									
26	52	32	42	2	18	34	23	0	0549	1814		M	M	M	0.00	29.65	29.86	11.0	33	11.1	37	330	26	320	26									
27	49	27	38	-2	4	28	27	0	0548	1815		M	M	M	0.00	30.02	30.20	4.5	34	6.1	21	310	15	310	27									
28	64	35	50	9	31	42	15	0	0546	1816	TSRA RA BR	M	M	M	0.28	29.63	29.73	2.1	15	4.7	15	140	10	350	28									
29	56	42	49	8	32	41	16	0	0544	1817	RA	M	M	M	0.01	29.58	29.79	11.2	32	11.6	29	300	21	320	29									
30	54	31	43	2	19	36	22	0	0542	1818	RA	M	M	M	0.04	29.83	30.00	2.1	35	4.6	18	330	14	340	30									
31	44	37	41	-1	35	38	24	0	0541	1819	RA BR	M	M	M	0.21	29.75	29.91	3.0	03	3.6	14	080	9	360	31									
	59.7s	36.4s	48.1s		31.6	41.3	16.7	0.0	<-----Monthly Averages Totals----->				M	M	1.19	29.90	30.10	1.6	27	5.1	<Monthly Average													
	11.6	10.9	11.3		<-----Departure From Normal----->								-2.38																					
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 501 -373 M M Cooling: 0 0 M M									Greatest 24-hr Precipitation: 0.65s Date: 01 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M						Sea Level Pressure Date Time (LST) Maximum 30.61 06 1143 Minimum 29.40 03 1633						Precipitation >=.01 inch: 9 Precipitation >=.10 inch: Snowfall >=1.0 inch : M													
															Number of Days with ----->												Max Temp >=90: 0 Min Temp <=32: 11 Thunderstorms : 1		Heavy Fog : 2					
															* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.												Data Version: VER2							

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 04/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																											
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date												
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max															
												Depth	Water Equiv	Snow Fall	Water Equiv						5-second Speed	Dir	2-minute Speed	Dir														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26													
01	50	40	45	3	38	42	20	0	0539	1821	RA BR	M	M	M	0.26	29.60	29.75	1.5	24	2.3	14	160	9	240	01													
02	56	35	46	4	26	38	19	0	0537	1822		M	M	M	0.00	29.55	29.75	7.1	34	8.4	31	020	23	360	02													
03	64	26	45	2	18	36	20	0	0536	1823	RA	M	M	M	0.00	29.67	29.82	2.3	35	3.4	21	360	13	360	03													
04	65	38	52	9	26	41	13	0	0534	1824		M	M	M	T	29.47	29.64	6.7	33	7.0	35	330	25	330	04													
05	54	29	42	-2	25	36	23	0	0532	1825		M	M	M	0.00	29.64	29.83	5.1	01	6.1	31	360	16	030	05													
06	56	26*	41*	-3	21	35	24	0	0531	1826		M	M	M	0.00	29.78	29.96	5.5	35	6.3	24	020	18	010	06													
07	60	27	44	0	20	36	21	0	0529	1827		M	M	M	0.00	29.83	30.00	5.7	33	6.3	26	010	20	320	07													
08	65	30	48	3	24	40	17	0	0527	1828		M	M	M	0.00	29.64	29.77	4.8	31	5.9	29	290	23	290	08													
09	60	45	53	8	22	40	12	0	0526	1829		M	M	M	0.00	29.47	29.62	10.9	27	11.5	35	280	24	290	09													
10	61	38	50	5	27	41	15	0	0524	1830		M	M	M	T	29.49	29.67	6.2	25	7.6	32	250	25	260	10													
11	54	41	48	2	30	40	17	0	0523	1831		M	M	M	0.00	29.64	29.82	4.0	33	4.4	17	330	13	360	11													
12	60	33	47	1	31	40	18	0	0521	1833		M	M	M	0.00	29.80	30.00	5.8	35	5.9	28	020	23	020	12													
13	65	30	48	2	28	40	17	0	0519	1834		M	M	M	0.00	29.96	30.13	1.6	29	2.3	17	260	13	010	13													
14	72	31	52	5	29	44	13	0	0518	1835		M	M	M	T	29.93	30.08	3.2	23	4.1	21	220	15	260	14													
15	74	56	65	18	51	57	0	0	0516	1836	RA	M	M	M	T	29.80	29.96	5.3	24	5.8	18	220	15	240	15													
16	91*	52	72*	24	52	60	0	7	0515	1837	BR	M	M	M	0.00	29.75	29.91	3.3	19	4.6	25	170	17	180	16													
17	78	51	65	17	40	53	0	0	0513	1838		M	M	M	0.00	29.86	30.06	5.8	01	6.7	21	010	16	010	17													
18	58	43	51	3	31	42	14	0	0512	1839		M	M	M	0.00	30.03	30.18	4.7	01	5.1	21	040	16	020	18													
19	74	38	56	7	38	48	9	0	0510	1840		M	M	M	0.00	29.86	30.02	2.1	17	3.4	17	250	12	270	19													
20	76	44	60	11	45	53	5	0	0509	1841	BR	M	M	M	0.00	29.77	29.92	4.5	17	5.1	26	140	17	170	20													
21	79	48	64	15	52	57	1	0	0507	1842	RA	M	M	M	0.15	29.56	29.72	3.2	17	8.6	31	020	22	010	21													
22	49	41	45	-5	40	42	20	0	0506	1843	RA BR	M	M	M	1.30	29.57	29.71	10.1	01	10.2	26	360	20	020	22													
23	57	41	49	-1	41	44	16	0	0504	1845	RA BR	M	M	M	0.31	29.10	29.26	0.2	22	6.8	22	140	15	180	23													
24	59	38	49	-2	30	41	16	0	0503	1846		M	M	M	0.04	29.29	29.50	8.4	22	9.3	32	240	22	240	24													
25	60	33	47	-4	31	40	18	0	0501	1847		M	M	M	T	29.59	29.79	2.4	27	4.1	22	190	14	190	25													
26	63	32s	M	M	40	44	M	M	0460	1848	RA BR	M	M	M	0.00s	29.62	29.75	2.1	15	5.0	18	150	13	200	26													
27	55	31	43	-9	28	38	22	0	0458	1849		M	M	M	T	29.66	29.88	11.3	29	12.2	33	250	28	260	27													
28	61	29	45	-7	21	37	20	0	0457	1850		M	M	M	0.00	29.95	30.12	3.0	27	4.7	20	310	15	240	28													
29	62	29	46	-6	20	37	19	0	0456	1851		M	M	M	0.00	29.96	30.14	4.5	32	5.2	29	340	22	340	29													
30	65	28	47	-6	26	40	18	0	0454	1852		M	M	M	T	30.07	30.24	2.2	20	3.8	22	170	14	170	30													
												63.4	36.7	50.1			31.7	42.7	14.7	0.2	<-----Monthly Averages Totals----->						M	M	2.09s	29.70	29.86	2.4	30	6.1	<Monthly Average			
												2.6	0.1	1.4	<-----Departure From Normal----->										-1.69													
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 427 -67 M M Cooling: 7 2 M M									Greatest 24-hr Precipitation: 1.60s Date: 22-23 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M									Sea Level Pressure Date Time (LST) Maximum 30.35 30 0815 Minimum 29.18 23 0834																				
												Number of Days with ----->				Max Temp >=90: 1				Min Temp <=32: 12				Precipitation >=.01 inch: 7s														
																Max Temp <=32: 0				Min Temp <=0 : 0				Precipitation >=.10 inch:														
																Thunderstorms : 0				Heavy Fog : 0				Snowfall >=1.0 inch : M														
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																				Data Version: VER2																		

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 05/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																	
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max					
												Depth	Water Equip	Snow Fall	Water Equip						Speed	Dir	Speed	Dir				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
01	66	50	58	5	49	52	7	0	0453	1853	RA BR	M	M	M	0.20	29.85	30.02	1.5	12	2.8	23	080	10	150	01			
02	55	51	53*	-1	46	49	12	0	0452	1854	RA BR	M	M	M	0.02	29.96	30.13	2.7	12	3.4	13	140	9	130	02			
03	60	50	55	1	51	53	10	0	0450	1855	RA BR	M	M	M	0.28	29.93	30.09	3.7	15	4.0	14	120	10	140	03			
04	80	53	67	13	58	60	0	2	0449	1856	RA BR VCTS	M	M	M	0.39	29.77	29.91	0.9	22	3.3	77s	330	14	120	04			
05	71	54	63	8	52	57	2	0	0448	1858	BR	M	M	M	0.00	29.76	29.95	3.1	03	4.1	31s	350	15	040	05			
06	69	47	58	3	44	51	7	0	0447	1859		M	M	M	T	29.88	30.05	1.0	20	3.4	14	250	10	240	06			
07	68	46	57	2	46	52	8	0	0445	1860	RA	M	M	M	0.02	29.91	30.08	3.1	19	4.3	17	190	12	170	07			
08	63	54	59	3	51	54	6	0	0444	1901	RA BR	M	M	M	0.16	29.75	29.90	3.4	15	4.0	18	180	13	160	08			
09	74	59	67	11	58	61	0	2	0443	1901	RA BR	M	M	M	0.03	29.52	29.66	1.8	20	2.3	23	320	8	180	09			
10	64	46	55	-2	43	50	10	0	0442	1902	RA BR	M	M	M	0.25	29.42	29.60	7.8	28	8.2	32	290	24	290	10			
11	69	42	56	-1	33	46	9	0	0441	1903		M	M	M	0.00	29.73	29.94	4.7	27	6.6	25	280	20	280	11			
12	80	38*	59	2	40	50	6	0	0440	1904		M	M	M	0.00	29.96	30.13	3.0	23	3.5	20	260	14	230	12			
13	82	50	66	8	50	57	0	1	0439	1905		M	M	M	0.00	29.93	30.09	2.6	24	2.9	18	230	15	240	13			
14	73	61	67	9	58	61	0	2	0438	1906	RA BR	M	M	M	0.38	29.93	30.10	0.4	18	1.0	28s	190	18	180	14			
15	68	61	65	7	60	61	0	0	0437	1907	RA BR	M	M	M	0.25	29.85	29.99	2.5	13	2.6	13	150	9	130	15			
16	80	62	71	13	60	64	0	6	0436	1908	BR	M	M	M	Ts	29.68	29.85	1.1	18	3.6	17	020	12	010	16			
17	71	45	58	-1	40	50	7	0	0435	1909		M	M	M	0.01	29.88	30.07	3.7	01	5.0	23	010	18	010	17			
18	76	40	58	-1	41	50	7	0	0434	1910		M	M	M	0.00	30.00	30.17	0.4	28	1.2	14	330	9	310	18			
19	83	44	64	4	47	55	1	0	0433	1911		M	M	M	0.00	29.96	30.13	0.8	31	1.4	15	320	10	310	19			
20	84	50	67	7	46	56	0	2	0432	1912		M	M	M	0.00	30.02	30.20	2.7	14	3.2	20	140	14	140	20			
21	67	50	59	-1	55	58	6	0	0431	1913	RA BR	M	M	M	0.87	29.96	30.11	1.5	04	2.3	17	350	9	150	21			
22	72	62	67	6	63	64	0	2	0430	1914	RA BR	M	M	M	0.16	29.71	29.86	2.1	36	2.6	9	010	7	010	22			
23	78	63	71	10	64	66	0	6	0430	1915	RA BR	M	M	M	0.01	29.73	29.92	1.3	14	1.9	14	070	10	080	23			
24	75	61	68	7	62	64	0	3	0429	1916	RA	M	M	M	T	29.95	30.13	M	M	3.5	26	180	12	140	24			
25	77	62	70	9	63	66	0	5	0428	1917	RA	M	M	M	T	29.98	30.14	3.2	18	3.9	20	180	13	170	25			
26	87	63	75	13	66	69	0	10	0427	1917	TS BR HZ	M	M	M	0.00	29.91	30.08	1.5	24	2.3	13	250	10	230	26			
27	83	61	72	10	61	65	0	7	0427	1918	RA FG BR	M	M	M	1.28	29.93	30.07	1.2	19	3.1	14	170	10	240	27			
28	90	65	78	16	68	71	0	13	0426	1919	BR HZ	M	M	M	0.00	29.75	29.91	1.2	19	1.7	10	210	7	150	28			
29	92*	68	80*	18	68	71	0	15	0426	1920	RA BR	M	M	M	0.29	29.61	29.75	2.1	18	3.8	33	300	21	330	29			
30	82	66	74	11	63	67	0	9	0425	1921	RA	M	M	M	T	29.55	29.71	1.2	19	3.0	16	140	12	180	30			
31	80	55	68	5	52	59	0	3	0425	1922		M	M	M	0.00	29.63	29.81	3.3	35	3.9	17	260	13	020	31			
	74.8	54.2	64.5		53.5	58.4	3.2	2.8	<-----Monthly Averages Totals----->				M	M	4.61	29.82	29.99	0.7	20	3.3	<Monthly Average							
	3.5	7.9	5.7	<-----Departure From Normal----->								0.20																
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 98 -125 M M Cooling: 88 57 M M									Greatest 24-hr Precipitation: 1.29 Date: 27-28 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M										Sea Level Pressure Date Time (LST) Maximum 30.25 20 2135 Minimum 29.49 10 0539									
									Number of Days with ----->										Max Temp >=90: 2 Min Temp <=32: 0 Precipitation >=.01 inch: 17s Max Temp <=32: 0 Min Temp <=0 : 0 Precipitation >=.10 inch: Thunderstorms : 1 Heavy Fog : 0 Snowfall >=1.0 inch : M									
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																						Data Version: VER2						

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL
DATA

(final)

NOAA, National Climatic Data Center

Month: 06/2012

Station Location: DUTCHESS COUNTY AIRPORT (14757)

POUGHKEEPSIE, NY

Lat. 41.626 Lon. -73.884

Elevation(Ground): 166 ft. above sea level

D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								D a t e				
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max							
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
01	75	50	63	0	51	56	2	0	0424	1922	RA	M	M	M	T	29.79	29.94	6.6	12	7.4	24	100	17	110	01					
02	75	56	66	2	57	60	0	1	0424	1923	RA BR	M	M	M	0.25	29.53	29.69	1.2	32	4.0	26	130	18	100	02					
03	76	49	63	-1	51	56	2	0	0423	1924		M	M	M	0.02	29.52	29.67	2.2	26	3.3	46s	260	30s	260	03					
04	64	51	58	-7	M	M	7	0	0423	1925	RA	M	M	M	0.13	29.51	29.69	3.9	02	4.2	21	020	16	020	04					
05	66	50	58*	-7	M	M	7	0	0422	1925	RA	M	M	M	0.01	29.70	29.87	4.2	36	4.5	20	040	15	050	05					
06	70	47*	59	-6	51	55	6	0	0422	1926	RA FG+ BR	M	M	M	0.06	29.78	29.95	0.5	32	1.7	18	330	14	320	06					
07	76	52	64	-1	53	56	1	0	0422	1927	RA FG+	M	M	M	0.14	29.78	29.94	0.5	24	1.6	24	290	18	290	07					
08	80	49	65	0	55	59	0	0	0422	1927	TS TSRA RA BR	M	M	M	0.07	29.70	29.86	0.8	30	2.7	29	360	20	360	08					
09	73	56	65	0	59	62	0	0	0421	1928	RA	M	M	M	0.06	29.72	29.90	0.7	25	1.6	13	010	10	010	09					
10	86	59	73	7	62	66	0	8	0421	1928	RA BR	M	M	M	T	29.86	30.05	1.1	13	2.0	15	140	10	140	10					
11	78	60	69	3	58	63	0	4	0421	1929		M	M	M	0.01	30.02	30.19	5.4	14	6.1	21	120	14	150	11					
12	72	60	66	0	62	64	0	1	0421	1930	RA BR	M	M	M	0.34	29.86	30.00	3.1	16	3.6	15	140	10	140	12					
13	79	59	69	3	58	63	0	4	0421	1930	RA BR	M	M	M	0.13	29.77	29.96	5.3	01	5.6	25	030	20	030	13					
14	80	57	69	2	56	61	0	4	0421	1930		M	M	M	0.00	29.99	30.18	3.0	03	4.0	16	020	12	360	14					
15	81	57	69	2	54	60	0	4	0421	1931		M	M	M	0.00	30.08	30.25	1.8	06	2.9	17	020	13	010	15					
16	82	52	67	0	54	60	0	2	0421	1931		M	M	M	0.00	30.09	30.25	1.3	16	2.5	15	140	10	160	16					
17	74	57	66	-1	55	60	0	1	0421	1932		M	M	M	0.00	29.98	30.14	2.9	15	3.9	17	150	12	150	17					
18	73	53	63	-4	53	57	2	0	0421	1932		M	M	M	0.00	29.93	30.10	3.1	16	4.1	14	190	9	150	18					
19	79	61	70	2	61	65	0	5	0421	1932		M	M	M	0.00	29.93	30.08	3.1	21	3.8	15	250	13	240	19					
20	96	66	81	13	71	74	0	16	0421	1933	BR HZ	M	M	M	0.00	29.82	29.97	2.4	22	3.1	15	230	12	230	20					
21	96	70	83*	15	68	73	0	18	0421	1933	BR	M	M	M	0.00	29.67	29.83	2.1	24	2.4	20	240	13	240	21					
22	91	69	80	12	69	71	0	15	0422	1933	TSRA BR HZ	M	M	M	0.39	29.59	29.77	1.1	02	2.6	29	030	21	030	22					
23	85	58	72	4	59	64	0	7	0422	1933	BR	M	M	M	0.03	29.69	29.87	2.2	32	3.6	32	030	25	030	23					
24	82	55	69	1	57	62	0	4	0422	1933		M	M	M	0.01	29.78	29.93	0.6	18	1.3	26s	330	9	250	24					
25	77	54	66	-3	60	62	0	1	0423	1934	RA BR	M	M	M	1.35	29.56	29.72	0.7	14	2.5	79s	330	23	330	25					
26	71	50	61	-8	51	56	4	0	0423	1934		M	M	M	0.01s	29.53	29.69	5.8	31	6.6	31	330	21	290	26					
27	83	58	71	1	47	58	0	6	0423	1934		M	M	M	0.00	29.54	29.71	5.4	27	7.4	31	290	18	290	27					
28	89	55	72	2	57	63	0	7	0424	1934		M	M	M	0.00	29.59	29.74	3.0	23	3.4	25	320	13	240	28					
29	96*	68	82	12	67	71	0	17	0424	1934	TSRA	M	M	M	0.05	29.47	29.63	2.9	24	3.9	52s	270	18	230	29					
30	93	63	78	8	61	68	0	13	0425	1934		M	M	M	0.00	29.54	29.71	3.8	24	4.7	26	330	15	270	30					
	79.9	56.7	68.3		57.8	62.3	1.0	4.6	<-----Monthly Averages Totals----->										M	M	3.06	29.75	29.91	0.4	24	3.7	<Monthly Average			
	0.4	1.0	0.7		<-----Departure From Normal----->										-1.37															

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 31 -18 M M Cooling: 138 11 M M				Greatest 24-hr Precipitation: 1.36 Date: 25-26				Sea Level Pressure Date Time (LST)					
				Greatest 24-hr Snowfall: M Date: M				Maximum 30.33 16 0805					
				Greatest Snow Depth: M Date: M				Minimum 29.57 29 1802					
				Number of Days with ----->				Max Temp >=90: 5		Min Temp <=32: 0		Precipitation >=.01 inch: 15s	
								Max Temp <=32: 0		Min Temp <=0 : 0		Precipitation >=.10 inch:	
								Thunderstorms : 4		Heavy Fog : 2		Snowfall >=1.0 inch : M	
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.												Data Version: VER2	

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 07/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																				
D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								D a t e					
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max								
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	5-second	2-minute							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26						
01	93	63	78	8	63	68	0	13	0425	1934	RA RA BR BR	M	M	M	0.00	29.61	29.79	3.3	27	3.9	23	200	17	240	01						
02	87	59	73	3	57	64	0	8	0426	1934		M	M	M	0.00	29.72	29.88	M	M	3.0	16	350	13	310	02						
03	89	59	74	4	60	66	0	9	0426	1933		M	M	M	T	29.72	29.87	0.3	24	0.7	15	210	9	230	03						
04	92	70	81	10	68	72	0	16	0427	1933	RA BR	M	M	M	0.03	29.59	29.75	2.0	22	2.4	24	250	18	270	04						
05	88	66	77	6	66	70	0	12	0427	1933	BR	M	M	M	0.00	29.59	M	3.1	02	3.5	26	340	13	020	05						
06	91	61	76	5	62	68	0	11	0428	1933	RA BR BR	M	M	M	0.00	29.70	29.87	0.5	16	1.2	20	100	8	250	06						
07	89	66	78	7	68	71	0	13	0428	1932		M	M	M	0.02	29.66	29.81	1.5	25	2.2	24	320	15	330	07						
08	92	64	78	7	62	M	0	13	0429	1932		M	M	M	0.00	M	M	1.1	27	2.2	14	210	10	210	08						
09	87	58	73	2	56	M	0	8	0430	1932	RA RA RA	M	M	M	0.00	29.76	M	1.3	33	1.8	15	290	12	280	09						
10	88	54*	71	-1	55	62	0	6	0430	1931		0	M	M	0.01	29.85	30.02	0.4	18	2.1	28s	090	15	300	10						
11	88	61	75	3	61	66	0	10	0431	1931		0	M	0.0	0.00	29.95	30.12	0.8	18	2.4	16	270	9	180	11						
12	92	62	77	5	60	66	0	12	0432	1930	RA RA TSRA RA BR	0	M	M	0.00	29.98	30.14	1.9	17	3.3	16	190	12	180	12						
13	93	65	79	7	63	69	0	14	0433	1930		0	M	M	0.00	29.98	30.14	2.1	19	2.6	13	150	9	240	13						
14	91	70	81	9	64	70	0	16	0433	1929		0	M	M	T	29.96	30.13	2.4	19	3.6	14	200	10	250	14						
15	88	68	78	6	68	71	0	13	0434	1929	TSRA RA BR	M	M	M	1.18	29.86	30.00	1.7	17	2.9	15	100	14	100	15						
16	90	68	79	7	69	72	0	14	0435	1928	BR	M	M	M	0.00	29.67	29.82	1.5	26	2.6	15	250	12	260	16						
17	96	68	82	10	66	72	0	17	0436	1928	BR	M	M	M	T	29.60	29.75	5.2	21	5.6	24	230	16	230	17						
18	96*	75	86*	14	72	75	0	21	0437	1927	TS TSRA RA BR	M	M	M	0.40	29.60	29.79	1.3	18	3.1	18	240	15	240	18						
19	80	67	74	2	61	66	0	9	0438	1926	RA	M	M	M	0.01	29.76	29.94	0.4	22	3.4	15	360	12	030	19						
20	69	62	66*	-6	61	63	0	1	0438	1926	RA BR	0	M	M	0.50	29.85	30.02	2.0	03	2.6	16	090	10	090	20						
21	81	62	72	-1	56	62	0	7	0439	1925	BR	0	M	0.0	0.00	29.89	30.06	0.5	18	2.3	17	150	8	250	21						
22	84	59	72	-1	60	65	0	7	0440	1924	RA BR	0	M	M	T	29.93	30.10	2.5	21	3.9	17	220	12	230	22						
23	86	67	77	4	67	70	0	12	0441	1923		0	M	M	0.11	29.80	29.93	2.8	22	2.9	M	12	240	23							
24	90	68	79	6	64	69	0	14	0442	1922		M	M	M	T	29.49	29.66	4.7	31	8.1	26	360	21	030	24						
25	85	56	71	-2	56	62	0	6	0443	1921	TSRA RA FG BR	M	M	M	0.00	29.65	29.82	1.0	34	2.6	17	330	13	330	25						
26	89	65	77	4	67	69	0	12	0444	1920		M	M	M	0.95	29.53	29.68	3.5	20	4.0	45	250	36	250	26						
27	88	71	80	7	69	72	0	15	0445	1920		M	M	M	0.01	29.57	29.75	1.9	25	4.4	16	240	12	240	27						
28	78	68	73	0	68	70	0	8	0446	1919	TSRA RA BR	M	M	M	0.83	29.74	29.90	0.8	32	1.4	26	350	20	340	28						
29	79	64	72	-1	65	67	0	7	0447	1918	RA	M	M	M	0.02	29.80	29.98	1.9	36	2.1	24	080	12	020	29						
30	82	62	72	-1	64	67	0	7	0448	1917	RA	M	M	M	T	29.90	30.06	1.5	15	2.4	14	140	10	120	30						
31	79	66	73	1	63	67	0	8	0449	1916		M	M	M	0.00	29.83	29.98	1.3	13	2.4	14	090	10	130	31						
	87.1	64.3	75.7		63.3	68.0	0.0	10.9	<-----Monthly Averages Totals----->			M	M	4.91s		29.75	29.91	0.8	23	3.0	<Monthly Average										
	2.7	3.5	3.1		<-----Departure From Normal----->											0.26															
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 0 -5 M M Cooling: 339 99 M M										Greatest 24-hr Precipitation: 1.18 Date: 15 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M										Sea Level Pressure Date Time (LST) Maximum 30.18 14 0843 Minimum 29.55 26 1738											
										Number of Days with ----->										Max Temp >=90: 11 Max Temp <=32: 0 Thunderstorms : 5		Min Temp <=32: 0 Min Temp <=0 : 0 Heavy Fog : 0					Precipitation >=.01 inch: 12 Precipitation >=.10 inch: Snowfall >=1.0 inch : M				
																				* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.											

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 08/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute				
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
01	84	67	76	4	66	69	0	11	0450	1914	BR HZ VCTS	M	M	M	0.05	29.69	29.85	1.7	18	2.9	17	150	13	150	01		
02	89	64	77	5	66	69	0	12	0451	1913	BR	M	M	M	0.00	29.68	29.85	0.8	23	2.0	15	210	10	230	02		
03	91	66	79	7	68	72	0	14	0452	1912	BR	M	M	M	0.00	29.80	29.98	1.5	22	2.3	16	240	13	240	03		
04	92*	70	81	9	70	73	0	16	0453	1911	BR	M	M	M	0.00	29.96	30.13	2.6	16	3.1	18	170	13	220	04		
05	88	73	81*	9	72	74	0	16	0454	1910	RA BR	M	M	M	0.99	29.88	30.02	4.2	19	5.3	35	270	28	270	05		
06	83	62	73	1	63	67	0	8	0455	1909	BR	M	M	M	0.00	29.80	29.98	2.3	30	3.4	17	170	14	270	06		
07	83	58	71	-1	60	64	0	6	0456	1907	BR	M	M	M	0.00	29.81	29.97	0.3	18	1.1	14	160	9	250	07		
08	88	62	75	3	64	69	0	10	0457	1906		M	M	M	0.00	29.78	29.94	1.2	17	2.3	10	170	9	240	08		
09	89	68	79	7	68	70	0	14	0458	1905	BR	M	M	M	0.28	29.73	29.89	1.0	21	3.0	26	260	21	260	09		
10	80	69	75	3	70	71	0	10	0459	1904	TSRA RA BR HZ	M	M	M	0.66	29.65	29.80	0.6	31	1.5	16	240	12	240	10		
11	85	67	76	4	70	72	0	11	0460	1902	RA BR	M	M	M	0.04	29.65	29.82	3.0	17	3.5	22	140	16	140	11		
12	85	64	75	3	64	68	0	10	0501	1860	BR	M	M	M	T	29.72	29.89	3.2	23	3.6	18	250	15	250	12		
13	84	62	73	1	62	66	0	8	0502	1858		M	M	M	0.00	29.77	29.94	1.3	24	2.3	15	310	12	280	13		
14	80	62	71	0	65	67	0	6	0503	1857	RA BR	M	M	M	0.02	29.75	29.91	M	M	0.0	9	110	6	170	14		
15	83	65	74	3	65	68	0	9	0504	1855	RA BR VCTS	M	M	M	0.22	29.68	29.85	1.9	01	3.0	21	350	16	330	15		
16	84	62	73	2	61	66	0	8	0505	1854	BR	M	M	M	0.00	29.70	29.86	1.0	27	2.1	18	290	10	240	16		
17	86	60	73	2	64	67	0	8	0506	1853	RA BR	M	M	M	0.13	29.66	29.81	2.8	23	3.2	20	240	15	240	17		
18	78	56	67	-4	59	63	0	2	0507	1851	RA BR	M	M	M	0.19	29.70	29.88	1.7	03	2.2	14	360	10	360	18		
19	75	51	63*	-7	54	58	2	0	0508	1850		M	M	M	0.00	29.78	29.94	0.3	28	0.9	14	070	7	010	19		
20	79	55	67	-3	59	62	0	2	0509	1848	RA BR	M	M	M	0.46	29.72	29.88	0.3	30	0.9	15	320	10	310	20		
21	80	60	70	1	59	63	0	5	0510	1847	FG+ BR	M	M	M	0.01	29.83	30.01	0.7	31	1.5	17	120	10	240	21		
22	82	58	70	1	59	63	0	5	0511	1845		M	M	M	0.00	29.93	30.10	0.5	24	1.0	22	150	8	220	22		
23	85	59	72	3	60	65	0	7	0512	1844	BR	M	M	M	0.00	29.94	30.11	1.3	24	1.6	13	240	10	250	23		
24	86	59	73	4	60	65	0	8	0513	1842	BR	M	M	M	0.00	29.98	30.15	0.5	24	0.6	8	010	6	360	24		
25	M	62	M	M	62	68	M	M	0514	1840	BR	M	M	M	0.00	30.06	30.24	1.2	13	1.8	13	130	9	130	25		
26	83s	63	M	M	58	65	M	M	0515	1839		M	M	M	0.00	30.09	30.25	1.3	14	1.7	16	140	9	150	26		
27	84	62	73	5	66	69	0	8	0516	1837	RA BR	M	M	M	0.36	29.92	30.05	2.6	19	3.0	20	210	12	190	27		
28	85	61	73	5	65	68	0	8	0517	1836	RA BR	M	M	M	0.18	29.66	29.83	1.9	31	3.8	17	360	13	360	28		
29	77	55	66	-2	52	58	0	1	0518	1834		M	M	M	0.00	29.79	29.97	2.0	36	3.1	18	310	13	350	29		
30	80	49*	65	-3	53	58	0	0	0519	1832		M	M	M	0.00	29.88	30.04	2.0	22	2.5	15	240	12	240	30		
31	90	56	73	6	58	64	0	8	0520	1831		M	M	M	0.00	29.79	29.94	5.8	23	6.5	20	250	15	260	31		
	85.2	61.5	73.4		62.6	66.5	M	M	<-----Monthly Averages Totals----->				M	M	3.60	29.80	29.96	0.9	22	2.4	<Monthly Average						
	2.6	1.9	2.3		<-----Departure From Normal----->											-0.60											
Degree Days Monthly Season to Date Total Departure Total Departure Heating: M M M M Cooling: M M M M									Greatest 24-hr Precipitation: 0.99 Date: 05 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M						Sea Level Pressure Date Time (LST) Maximum 30.32 26 0926 Minimum 29.74 17 1539												
									Number of Days with ----->						Max Temp >=90: 5s Max Temp <=32: 0 Thunderstorms : 1		Min Temp <=32: 0 Min Temp <=0 : 0 Heavy Fog : 1				Precipitation >=.01 inch: 14s Precipitation >=.10 inch: Snowfall >=1.0 inch : M						
																									Data Version: VER2		
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																											

Month: 09/2012

Elevation(Ground): 166 ft. above sea level

Degree Days	Monthly		Season to Date		Greatest 24-hr Precipitation: 2.39s Date: 18-19				Sea Level Pressure Date Time (LST)				
	Total Departure		Total Departure		Greatest 24-hr Snowfall: M Date: M								
					Greatest Snow Depth: M Date: M				Maximum 30.36 12 0859				
									Minimum 29.51 08 1614				
	Heating:	98	-25	M	M								
	Cooling:	78	14	M	M								
					Number of Days with ----->		Max Temp >=90: 0	Min Temp <=32: 0	Precipitation >=.01 inch: 13s				
							Max Temp <=32: 0	Min Temp <=0 : 0	Precipitation >=.10 inch:				
							Thunderstorms : 0	Heavy Fog : 3	Snowfall >=1.0 inch : M				

Data Version:
VER2

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 10/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																		
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees								Date			
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute						
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed	Dir					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
01	68	50	59	3	48	52	6	0	0552	1738		M	M	M	0.00	29.66	29.85	5.4	23	6.0	24	230	16	220	01				
02	64	52	58	3	56	57	7	0	0553	1736	RA BR	M	M	M	0.78	29.82	29.99	0.4	36	0.9	7	350	7	330	02				
03	69	60	65	10	63	64	0	0	0554	1734	RA BR	M	M	M	0.02	29.86	30.04	0.3	26	0.4	85s	090	5	280	03				
04	73	63	68	13	66	67	0	3	0555	1733	RA FG+ FG BR	M	M	M	0.81	29.91	30.06	0.2	18	0.7	14	290	10	280	04				
05	78*	58	68*	14	59	61	0	3	0556	1731	FG BR	M	M	M	0.00	29.83	29.97	1.1	20	M	M	M	M	M	05				
06	75	44	60	6	51	55	5	0	0557	1729	BR	M	M	M	0.00	29.66	29.84	2.8	26	4.7	24	270	17	260	06				
07	55	41	48	-5	41	45	17	0	0558	1728	RA BR	M	M	M	0.09	29.86	30.05	0.9	25	1.3	17	290	13	290	07				
08	56	36	46	-7	41	44	19	0	0560	1726	FG BR	M	M	M	0.00	30.03	30.21	0.2	31	1.1	8	180	6	180	08				
09	60	46	53	0	46	50	12	0	0601	1725	RA	M	M	M	T	30.01	30.16	1.1	02	2.5	16	120	9	080	09				
10	65	48	57	5	48	51	8	0	0602	1723	RA BR	M	M	M	0.06	29.75	29.89	2.4	25	4.5	29	280	22	280	10				
11	59	39	49	-3	34	43	16	0	0603	1721		M	M	M	0.00	29.91	30.10	5.7	25	6.3	21	270	15	250	11				
12	55	30	43	-8	33	39	22	0	0604	1720	RA	M	M	M	0.03	29.98	30.19	3.7	32	5.6	36	310	24	320	12				
13	54	27*	41*	-10	27	36	24	0	0605	1718		M	M	M	0.00	30.24	30.40	1.7	20	2.6	17	210	12	250	13				
14	69	47	58	7	47	53	7	0	0606	1716	RA	M	M	M	0.01	29.92	30.05	3.0	17	4.6	18	180	13	200	14				
15	69	54	62	12	57	59	3	0	0607	1715	RA FG+ BR	M	M	M	0.37	29.55	29.70	2.7	17	3.9	17	170	12	170	15				
16	59	36	48	-2	38	44	17	0	0608	1713		M	M	M	0.00	29.59	29.78	4.8	32	5.2	26	300	18	310	16				
17	62	32	47	-3	37	41	18	0	0610	1712	FG+ BR	M	M	M	0.00	29.78	29.96	0.3	20	0.3	M	M	7	140	17				
18	68	35	52	2	44	48	13	0	0611	1710		M	M	M	T	29.83	29.99	3.1	15	3.4	22	130	16	130	18				
19	67	58	63	14	61	62	2	0	0612	1709	RA BR	M	M	M	0.91	29.62	29.75	3.2	14	3.6	18	120	13	140	19				
20	71	43	57	9	48	53	8	0	0613	1707	FG+ FG BR	M	M	M	0.00	29.51	29.69	3.5	23	4.4	23	240	17	240	20				
21	66	39	53	5	38	46	12	0	0614	1706		M	M	M	0.00	29.72	29.91	6.3	27	7.0	25	280	21	280	21				
22	68	43	56	8	41	48	9	0	0615	1704		M	M	M	0.00	29.84	30.01	4.4	26	4.9	21	260	15	270	22				
23	54	40	47	0	46	48	18	0	0616	1703	RA BR	M	M	M	0.25	29.91	30.09	M	M	0.0	7	240	6	250	23				
24	57	52	55	8	50	52	10	0	0618	1701	RA BR	M	M	M	0.07	29.96	30.14	0.5	05	0.7	9	310	7	050	24				
25	60	52	56	9	51	53	9	0	0619	1700	RA BR HZ	M	M	M	0.10	30.06	30.23	0.6	13	0.6	12	020	7	130	25				
26	63	56	60	13	54	56	5	0	0620	1659		M	M	M	0.00	30.01	30.16	0.8	15	1.0	10	230	7	220	26				
27	65	53	59	13	53	56	6	0	0621	1657	BR	M	M	M	0.00	29.84	29.99	0.7	08	0.8	9	110	8	110	27				
28	59	52	56	10	46	51	9	0	0622	1656		M	M	M	0.00	29.69	29.84	8.0	03	8.3	26	030	20	040	28				
29	67	54	61	15	M	M	4	0	0624	1655	RA BR	M	M	M	0.19	29.02	M	M	M	16.0	48	020	23s	100	29				
30	67s	51	M	M	M	M	M	M	0625	1653	RA HZ	M	M	M	0.08	29.28	M	M	M	12.0	29	150	21	140	30				
31	51	45	48	3	37	43	17	0	0626	1652	RA	M	M	M	0.02	29.34	29.51	3.9	21	4.4	16	180	12	230	31				
	63.5	46.1	54.8		46.9	50.9	10.1	0.2	<-----Monthly Averages Totals----->				M	M	M	0.10s	29.80	29.94	1.1	24	3.9	<Monthly Average							
	0.4	7.1	3.8		<-----Departure From Normal----->													-4.37											
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 303 -133 M M Cooling: 6 2 M M										Greatest 24-hr Precipitation: 0.10s Date: 30-31 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M										Sea Level Pressure Date Time (LST) Maximum 30.51 13 0948 Minimum 28.80 29 1729									
										Number of Days with ----->					Max Temp >=90: 0 Max Temp <=32: 0 Thunderstorms : 0					Min Temp <=32: 3 Min Temp <=0 : 0 Heavy Fog : 4					Precipitation >=.01 inch: 1s Precipitation >=.10 inch: M Snowfall >=1.0 inch : M				
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																				Data Version: VER2									

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 11/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level															
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees						Date		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute			
																					Depth	Water Equiv	Snow Fall		Water Equiv	Speed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
01	52	45	49	4	38	43	16	0	0627	1651	RA	M	M	M	0.00s	29.37	29.54	6.4	23	7.9	16s	230	18	240	01	
02	53	42	48	3	34	41	17	0	0628	1650		M	M	M	T	29.44	29.62	7.3	27	8.1	22	280	16	270	02	
03	52	39s	M	M	29	38	M	M	0630	1648		M	M	M	0.00	29.63	29.82	6.7	30	9.3	28	320	16	320	03	
04	50	34s	M	M	28	35	M	M	0631	1647		M	M	M	0.00	29.77	29.94	4.7	36	6.5	M	M	12	350	04	
05	43	34s	M	M	21	31	M	M	0632	1646		M	M	M	0.00	29.86	30.06	4.4	35	6.2	18	360	14	360	05	
06	44	20*	32	-11	19	27	33	0	0633	1645		M	M	M	0.00	30.01	30.18	1.1	35	1.4	10	320	8	340	06	
07	38	27	33	-10	23	29	32	0	0634	1644	SN FG FZFG BR	M	M	M	0.05	29.83	29.97	11.2	36	11.3	30	350	21	360	07	
08	46	35	41	-2	21	33	24	0	0636	1643		M	M	M	0.00	29.63	29.81	13.2	36	13.8	33	020	24	360	08	
09	56	26	41	-1	24	35	24	0	0637	1642		M	M	M	0.00	29.85	30.05	2.6	32	2.9	17	320	14	320	09	
10	56	35	46	4	36	42	19	0	0638	1641		M	M	M	T	30.10	30.29	0.7	26	1.2	12	240	8	240	10	
11	65*	40	53*	11	42	47	12	0	0639	1640	BR HZ	M	M	M	0.00	30.24	30.42	1.7	19	2.4	14	160	9	170	11	
12	64	38	51	9	48	51	14	0	0641	1639	BR	M	M	M	0.00	30.18	30.32	4.5	18	4.8	24	170	15	160	12	
13	64	37	51	10	38	43	14	0	0642	1638	RA BR	M	M	M	0.47	30.09	30.29	4.1	36	7.5	25	260	18	250	13	
14	47	27	37	-4	23	32	28	0	0643	1637		M	M	M	0.00	30.32	30.49	4.5	01	4.6	22	020	16	020	14	
15	44	25	35	-6	24	30	30	0	0644	1636		M	M	M	0.00	30.24	30.39	1.1	32	1.5	14	320	9	320	15	
16	45	26	36	-4	25	30	29	0	0645	1635		M	M	M	0.00	30.16	30.36	1.8	33	1.9	15	340	12	350	16	
17	50	23	37	-3	25	31	28	0	0647	1634		M	M	M	0.00	30.39	30.59	1.9	01	2.1	15	020	12	030	17	
18	50	21	36	-4	25	30	29	0	0648	1633	BR	M	M	M	0.00	30.46	30.64	0.3	34	0.5	9	320	8	320	18	
19	51	22	37	-2	26	31	28	0	0649	1633	BR	M	M	M	0.00	30.28	30.42	0.4	29	0.7	15	360	8	360	19	
20	47	24	36	-3	26	30	29	0	0650	1632	RA	M	M	M	0.00s	30.01	30.18	M	M	0.0	6	150	5	260	20	
21	53	28	41	2	26	33	24	0	0651	1631		M	M	M	0.00	30.02	30.21	0.9	35	1.1	12	360	8	330	21	
22	55	24	40	2	28	33	25	0	0653	1631	BR	M	M	M	0.00	30.04	30.21	0.3	23	0.3	18	030	6	220	22	
23	58	26	42	4	34	39	23	0	0654	1630	RA BR	M	M	M	0.02	29.75	29.87	1.3	17	2.2	17	190	13	180	23	
24	48	34	41	4	20	33	24	0	0655	1629		M	M	M	0.00	29.52	29.71	12.8	28	13.3	32	290	23	280	24	
25	40	33	37	0	19	30	28	0	0656	1629		M	M	M	0.00	29.66	29.85	10.3	26	10.9	26	280	20	280	25	
26	47	26	37	0	20	32	28	0	0657	1628		M	M	M	0.00	29.86	30.07	4.8	27	6.2	26	220	20	260	26	
27	35	27	31*	-5	29	31	34	0	0658	1628	SN BR	M	M	M	0.15	30.08	30.25	0.3	36	0.5	7	360	6	360	27	
28	39	30	35	-1	25	31	30	0	0659	1628	BR HZ	M	M	M	0.00	30.03	30.20	3.6	25	4.3	17	290	13	260	28	
29	45	23	34	-2	23	31	31	0	0700	1627		0	M	M	0.00	30.08	30.26	6.6	23	7.3	22	250	16	260	29	
30	37	27	32	-3	22	28	33	0	0701	1627	HZ	0	M	M	0.00	30.21	30.40	3.4	34	5.2	17	260	13	260	30	
	49.2	29.3	39.3		27.4	34.3	M	M	<-----Monthly Averages Totals----->			M	M	M	0.69	29.97	30.14	2.5	30	4.9	<Monthly Average					
	-3.1	-1.6	-2.3		<-----Departure From Normal----->													-2.78								
Degree Days Monthly Season to Date Total Departure Total Departure Heating: M M M M Cooling: M M M M									Greatest 24-hr Precipitation: 0.47 Date: 13 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M						Sea Level Pressure Date Time (LST) Maximum 30.70 18 0938 Minimum 29.51 01 1333											
									Number of Days with ----->						Max Temp >=90: 0		Min Temp <=32: 20s		Precipitation >=.01 inch: 4							
															Max Temp <=32: 0		Min Temp <=0 : 0		Precipitation >=.10 inch:							
															Thunderstorms : 0		Heavy Fog : 0		Snowfall >=1.0 inch : M							
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																				Data Version: VER2						

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 12/2012											Station Location: DUTCHESS COUNTY AIRPORT (14757) POUGHKEEPSIE, NY Lat. 41.626 Lon. -73.884 Elevation(Ground): 166 ft. above sea level																							
Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees						Date										
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute											
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed		Dir									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26									
01	36	28	32	-3	25	29	33	0	0703	1626	BR HZ	M	M	M	T	30.32	30.49	1.9	35	2.2	10	340	9	330	01									
02	50	35	43	9	38	40	22	0	0704	1626	RA FG+ FG BR HZ	M	M	M	0.13	30.09	30.23	1.1	19	1.7	15	150	10	170	02									
03	58*	31	45	11	40	43	20	0	0705	1626	RA FG+ BR HZ	M	M	M	T	29.98	30.18	0.7	29	2.9	22	240	16	240	03									
04	57	30	44	10	43	45	21	0	0706	1626	BR HZ	M	M	M	0.00	30.01	30.15	1.8	16	2.2	16	140	12	170	04									
05	57	33	45	12	32	41	20	0	0707	1626	RA BR	M	M	M	0.02	29.83	30.04	7.2	30	8.9	31	280	22	290	05									
06	39	22	31	-2	15	25	34	0	0708	1626		M	M	M	0.00	30.12	30.30	3.6	36	3.8	22	350	18	360	06									
07	39	22	31	-2	29	32	34	0	0708	1625	RA BR	M	M	M	0.09	29.98	30.14	0.2	26	0.2	6	260	5	260	07									
08	48	39	44	12	40	42	21	0	0709	1625	RA BR	M	M	M	0.19	29.75	29.93	0.5	22	0.6	10	220	7	230	08									
09	48	38	43	11	35	40	22	0	0710	1625	RA FG+ BR	M	M	M	0.07	29.98	30.16	3.3	01	3.5	18	030	14	020	09									
10	55	40	48	16	44	45	17	0	0711	1625	RA BR	M	M	M	0.09	29.57	29.69	0.8	01	0.8	28	020	21	010	10									
11	48	28	38	7	31	37	27	0	0712	1626		M	M	M	0.02	29.69	29.92	3.6	33	4.2	20	290	14	270	11									
12	40	25	33	2	24	29	32	0	0713	1626		M	M	M	0.00	30.14	30.34	0.1	26	0.7	12	160	6	240	12									
13	44	22	33	2	22	28	32	0	0714	1626	BR	M	M	M	0.00	30.23	30.40	0.3	29	0.3	8	280	7	300	13									
14	50	21	36	6	22	29	29	0	0714	1626		M	M	M	0.00	30.03	30.20	2.1	20	3.1	16	230	12	220	14									
15	45	21	33	3	24	29	32	0	0715	1626	BR	M	M	M	0.00	30.08	30.26	M	M	0.0	6	020	5	070	15									
16	39	32	36	6	30	34	29	0	0716	1627	RA BR	M	M	M	T	29.93	30.08	2.6	07	4.0	17	090	12	100	16									
17	41	37	39	10	36	38	26	0	0716	1627	RA BR	M	M	M	0.60	29.72	29.85	2.9	35	3.2	16	100	12	060	17									
18	48	40	44	15	40	42	21	0	0717	1627	RA BR	M	M	M	0.51	29.34	29.51	1.7	30	3.0	18	280	14	280	18									
19	49	29	39	10	25	35	26	0	0718	1628		M	M	M	0.00	29.58	29.81	7.7	32	9.1	28	320	20	330	19									
20	42	22	32	3	26	31	33	0	0718	1628	RA	M	M	M	0.05	29.94	30.08	1.5	10	2.8	23	140	15	120	20									
21	57	38	48*	20	36	41	17	0	0719	1628	RA BR	M	M	M	1.19	29.16	29.27	7.6	18	13.2	44	100	29	120	21									
22	38	34	36	8	20	31	29	0	0719	1629		M	M	M	0.00	29.30	29.53	14.2	27	15.3	44	270	31	270	22									
23	42	25	34	6	20	30	31	0	0720	1629		M	M	M	0.00	29.67	29.85	7.3	24	7.6	25	250	17	260	23									
24	39	20	30	2	20	27	35	0	0720	1630	SN BR	M	M	M	0.01	29.83	30.01	0.2	28	0.8	13	030	10	250	24									
25	36	23	30	3	26	30	35	0	0721	1631	SN BR	M	M	M	0.03	29.87	30.09	3.7	35	3.9	13	020	12	340	25									
26	36	20	28	1	20	25	37	0	0721	1631	RA SN BR UP	M	M	M	0.37	29.99	30.11	6.0	01	6.4	26	030	18	040	26									
27	36	30	33	6	27	31	32	0	0721	1632	FZRA SN BR UP	M	M	M	0.65	29.35	29.55	8.8	33	9.8	24	340	18	010	27									
28	38	20	29	2	20	27	36	0	0721	1633		M	M	M	0.00	29.78	29.99	2.4	32	3.1	17	330	14	330	28									
29	30	19	25	-2	23	26	40	0	0722	1633	SN FG+ FZFG BR	M	M	M	0.20	29.63	29.76	3.4	35	3.5	16	350	10	360	29									
30	33	16	25	-1	14	23	40	0	0722	1634	FZFG BR	M	M	M	T	29.65	29.89	8.3	29	8.7	31	280	24	270	30									
31	37	11*	24*	-2	17	25	41	0	0722	1635		M	M	M	0.00	29.86	30.01	7.1	23	7.4	26	240	20	250	31									
	43.7	27.5	35.6		27.9	33.2	29.2	0.0	<-----Monthly Averages Totals----->				M	M	M	4.22s	29.82	30.00	2.0	30	4.4	<Monthly Average												
	3.4	5.6	4.5						<-----Departure From Normal----->							0.69																		
Degree Days Monthly Season to Date Total Departure Total Departure Heating: 904 -147 M M Cooling: 0 0 M M										Greatest 24-hr Precipitation: 1.24s Date: 20-21 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M										Sea Level Pressure Date Time (LST) Maximum 30.55 01 1020 Minimum 29.01 21 1013														
										Number of Days with ----->										Max Temp >=90: 0 Max Temp <=32: 1 Thunderstorms : 0					Min Temp <=32: 22 Min Temp <=0 : 0 Heavy Fog : 4					Precipitation >=.01 inch: 16 Precipitation >=.10 inch: 3 Snowfall >=1.0 inch : M				
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																				Data Version: VER2														

Appendix D

Groundwater Analytical Data (Organics): January 1, 2012 to December 31, 2012

Groundwater Analytical Data (Inorganics): January 1, 2012 to December 31, 2012

Groundwater Analytical Data (Organics): Shutdown Sampling Non-CAP Wells

Groundwater Analytical Data (Organics): B/330D Investigation

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		007	007	007	007	010	010
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		01/30/2012	01/30/2012	07/27/2012	07/27/2012	02/09/2012	07/31/2012
Laboratory Sample I.D.		R1200609-004	R1200609-005	R1204893-004	R1204893-005	R1200908-005	R1204931-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.75 J	1.4
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	8.5	10
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.45 J	1.8
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.55 J	3.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	37	59
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	10	18
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		015	015	016	016	035	035
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		06/20/2012	10/30/2012	03/20/2012	09/24/2012	06/21/2012	06/21/2012
Laboratory Sample I.D.		R1203935-005	R1207464-004	R1201800-006	R1206404-006	R1203985-005	R1203985-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	10 J	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@130	ND@250	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	260	310	1.1	1.2	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@25	ND@50	20	16	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@50	ND@100	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	4700	8700	17	19	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	160	220	2.3	2.7	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		046	046	048	048	048	048
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		03/13/2012	09/19/2012	01/16/2012	04/11/2012	07/10/2012	10/17/2012
Laboratory Sample I.D.		R1201654-005	R1206286-005	R1200303-006	R1202302-006	R1204390-007	R1207101-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.5 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.77 J	1.1	0.40 J	ND@1.0	0.23 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		053	053	054	054	054	059
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		03/20/2012	09/24/2012	03/13/2012	09/13/2012	09/13/2012	03/15/2012
Laboratory Sample I.D.		R1201800-004	R1206404-005	R1201654-008	R1206114-006	R1206114-007	R1201735-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.74 J	0.81 J	3.1	1.1	1.2	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.4	2.5	1.6	0.59 J	0.51 J	ND@1.0
TRICHLOROETHYLENE	ug/l	1.2	1.6	4.4	1.7	1.8	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		060	061	061	063	064	064
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		03/15/2012	03/09/2012	03/09/2012	03/21/2012	01/11/2012	04/12/2012
Laboratory Sample I.D.		R1201735-006	R1201594-009	R1201594-010	R1201815-007	R1200221-005	R1202352-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1.2	1.4
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.25 J	0.26 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		064	064	065	065	065	065
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		07/12/2012	10/09/2012	01/11/2012	01/11/2012	04/12/2012	07/12/2012
Laboratory Sample I.D.		R1204510-004	R1206834-006	R1200221-004	R1200221-006	R1202352-009	R1204510-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	2.0	1.6	ND@1.0	0.23 J	ND@1.0	0.31 J
TRICHLOROETHYLENE	ug/l	0.46 J	0.42 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	065	066	066	066	066	066
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	10/09/2012	01/12/2012	04/10/2012	07/10/2012	10/09/2012	10/09/2012
Laboratory Sample I.D.	R1206834-007	R1200267-006	R1202261-007	R1204390-008	R1206834-004	R1206834-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.1 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

7-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	067	067	067	067	067	067
Sample Description	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date	01/16/2012	04/09/2012	04/09/2012	07/09/2012	07/09/2012	10/10/2012
Laboratory Sample I.D.	R1200303-009	R1202215-009	R1202215-010	R1204353-007	R1204353-008	R1206891-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

8-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		068	068	068	068	068	069
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/18/2012	04/18/2012	04/18/2012	07/17/2012	10/17/2012	03/09/2012
Laboratory Sample I.D.		R1200376-005	R1202462-003	R1202463-005	R1204594-006	R1207101-008	R1201594-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.62 J	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

9-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		069	069	085	085	085	087
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		03/09/2012	09/13/2012	05/07/2012	05/07/2012	11/15/2012	03/15/2012
Laboratory Sample I.D.		R1201594-008	R1206114-005	R1202921-005	R1202921-006	R1207919-006	R1201735-010
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

10-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	087	103	103	104	104	105
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/14/2012	02/14/2012	09/25/2012	02/14/2012	11/14/2012	02/15/2012
Laboratory Sample I.D.	R1206171-007	R1201021-005	R1206455-007	R1201021-006	R1207886-004	R1201057-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	1.4	3.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.53 J	0.56 J	0.94 J
TRICHLOROETHYLENE	ug/l	ND@1.0	0.92 J	0.34 J	ND@1.0	0.48 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

11-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	105	106	106	108	108	109
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/25/2012	02/15/2012	09/25/2012	02/16/2012	09/27/2012	02/16/2012
Laboratory Sample I.D.	R1206455-004	R1201057-006	R1206455-005	R1201098-006	R1206540-004	R1201098-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.93 J	0.35 J	0.40 J	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.49 J	ND@1.0	ND@1.0	ND@1.0	1.3
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

12-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	109	113	113	113	113	118
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/27/2012	01/17/2012	04/12/2012	07/13/2012	10/17/2012	03/29/2012
Laboratory Sample I.D.	R1206540-005	R1200345-004	R1202352-004	R1204547-004	R1207101-004	R1201990-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1700 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@10000
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@4000
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
TETRACHLOROETHYLENE	ug/l	ND@1.0	3.1	2.2	1.6	2.2
TRICHLOROETHYLENE	ug/l	1.4	0.34 J	0.23 J	0.40 J	0.27 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2000

April 18, 2013

IBM Corporation

13-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	118	143	143	145	146	150
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	10/30/2012	03/14/2012	09/13/2012	03/21/2012	03/21/2012	05/07/2012
Laboratory Sample I.D.	R1207464-005	R1201677-008	R1206114-008	R1201815-005	R1201815-006	R1202921-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1900 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@10000	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@4000	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	220000	1.3	0.70 J	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	1000 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@2000	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

14-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	150	151	151	156	156	161
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	11/14/2012	03/22/2012	07/30/2012	03/15/2012	08/09/2012	03/22/2012
Laboratory Sample I.D.	R1207886-005	R1201858-004	R1204900-007	R1201735-008	R1205244-006	R1201858-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	5.4	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

15-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	166	166	167	167	178	181
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	06/19/2012	12/19/2012	06/19/2012	12/19/2012	03/20/2012	05/17/2012
Laboratory Sample I.D.	R1203916-004	R1208712-007	R1203916-005	R1208712-008	R1201800-007	R1203190-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	5.8	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	11	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.22 J	56
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	1.9	20
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	1.0	35
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	39

April 18, 2013

IBM Corporation

16-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	181	204	400	400	401	401
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	11/19/2012	03/28/2012	06/18/2012	12/18/2012	06/18/2012	12/18/2012
Laboratory Sample I.D.	R1207997-006	R1201938-004	R1203868-004	R1208740-004	R1203868-005	R1208740-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.22 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.7 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	59	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	16	0.44 J	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	45	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	61	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

17-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	402	402	402	402	403	403
Sample Description	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date	06/13/2012	06/13/2012	09/27/2012	09/27/2012	06/14/2012	12/18/2012
Laboratory Sample I.D.	R1203794-006	R1203794-007	R1206540-007	R1206540-008	R1203833-007	R1208740-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

18-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		404	404	407	407	407	408
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		06/18/2012	12/18/2012	06/13/2012	12/14/2012	12/14/2012	06/18/2012
Laboratory Sample I.D.		R1203868-006	R1208740-006	R1203794-008	R1208630-008	R1208630-009	R1203868-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

19-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		408	410	410	412	412	415
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		12/19/2012	06/18/2012	12/19/2012	06/14/2012	12/19/2012	06/14/2012
Laboratory Sample I.D.		R1208712-004	R1203868-008	R1208712-005	R1203833-008	R1208712-006	R1203833-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.5 J	ND@5.0	1.4 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

20-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	415	416	416	416	416	417
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date	12/14/2012	01/23/2012	06/18/2012	06/18/2012	12/14/2012	06/13/2012
Laboratory Sample I.D.	R1208630-005	R1200471-006	R1203868-009	R1203868-010	R1208630-006	R1203794-009
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

21-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	417	423	423	424	424	424
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	12/14/2012	06/14/2012	12/14/2012	06/14/2012	12/14/2012	12/14/2012
Laboratory Sample I.D.	R1208630-007	R1203833-005	R1208630-004	R1203833-006	R1208630-010	R1208630-011
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	0.56 J	0.48 J	0.61 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

22-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		502	502	502	502	502	503
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/17/2012	01/17/2012	04/23/2012	07/10/2012	10/23/2012	01/17/2012
Laboratory Sample I.D.		R1200345-006	R1200345-007	R1202551-006	R1204390-006	R1207257-005	R1200345-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

23-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		503	503	503	515	515	515
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/11/2012	07/11/2012	10/23/2012	01/23/2012	04/26/2012	07/18/2012
Laboratory Sample I.D.		R1202302-007	R1204462-008	R1207257-006	R1200471-004	R1202635-004	R1204630-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

24-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	515	520	520	520	520	521
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	10/24/2012	01/17/2012	04/25/2012	07/09/2012	10/18/2012	01/17/2012
Laboratory Sample I.D.	R1207281-004	R1200345-008	R1202591-007	R1204353-010	R1207170-008	R1200345-009
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

25-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	521	521	521	535	535	535
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	04/25/2012	07/09/2012	10/18/2012	01/24/2012	04/24/2012	07/12/2012
Laboratory Sample I.D.	R1202591-008	R1204353-011	R1207170-009	R1200505-004	R1202569-004	R1204510-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

26-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		535	543	543	543	543	545
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/17/2012	01/12/2012	04/09/2012	07/10/2012	10/10/2012	01/16/2012
Laboratory Sample I.D.		R1207101-005	R1200267-005	R1202215-006	R1204390-004	R1206891-009	R1200303-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

27-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	545		545	545	545	545	559
Sample Description	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	
Sample Date	04/09/2012	04/09/2012	07/10/2012	10/10/2012	10/10/2012	03/19/2012	
Laboratory Sample I.D.	R1202215-004	R1202215-005	R1204390-005	R1206891-007	R1206891-008	R1201766-006	
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	4.9
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	8.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	6.9
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@10
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.40 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	190
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@4.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	49
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	170
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	2.5

April 18, 2013

IBM Corporation

28-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	559	561	561	563	563	564
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/26/2012	03/19/2012	09/19/2012	03/19/2012	09/19/2012	03/19/2012
Laboratory Sample I.D.	R1206487-005	R1201766-008	R1206286-006	R1201766-007	R1206286-007	R1201766-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	52	0.54 J	1.9	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	9.9	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	6.3	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	2.6	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	170	10	25	1.2	2.4
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	59	13	37	1.3	1.9
TRICHLOROETHYLENE	ug/l	170	3.4	7.5	2.3	3.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	12	0.40 J	1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

29-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	564	571	571	571	571	571
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date	09/26/2012	01/16/2012	04/09/2012	07/09/2012	07/09/2012	10/16/2012
Laboratory Sample I.D.	R1206487-004	R1200303-007	R1202215-008	R1204353-005	R1204353-006	R1207070-008
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

30-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		572	574	576	576	576	577
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		06/29/2012	06/29/2012	03/20/2012	03/20/2012	09/17/2012	02/16/2012
Laboratory Sample I.D.		R1204195-004	R1204195-005	R1201800-008	R1201800-009	R1206179-006	R1201098-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2000	ND@1000	4.4	4.2	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2000	ND@1000	1.6	1.5	0.53 J	ND@1.0
ACETONE	ug/l	ND@10000	ND@5000	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2500	ND@1000	0.21 J	0.22 J	0.36 J	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@4000	ND@2000	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	200000	99000	24	23	18	ND@1.0
TRICHLOROETHYLENE	ug/l	1100 J	ND@1000	2.1	2.0	3.6	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@2000	ND@1000	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

31-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	577		577		577		578	578	578
Sample Description	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	
Sample Date	02/16/2012	08/09/2012	08/09/2012	01/25/2012	01/25/2012	07/25/2012			
Laboratory Sample I.D.	R1201098-009	R1205244-007	R1205244-008	R1200541-006	R1200541-007	R1204786-007			
Sample Comment Codes									
Parameter	Units								
Base/Neutral Extractables									
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
Volatile Organics									
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	

April 18, 2013

IBM Corporation

32-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		579	579	580	581	581	600
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		03/22/2012	12/12/2012	03/28/2012	02/09/2012	07/23/2012	03/15/2012
Laboratory Sample I.D.		R1201858-006	R1208581-005	R1201938-006	R1200908-006	R1204713-004	R1201735-009
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	0.99 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.1	0.48 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

33-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		601	602	603	604	604	607
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		03/19/2012	03/26/2012	03/13/2012	03/26/2012	03/26/2012	06/29/2012
Laboratory Sample I.D.		R1201766-009	R1201897-005	R1201654-009	R1201897-006	R1201897-007	R1204195-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	38
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@100
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
CIS-1,2-DICHLOROETHYLENE	ug/l	3.1	ND@1.0	ND@1.0	ND@1.0	ND@1.0	500
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@40
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
TETRACHLOROETHYLENE	ug/l	0.42 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	4000
TRICHLOROETHYLENE	ug/l	1.8	ND@1.0	ND@1.0	ND@1.0	ND@1.0	200
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@20

April 18, 2013

IBM Corporation

34-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		608	609	609	610	610	611
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		03/15/2012	05/08/2012	11/12/2012	03/20/2012	09/25/2012	06/13/2012
Laboratory Sample I.D.		R1201735-011	R1202961-006	R1207776-005	R1201800-005	R1206455-006	R1203794-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	1.1	0.61 J	76	63	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	2.1 J	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@50	ND@50	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	0.39 J	0.39 J	210	180	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@20	ND@20	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0
TETRACHLOROETHYLENE	ug/l	2.1	8.8	7.1	1600	1600	0.36 J
TRICHLOROETHYLENE	ug/l	ND@1.0	6.4	5.4	840	730	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.61 J	0.96 J	0.93 J	2.3 J	2.4 J	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@10	ND@10	ND@1.0

April 18, 2013

IBM Corporation

35-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		611	611	622	622	623	623
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		06/13/2012	12/17/2012	05/07/2012	11/14/2012	06/11/2012	12/12/2012
Laboratory Sample I.D.		R1203794-005	R1208675-006	R1202921-007	R1207886-006	R1203723-005	R1208581-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	0.46 J	0.46 J	ND@2.5	ND@2.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	1.3	1.3	ND@2.5	ND@2.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@13	ND@13
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	8.4	9.5	ND@2.5	ND@2.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@5.0	ND@5.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
TETRACHLOROETHYLENE	ug/l	0.38 J	0.32 J	ND@1.0	ND@1.0	320	350
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	2.3	2.6	ND@2.5	ND@2.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@2.5

April 18, 2013

IBM Corporation

36-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		624	624	627	701	701	702
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		06/11/2012	11/12/2012	02/13/2012	01/31/2012	07/25/2012	01/31/2012
Laboratory Sample I.D.		R1203723-004	R1207776-004	R1200995-005	R1200642-004	R1204786-008	R1200642-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	0.22 J	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	46	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	21	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.98 J	0.89 J	68	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	4.6	4.3	3.6	ND@1.0	ND@1.0	0.98 J
TRICHLOROETHYLENE	ug/l	3.0	2.9	1.3	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

37-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		702	702	702	704	704	706
Sample Description		REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/31/2012	07/23/2012	07/23/2012	01/30/2012	07/27/2012	02/15/2012
Laboratory Sample I.D.		R1200642-006	R1204713-008	R1204713-009	R1200609-007	R1204893-008	R1201057-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.92 J	1.6	1.5	ND@1.0	ND@1.0	12
TRICHLOROETHYLENE	ug/l	ND@1.0	0.42 J	0.27 J	0.28 J	0.34 J	5.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	8.1

April 18, 2013

IBM Corporation

38-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	706	711	711	711	714	714
Sample Description	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	07/31/2012	03/29/2012	03/29/2012	08/09/2012	02/09/2012	07/30/2012
Laboratory Sample I.D.	R1204931-007	R1201990-004	R1201990-005	R1205244-004	R1200908-008	R1204900-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	7.4	3.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	42	68
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	3.6	7.9
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@13	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	150	ND@1.0	ND@1.0	14	4.6
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@5.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	7.6	ND@1.0	ND@1.0	460	110
TRICHLOROETHYLENE	ug/l	3.8	ND@1.0	ND@1.0	75	25
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.5	ND@1.0
VINYL CHLORIDE	ug/l	8.1	ND@1.0	ND@1.0	ND@2.5	ND@1.0

April 18, 2013

IBM Corporation

39-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	716	716	720	720	722	722
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	05/08/2012	09/19/2012	05/14/2012	09/27/2012	05/08/2012	09/14/2012
Laboratory Sample I.D.	R1202961-004	R1206286-004	R1203070-005	R1206540-006	R1202961-005	R1206171-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	130	130	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@100	ND@100	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	20 J	21	0.32 J	0.56 J	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@40	ND@40	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1800	1800	0.66 J	2.0	ND@1.0
TRICHLOROETHYLENE	ug/l	24	30	ND@1.0	0.28 J	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@20	ND@20	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

40-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	722	735	735	739	739	740
Sample Description	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/14/2012	02/09/2012	07/30/2012	06/20/2012	12/17/2012	02/14/2012
Laboratory Sample I.D.	R1206171-005	R1200908-007	R1204900-004	R1203935-004	R1208675-005	R1201021-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	41	90	1.9	0.68 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	4.1	10	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@10	ND@50	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	17	380	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@4.0	ND@20	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	290	950	1.4	1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	18	56	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@2.0	ND@10	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

41-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	742	742	742	743	744	744
Sample Description	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	05/17/2012	05/17/2012	12/13/2012	03/28/2012	01/18/2012	04/19/2012
Laboratory Sample I.D.	R1203190-004	R1203190-005	R1208615-005	R1201938-005	R1200376-008	R1202500-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.79 J	0.80 J	0.61 J	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	170	170	26	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.46 J	0.44 J	0.33 J	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.1	1.1	0.82 J	0.40 J	ND@1.0
TRICHLOROETHYLENE	ug/l	0.73 J	0.66 J	0.52 J	ND@1.0	0.63 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

42-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		744	744	744	744	745	745
Sample Description		REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/19/2012	07/16/2012	07/16/2012	11/01/2012	01/19/2012	04/19/2012
Laboratory Sample I.D.		R1202500-006	R1204544-004	R1204544-006	R1207501-006	R1200405-004	R1202500-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	5.8	5.1
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.21 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.35 J	0.41 J	0.31 J	0.30 J	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

43-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	745	745	751	751	751	753
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	07/16/2012	10/18/2012	04/17/2012	05/16/2012	10/31/2012	04/24/2012
Laboratory Sample I.D.	R1204544-005	R1207170-004	R1202431-004	R1203192-004	R1207471-004	R1202571-002
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	3.8 J	12	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	0.60 J	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	1.0	1.1	0.76 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.43 J	0.46 J	0.49 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	1.6	2.0	0.87 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

44-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		753	753	754	754	755	755
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		05/16/2012	10/31/2012	04/17/2012	04/17/2012	01/18/2012	04/18/2012
Laboratory Sample I.D.		R1203192-005	R1207471-005	R1202428-004	R1202431-005	R1200376-004	R1202462-002
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.74 J	1.3	ND@1.0	ND@1.0	0.88 J	0.49 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.46 J	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

45-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	755	755	755	756	756	757
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	04/18/2012	07/16/2012	10/17/2012	04/18/2012	10/24/2012	01/18/2012
Laboratory Sample I.D.	R1202463-004	R1204544-009	R1207101-007	R1202462-004	R1207281-005	R1200376-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.49 J	0.54 J	0.53 J	3.2	3.9
TRICHLOROETHYLENE	ug/l	0.24 J	0.27 J	ND@1.0	ND@1.0	2.2
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

46-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	757			761		761
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	04/10/2012	07/09/2012	10/16/2012	01/31/2012	07/23/2012	07/23/2012
Laboratory Sample I.D.	R1202261-006	R1204353-009	R1207070-006	R1200642-008	R1204713-006	R1204713-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.56 J	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	0.27 J	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.68 J	0.87 J	1.1	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	1.0	1.5	1.5	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

47-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		763	763	766	766	766	767
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		01/31/2012	07/25/2012	02/13/2012	02/13/2012	07/30/2012	03/14/2012
Laboratory Sample I.D.		R1200642-009	R1204786-009	R1200995-007	R1200995-008	R1204900-005	R1201677-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	2.1	1.9	3.6	0.82 J
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.35 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.53 J	0.46 J	6.5	5.8	13	11
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.50 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	16	16	15	33
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	2.2	2.3	1.5	1.7
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	3.9	3.9	4.2	4.2
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	1.3	1.2	1.2	1.9

April 18, 2013

IBM Corporation

48-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	767	768	768	769	769	769
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date	10/31/2012	03/14/2012	10/31/2012	02/14/2012	02/14/2012	07/31/2012
Laboratory Sample I.D.	R1207471-006	R1201677-006	R1207471-007	R1201021-008	R1201021-009	R1204931-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	1.4	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.46 J	0.45 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	6.7	0.35 J	0.22 J	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	0.95 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	26	7.5	6.3	1.4	1.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.1	11	11	3.7	3.8
TRICHLOROETHYLENE	ug/l	4.7	14	14	6.3	6.2
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	2.1	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

49-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	769	771	772	772	772	772
Sample Description	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	07/31/2012	03/14/2012	01/24/2012	04/26/2012	07/17/2012	10/18/2012
Laboratory Sample I.D.	R1204931-008	R1201677-007	R1200505-007	R1202635-007	R1204594-004	R1207170-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.33 J	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.94 J	3.0	1.2	1.1	1.4
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	4.0	1.7	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	5.9	1.8	0.69 J	0.71 J	0.78 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

50-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		773	773	773	773	773	774
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		01/18/2012	04/24/2012	07/17/2012	10/18/2012	10/18/2012	01/19/2012
Laboratory Sample I.D.		R1200376-007	R1202569-005	R1204594-005	R1207170-005	R1207170-006	R1200405-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.37 J	0.23 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.52 J	0.37 J	0.39 J	0.45 J	0.46 J	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

51-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		774	774	774	774	774	774
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE
Sample Date		01/19/2012	04/24/2012	07/16/2012	07/16/2012	11/15/2012	11/15/2012
Laboratory Sample I.D.		R1200405-006	R1202569-006	R1204544-007	R1204544-008	R1207919-004	R1207919-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

52-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		775	777	777	779	779	789
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/15/2012	03/15/2012	07/25/2012	02/16/2012	08/09/2012	02/13/2012
Laboratory Sample I.D.		R1201057-008	R1201735-007	R1204786-006	R1201098-005	R1205244-005	R1200995-009
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.21 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

53-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		789	791	792	793	793	793
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		02/13/2012	02/14/2012	06/21/2012	02/13/2012	09/26/2012	09/26/2012
Laboratory Sample I.D.		R1200995-010	R1201021-010	R1203985-004	R1200995-006	R1206487-007	R1206487-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.53 J	0.84 J	0.90 J
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	1.6	0.80 J	0.72 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.38 J	0.59 J	0.59 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	8.1	12	11
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1.9	1.8
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	2.3	3.3	2.9
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	3.2	4.7	4.7
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.60 J	0.52 J	0.53 J

April 18, 2013

IBM Corporation

54-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		832	832	832	832	857	857
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/12/2012	04/09/2012	07/09/2012	10/16/2012	01/10/2012	04/23/2012
Laboratory Sample I.D.		R1200267-004	R1202215-007	R1204353-004	R1207070-007	R1200185-004	R1202551-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

55-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		857	857	858	858	858	858
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		07/17/2012	10/23/2012	01/10/2012	04/23/2012	07/18/2012	10/24/2012
Laboratory Sample I.D.		R1204594-007	R1207257-007	R1200185-005	R1202551-004	R1204630-004	R1207281-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

56-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		859	859	859	859	860	860
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/25/2012	04/26/2012	09/11/2012	10/25/2012	01/25/2012	04/26/2012
Laboratory Sample I.D.		R1200541-005	R1202635-005	R1206025-004	R1207326-004	R1200541-004	R1202635-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

57-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		860	860	861	861	861	861
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		09/11/2012	10/25/2012	01/24/2012	04/25/2012	07/25/2012	11/01/2012
Laboratory Sample I.D.		R1206025-005	R1207326-005	R1200505-005	R1202591-005	R1204786-004	R1207501-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	2.8
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

58-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	861	862	862	862	862	862
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	11/20/2012	01/24/2012	04/25/2012	07/25/2012	11/01/2012	11/26/2012
Laboratory Sample I.D.	R1208044-004	R1200505-006	R1202591-006	R1204786-005	R1207501-005	R1208082-001
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.3 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.63 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

59-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	921	921	922	922	923	923
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	06/12/2012	12/13/2012	05/10/2012	11/19/2012	05/10/2012	11/26/2012
Laboratory Sample I.D.	R1203770-006	R1208615-004	R1203011-004	R1207997-005	R1203011-005	R1208080-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.74 J	0.94 J	0.63 J	0.79 J	0.95 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.41 J	0.58 J	0.53 J	0.47 J	1.1
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	9.6	8.9	7.4	8.5	45
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.1	1.1	0.64 J	1.1	53
TRICHLOROETHYLENE	ug/l	4.8	4.9	1.1	1.5	32
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.43 J	0.62 J	1.9	1.1	0.27 J

April 18, 2013

IBM Corporation

60-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		929	929	931	931	931	932
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		03/29/2012	09/26/2012	03/26/2012	11/12/2012	11/12/2012	05/11/2012
Laboratory Sample I.D.		R1201990-006	R1206487-006	R1201897-004	R1207776-006	R1207776-007	R1203062-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	0.72 J	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.4	8.2	ND@5.0	ND@5.0	ND@5.0	3.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.78 J	0.59 J	ND@5.0	ND@5.0	ND@5.0	1.3
ACETONE	ug/l	ND@10	ND@5.0	5.0 J	ND@25	ND@25	ND@5.0
CHLOROBENZENE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	14	8.2	31	37	37	20
DICHLORODIFLUOROMETHANE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
ETHYLBENZENE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
M,P-XYLENE	ug/l	ND@4.0	ND@2.0	ND@10	ND@10	ND@10	ND@2.0
O-XYLENE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	250	180	540	590	590	9.5
TRICHLOROETHYLENE	ug/l	7.8	6.0	11	15	14	17
TRICHLOROFLUOROMETHANE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@2.0	ND@1.0	ND@5.0	ND@5.0	ND@5.0	0.30 J

April 18, 2013

IBM Corporation

61-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	932		941		941		943		943		944	
Sample Description	GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
Sample Date	11/13/2012		05/09/2012		09/24/2012		03/26/2012		09/13/2012		03/09/2012	
Laboratory Sample I.D.	R1207850-004		R1202964-004		R1206404-004		R1201897-008		R1206114-004		R1201594-005	
Sample Comment Codes												
Parameter	Units											
Base/Neutral Extractables												
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
Volatile Organics												
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.7	340		310		2.3		2.2		ND@1.0	
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.1	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
ACETONE	ug/l	ND@5.0	ND@250		ND@250		ND@5.0		ND@5.0		ND@5.0	
CHLOROBENZENE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
CIS-1,2-DICHLOROETHYLENE	ug/l	20	430		350		3.8		4.0		ND@1.0	
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
ETHYLBENZENE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
M,P-XYLENE	ug/l	ND@2.0	ND@100		ND@100		ND@2.0		ND@2.0		ND@2.0	
O-XYLENE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
TETRACHLOROETHYLENE	ug/l	8.9	6800		6800		6.8		7.3		ND@1.0	
TRICHLOROETHYLENE	ug/l	16	2200		2200		7.3		8.4		ND@1.0	
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	
VINYL CHLORIDE	ug/l	ND@1.0	ND@50		ND@50		ND@1.0		ND@1.0		ND@1.0	

April 18, 2013

IBM Corporation

62-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		944	944	952	952	952	952
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE
Sample Date		03/09/2012	09/11/2012	05/16/2012	05/16/2012	12/10/2012	12/10/2012
Laboratory Sample I.D.		R1201594-006	R1206025-006	R1203192-006	R1203192-007	R1208508-017	R1208508-018
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

63-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		953	953	954	954	956	956
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		05/14/2012	11/19/2012	03/28/2012	09/17/2012	03/28/2012	09/17/2012
Laboratory Sample I.D.		R1203070-004	R1207997-004	R1201977-004	R1206179-004	R1201977-005	R1206179-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2.0	ND@2.0	0.32 J	ND@1.0	ND@1.0	ND@2.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2.0	ND@2.0	0.83 J	0.54 J	0.67 J	0.56 J
ACETONE	ug/l	ND@10	ND@10	ND@5.0	ND@5.0	ND@5.0	ND@10
CHLOROBENZENE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@2.0	ND@2.0	170	100	66	26
DICHLORODIFLUOROMETHANE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
ETHYLBENZENE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
M,P-XYLENE	ug/l	ND@4.0	ND@4.0	ND@2.0	ND@2.0	ND@2.0	ND@4.0
O-XYLENE	ug/l	ND@2.0	ND@2.0	ND@1.0	ND@1.0	ND@1.0	ND@2.0
TETRACHLOROETHYLENE	ug/l	190	190	51	120	150	230
TRICHLOROETHYLENE	ug/l	ND@2.0	ND@2.0	16	45	26	28
TRICHLOROFLUOROMETHANE	ug/l	0.44 J	0.54 J	ND@1.0	ND@1.0	ND@1.0	ND@2.0
VINYL CHLORIDE	ug/l	ND@2.0	ND@2.0	6.9	3.4	5.0	2.9

April 18, 2013

IBM Corporation

64-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		958	958	958	958	959	959
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/23/2012	04/25/2012	07/13/2012	10/23/2012	05/15/2012	12/11/2012
Laboratory Sample I.D.		R1200471-005	R1202591-004	R1204547-005	R1207257-004	R1203110-004	R1208529-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	27	22
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1.9	1.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	2.6	2.8
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.42 J	0.43 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	120	110
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.22 J	ND@1.0	51	48
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	22	21
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.24 J	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	12	8.3

April 18, 2013

IBM Corporation

65-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		960	960	963	963	963	963
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		05/15/2012	12/12/2012	01/11/2012	04/12/2012	04/12/2012	07/12/2012
Laboratory Sample I.D.		R1203110-005	R1208581-004	R1200221-008	R1202352-005	R1202352-006	R1204510-009
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	20	20	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.7	3.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.9	1.9	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	0.25 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	82	85	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	48	43	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	24	22	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.53 J	0.27 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	12	11	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

66-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		963	963	964	964	964	964
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		07/12/2012	10/09/2012	01/11/2012	01/11/2012	04/12/2012	07/13/2012
Laboratory Sample I.D.		R1204510-010	R1206834-008	R1200221-009	R1200221-010	R1202352-007	R1204547-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

67-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		964	964	965	965	966	966
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/09/2012	10/09/2012	05/08/2012	11/13/2012	03/21/2012	09/17/2012
Laboratory Sample I.D.		R1206834-009	R1206834-010	R1202961-007	R1207850-005	R1201815-004	R1206179-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.24 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.79 J	0.89 J	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.46 J	0.53 J	5.1	5.8
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.68 J	0.76 J	0.47 J	0.55 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.83 J	0.54 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

68-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	966	987	987	987	987	987
Sample Description	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	09/17/2012	01/10/2012	01/10/2012	04/11/2012	07/11/2012	10/10/2012
Laboratory Sample I.D.	R1206179-008	R1200185-006	R1200185-007	R1202302-004	R1204462-006	R1206891-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.29 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	5.7	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.54 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.53 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

69-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	990	990	990	990	998	998
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	01/11/2012	04/11/2012	07/11/2012	10/10/2012	01/31/2012	07/23/2012
Laboratory Sample I.D.	R1200221-007	R1202302-005	R1204462-007	R1206891-005	R1200642-007	R1204713-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.27 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.8	1.8	1.5	1.7	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	0.27 J	ND@1.0	0.31 J	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

70-1

IBM East Fishkill Facility
Groundwater Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	999	999	999
Sample Description	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	01/30/2012	07/27/2012	07/27/2012
Laboratory Sample I.D.	R1200609-006	R1204893-006	R1204893-007
Sample Comment Codes			

Parameter	Units

Base/Neutral Extractables

1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0

Volatile Organics

1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.2	1.2	1.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.82 J	0.88 J	0.89 J
TRICHLOROETHYLENE	ug/l	0.29 J	0.25 J	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0

IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		007	007	007	007	010	010
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		01/30/2012	01/30/2012	07/27/2012	07/27/2012	02/09/2012	07/31/2012
Laboratory Sample I.D.		R1200609-004	R1200610-002	R1204893-004	R1204896-002	R1200908-005	R1204931-005
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.06 J	0.08 J	ND@0.10	ND@0.10	0.04 J	ND@0.10
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0037	0.0012	0.0162	0.0188	0.0084	0.0049
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		015	015	016	016	035	035
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		06/20/2012	10/30/2012	03/20/2012	09/24/2012	06/21/2012	06/21/2012
Laboratory Sample I.D.		R1203937-001	R1207464-004	R1201800-006	R1206405-001	R1203985-005	R1203985-006
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	3.81	5.43	0.45	0.50	0.05 J	0.06 J
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	0.0026	ND@0.0010	ND@0.0010	ND@0.0010	0.0011	0.0012
CHROMIUM, TOTAL	mg/l	6.40	0.207	ND@0.0010	ND@0.0010	0.0045	0.0046
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		068	068	068	068	103	103
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/18/2012	04/18/2012	07/17/2012	10/17/2012	02/14/2012	09/25/2012
Laboratory Sample I.D.		R1200382-002	R1202463-005	R1204594-006	R1207101-008	R1201021-005	R1206455-007
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.06	0.07 J	ND@0.10	0.08 J	0.10	0.10
Metals							
ARSENIC, DISSOLVED	mg/l	0.0079	ND@0.0050	0.0034 J	0.0042 J	NA	NA
ARSENIC, TOTAL	mg/l	0.0054	0.0070	0.0744	0.0151	NA	NA
CHROMIUM, DISSOLVED	mg/l	0.0006	0.0005 J	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0009	0.0017	0.0012	ND@0.0010	0.0025	0.0034
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		104	104	118	118	151	151
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/14/2012	11/14/2012	03/29/2012	10/30/2012	03/22/2012	07/31/2012
Laboratory Sample I.D.		R1201021-006	R1207924-001	R1202015-001	R1207474-002	R1201858-004	R1204932-001
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.03 J	ND@0.10	NA	NA	0.16	0.24
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	0.0027 J	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	0.0009 J	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0377	0.115	ND@0.0010	ND@0.0010	0.0026	0.0024
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		161	204	579	579	580	581
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		03/22/2012	03/28/2012	03/22/2012	12/12/2012	03/28/2012	02/09/2012
Laboratory Sample I.D.		R1201859-002	R1201938-004	R1201858-006	R1208581-005	R1201942-003	R1200910-002
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.07 J	0.35	0.06 J	ND@0.10	7.43	0.04 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	NA	ND@0.0050	ND@0.0050	ND@0.0050	NA
ARSENIC, TOTAL	mg/l	ND@0.0050	NA	ND@0.0050	ND@0.0050	ND@0.0050	NA
CHROMIUM, DISSOLVED	mg/l	0.0006 J	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0006 J	2.75	ND@0.0010	0.0408	0.0059	0.0261
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	581	627	701	701	702	702
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	07/23/2012	02/13/2012	01/31/2012	07/25/2012	01/31/2012	01/31/2012
Laboratory Sample I.D.	R1204713-004	R1200996-001	R1200642-004	R1204786-008	R1200643-002	R1200642-006
Sample Comment Codes						
Parameter	Units					
Inorganics						
FLUORIDE	mg/l	0.07 J	126	0.07 J	0.08 J	0.08 J
Metals						
ARSENIC, DISSOLVED	mg/l	NA	ND@0.0050	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	ND@0.0050	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0021	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0424	0.0029	0.0300	0.0273	0.0365
NICKEL, DISSOLVED	mg/l	NA	0.0870	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	0.0938	NA	NA	NA

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	702		702		706		706		714		714	
Sample Description	GROUNDWATER		REPLICATE		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
Sample Date	07/23/2012		07/23/2012		02/15/2012		07/31/2012		02/09/2012		07/30/2012	
Laboratory Sample I.D.	R1204713-008		R1204713-009		R1201057-007		R1204931-007		R1200908-008		R1204900-006	
Sample Comment Codes												
Parameter	Units											
Inorganics												
FLUORIDE	mg/l	0.12	0.13		0.10 J	0.08 J			0.04 J		ND@0.10	
Metals												
ARSENIC, DISSOLVED	mg/l	NA	NA		NA	NA			NA		NA	
ARSENIC, TOTAL	mg/l	NA	NA		NA	NA			NA		NA	
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010		ND@0.0010	ND@0.0010			ND@0.0010		0.0034	
CHROMIUM, TOTAL	mg/l	0.0333	0.0335		ND@0.0010	0.0016			0.0057		0.0060	
NICKEL, DISSOLVED	mg/l	NA	NA		NA	NA			NA		NA	
NICKEL, TOTAL	mg/l	NA	NA		NA	NA			NA		NA	

April 18, 2013

IBM Corporation

7-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		720	720		735	735		740		742
Sample Description		GROUNDWATER	GROUNDWATER		GROUNDWATER	GROUNDWATER		GROUNDWATER		GROUNDWATER
Sample Date		05/14/2012	09/27/2012		02/09/2012	07/30/2012		02/14/2012		05/17/2012
Laboratory Sample I.D.		R1203072-001	R1206540-006		R1200908-007	R1204900-004		R1201021-007		R1203190-004
Sample Comment Codes										
Parameter	Units									
Inorganics										
FLUORIDE	mg/l	0.10 J	ND@0.10		13.2	53.6		7.69		0.08 J
Metals										
ARSENIC, DISSOLVED	mg/l	NA	NA		ND@0.0050	ND@0.0050		ND@0.0050		ND@0.0050
ARSENIC, TOTAL	mg/l	NA	NA		ND@0.0050	ND@0.0050		ND@0.0050		ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010		0.0011	0.0014		ND@0.0010		0.0011
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0028		0.0027	0.0019		ND@0.0010		0.0022
NICKEL, DISSOLVED	mg/l	NA	NA		0.0024 J	NA		NA		NA
NICKEL, TOTAL	mg/l	NA	NA		0.0059	NA		NA		NA

April 18, 2013

IBM Corporation

8-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location	742	742	743	744	744	744
Sample Description	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date	05/17/2012	12/13/2012	03/28/2012	01/18/2012	04/19/2012	04/19/2012
Laboratory Sample I.D.	R1203190-005	R1208615-005	R1201938-005	R1200376-008	R1202503-001	R1202500-006
Sample Comment Codes						
Parameter	Units					
Inorganics						
FLUORIDE	mg/l	0.08 J	ND@0.10	0.14	0.05	0.07 J
Metals						
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	NA	NA
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	NA	NA
CHROMIUM, DISSOLVED	mg/l	0.0013	ND@0.0010	0.0009 J	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0022	0.0038	0.0119	ND@0.0010	0.0016
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

9-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location	744	744	744	745	745	745
Sample Description	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	07/16/2012	07/16/2012	11/01/2012	01/19/2012	04/19/2012	07/16/2012
Laboratory Sample I.D.	R1204544-004	R1204544-006	R1207501-006	R1200405-004	R1202503-002	R1204544-005
Sample Comment Codes						
Parameter	Units					
Inorganics						
FLUORIDE	mg/l	0.06 J	ND@0.10	ND@0.10	0.08 J	0.15
Metals						
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	0.0031	0.0039
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	0.0034	0.0050
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

10-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	745	751	751	753	753	754	
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	
Sample Date	10/18/2012	05/16/2012	10/31/2012	05/16/2012	10/31/2012	04/17/2012	
Laboratory Sample I.D.	R1207170-004	R1203195-001	R1207473-001	R1203195-002	R1207473-002	R1202428-004	
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.09 J	0.16	ND@0.10	0.14	0.13	0.08 J
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	NA	ND@0.0050
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	NA	0.0030 J
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0012	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0176	0.0032	ND@0.0010	ND@0.0010	0.0017
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

11-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		755	755	755	755	761	761
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/18/2012	04/18/2012	07/16/2012	10/17/2012	01/31/2012	07/23/2012
Laboratory Sample I.D.		R1200382-001	R1202463-004	R1204544-009	R1207101-007	R1200643-005	R1204729-003
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.13	0.14	0.07 J	0.12	0.05 J	0.08 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	NA	NA
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0009 J	ND@0.0010	0.0015	0.987	1.11
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

12-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	761	763	763	766	766	766	
Sample Description	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	
Sample Date	07/23/2012	01/31/2012	07/25/2012	02/13/2012	02/13/2012	07/30/2012	
Laboratory Sample I.D.	R1204729-004	R1200643-006	R1204786-009	R1200996-003	R1200996-004	R1204903-002	
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.06 J	0.07 J	0.10	3.55	3.55	5.00
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	0.0051	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	NA	NA	NA	0.0193	0.0135	0.0231
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	0.0011
CHROMIUM, TOTAL	mg/l	1.07	0.0090	0.0150	0.570	0.426	1.13
NICKEL, DISSOLVED	mg/l	NA	NA	NA	0.127	0.128	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	0.267	0.253	NA

April 18, 2013

IBM Corporation

13-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		767	767		768	768		769	769
Sample Description		GROUNDWATER	GROUNDWATER		GROUNDWATER	GROUNDWATER		GROUNDWATER	REPLICATE
Sample Date		03/14/2012	10/31/2012		03/14/2012	10/31/2012		02/14/2012	02/14/2012
Laboratory Sample I.D.		R1201679-001	R1207473-003		R1201679-002	R1207471-007		R1201022-004	R1201021-009
Sample Comment Codes									
Parameter	Units								
Inorganics									
FLUORIDE	mg/l	3.17	5.15		1.18	0.98		ND@0.10	ND@0.10
Metals									
ARSENIC, DISSOLVED	mg/l	0.0027 J	0.0156		ND@0.0050	ND@0.0050		ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	0.0035 J	0.0128		ND@0.0050	ND@0.0050		0.0158	0.0163
CHROMIUM, DISSOLVED	mg/l	0.0031	0.0668		0.0020	0.0101		0.0006 J	0.0015
CHROMIUM, TOTAL	mg/l	0.0891	0.103		0.0410	1.12		7.42	7.57
NICKEL, DISSOLVED	mg/l	NA	NA		0.163	NA		0.120	0.116
NICKEL, TOTAL	mg/l	NA	NA		0.155	NA		0.586	0.607

April 18, 2013

IBM Corporation

14-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	769	769	771	772	772	772	
Sample Description	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	
Sample Date	07/31/2012	07/31/2012	03/14/2012	01/24/2012	04/26/2012	07/17/2012	
Laboratory Sample I.D.	R1204931-006	R1204931-008	R1201677-007	R1200505-007	R1202637-001	R1204594-004	
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.18 J	0.21	ND@0.10	0.06 J	0.11	0.06 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	0.0040 J	0.0048 J	ND@0.015	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	0.0016	0.0015	ND@0.0010	0.0009	ND@0.0010	0.0012
CHROMIUM, TOTAL	mg/l	2.33	2.48	14.3	0.107	0.177	0.0536
NICKEL, DISSOLVED	mg/l	NA	NA	NA	0.0331	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	0.0443	NA	NA

April 18, 2013

IBM Corporation

15-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	772	773	773	773	773	773	
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	
Sample Date	10/18/2012	01/18/2012	04/24/2012	07/17/2012	10/18/2012	10/18/2012	
Laboratory Sample I.D.	R1207171-004	R1200376-007	R1202569-005	R1204594-005	R1207171-002	R1207171-003	
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	ND@0.10	0.07	0.12	0.11 J	ND@0.10	0.08 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	0.0034	0.0039	0.0018	0.0034	0.0063	0.0070
CHROMIUM, TOTAL	mg/l	0.120	0.280	0.159	3.15	0.269	0.241
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

16-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		774	774	774	774	774	774
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		01/19/2012	01/19/2012	04/24/2012	07/16/2012	07/16/2012	11/15/2012
Laboratory Sample I.D.		R1200406-002	R1200406-003	R1202569-006	R1204544-007	R1204546-005	R1207919-004
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.04 J	0.04 J	0.09 J	ND@0.40	ND@0.40	0.04 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0059	0.0095	0.0125	0.0443	0.0280	0.0123
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

17-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		774	775	789	789	791	792
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		11/15/2012	02/15/2012	02/13/2012	02/13/2012	02/14/2012	06/21/2012
Laboratory Sample I.D.		R1207919-007	R1201057-008	R1200996-005	R1200996-006	R1201021-010	R1203985-004
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.04 J	0.10 J	0.17	0.16	0.15 J	0.09 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	0.0155	0.0101	0.0109	0.0110	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0022	0.0036	0.0036	0.0033	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0117	5.08	2.20	2.00	4.11	6.18
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

18-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		793	793	793	952	952	952
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		02/13/2012	09/26/2012	09/26/2012	05/16/2012	05/16/2012	12/10/2012
Laboratory Sample I.D.		R1200996-002	R1206487-007	R1206488-002	R1203192-006	R1203192-007	R1208508-017
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.18 J	0.08 J	0.06 J	0.05 J	0.05 J	ND@0.10
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	0.0059	0.0043	0.0045	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.929	2.15	2.16	ND@0.0010	0.0018	ND@0.0010
NICKEL, DISSOLVED	mg/l	0.182	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	0.341	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

19-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		952	959	959	960	960	998
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		12/10/2012	05/15/2012	12/11/2012	05/15/2012	12/12/2012	01/31/2012
Laboratory Sample I.D.		R1208508-018	R1203110-004	R1208529-008	R1203111-002	R1208581-004	R1200642-007
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	ND@0.10	0.18	0.14	0.29	0.19	0.13
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	NA
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	0.0354	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0009 J	ND@0.0010	ND@0.0010	ND@0.0010	0.0066
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

April 18, 2013

IBM Corporation

20-1

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location		998	999	999	999
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		07/23/2012	01/30/2012	07/27/2012	07/27/2012
Laboratory Sample I.D.		R1204713-005	R1200609-006	R1204896-003	R1204893-007
Sample Comment Codes					
Parameter	Units				
Inorganics					
FLUORIDE	mg/l	0.19	0.05 J	ND@0.10	ND@0.10
Metals					
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0051	0.0015	0.0029	0.0022
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA

IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

IBM East Fishkill Facility
Production Well Termination Sampling - Non-CAP Organics
January 1, 2012 - December 31, 2012

Sample Location	606		606	732	732	734	734
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	06/19/2012	12/17/2012	05/11/2012	12/12/2012	05/07/2012	12/12/2012	
Laboratory Sample I.D.	R1203916-006	R1208675-004	R1203062-005	R1208581-008	R1202921-008	R1208581-007	
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	0.56 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	430	420	2.3	2.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	9.3 J	12 J	0.61 J	0.99 J
ACETONE	ug/l	1.2 J	4.1 J	ND@130	ND@130	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	310	400	1.2	2.9
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@50	ND@50	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	19	3800	3600	18	50
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	1100	1100	4.0	11
TRICHLOROFLUOROMETHANE	ug/l	0.22 J	ND@1.0	8.8 J	12 J	0.81 J	0.62 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@25	ND@25	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Production Well Termination Sampling - Non-CAP Organics
January 1, 2012 - December 31, 2012

Sample Location	737	737	
Sample Description	GROUNDWATER	GROUNDWATER	
Sample Date	05/09/2012	11/15/2012	
Laboratory Sample I.D.	R1202964-005	R1207919-005	
Sample Comment Codes			
Parameter	Units		
Base/Neutral Extractables			
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0
Volatile Organics			
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	5.9	4.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.21 J
ACETONE	ug/l	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	6.4	3.1
TRICHLOROETHYLENE	ug/l	1.4	0.69 J
TRICHLOROFLUOROMETHANE	ug/l	0.53 J	0.40 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Production Well Termination Sampling - Non-CAP Organics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

IBM East Fishkill Facility
B/330D Investigation New Well Sampling Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	638	638	638	638	640	640
Sample Description	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date	01/19/2012	04/10/2012	07/11/2012	10/16/2012	01/19/2012	04/10/2012
Laboratory Sample I.D.	R1200405-007	R1202261-005	R1204462-005	R1207070-004	R1200405-008	R1202261-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	7.4	12
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	62	110
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	7.4	13
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
B/330D Investigation New Well Sampling Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	640	640
Sample Description	GROUNDWATER	GROUNDWATER
Sample Date	07/11/2012	10/16/2012
Laboratory Sample I.D.	R1204462-004	R1207070-005
Sample Comment Codes		
Parameter	Units	
Base/Neutral Extractables		
1,2-DICHLOROBENZENE	ug/l	ND@1.0
Volatile Organics		
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0
ACETONE	ug/l	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	16
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0
M,P-XYLENE	ug/l	ND@2.0
O-XYLENE	ug/l	ND@1.0
TETRACHLOROETHYLENE	ug/l	120
TRICHLOROETHYLENE	ug/l	16
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
B/330D Investigation New Well Sampling Data - Organics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

IBM Corporation

Appendix E

Production Well Analytical Data (Organics): January 1, 2012 to December 31, 2012
Production Well Analytical Data (Inorganics): January 1, 2012 to December 31, 2012

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1
Sample Description	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	01/03/2012	01/03/2012	02/01/2012	03/07/2012	04/27/2012	05/02/2012
Laboratory Sample I.D.	R1200021-004	R1200021-005	R1200672-004	R1201509-005	R1202706-001	R1202782-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	2.8	3.0	3.0	3.1	2.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.8	1.7	2.0	1.9	2.2	1.9
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	26	26	26	22	20	21
TRICHLOROETHYLENE	ug/l	9.0	9.1	9.3	8.3	8.0	8.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1
Sample Description	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL
Sample Date	05/02/2012	06/05/2012	07/02/2012	08/01/2012	08/01/2012	09/04/2012
Laboratory Sample I.D.	R1202782-005	R1203600-004	R1204226-004	R1204974-004	R1204974-005	R1205803-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	3.6	3.2	3.2	3.1	3.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.9	2.3	2.3	1.8	1.8	2.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	21	29	20	23	24	22
TRICHLOROETHYLENE	ug/l	7.8	12	8.2	8.5	8.5	8.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 1	PW- 1	PW- 1	PW- 1	PW- 2	PW- 2
Sample Description	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	10/01/2012	10/01/2012	11/05/2012	12/06/2012	01/03/2012	02/01/2012
Laboratory Sample I.D.	R1206588-012	R1206588-013	R1207575-004	R1208381-004	R1200021-006	R1200672-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.6	2.8	2.6	3.0	200
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	110 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	1.7	1.9	1.8	1.8	940
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@200
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
TETRACHLOROETHYLENE	ug/l	20	22	19	23	14000
TRICHLOROETHYLENE	ug/l	8.1	8.7	7.8	8.6	1300
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@100
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	79 J

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 2	PW- 2	PW- 2	PW- 2	PW- 2	PW- 2
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	03/07/2012	04/02/2012	05/02/2012	06/05/2012	07/02/2012	08/01/2012
Laboratory Sample I.D.	R1201509-006	R1202043-004	R1202782-008	R1203600-005	R1204226-005	R1204974-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	250	280	260	250	280
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
ACETONE	ug/l	ND@500	ND@500	110 J	ND@500	ND@500
CHLOROBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	1300	1400	1300	1600	1700
DICHLORODIFLUOROMETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
ETHYLBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
M,P-XYLENE	ug/l	ND@200	ND@200	ND@200	ND@200	ND@200
O-XYLENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
TETRACHLOROETHYLENE	ug/l	14000	16000	15000	15000	13000
TRICHLOROETHYLENE	ug/l	1400	1600	1400	1700	1600
TRICHLOROFLUOROMETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100
VINYL CHLORIDE	ug/l	90 J	110	110	110	130

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW- 2		PW- 2		PW- 2		PW- 2		PW- 4		PW- 4	
Sample Description	PUMPING WELL		PUMPING WELL		PUMPING WELL		PUMPING WELL		PUMPING WELL		PUMPING WELL	
Sample Date	09/04/2012		10/01/2012		11/05/2012		12/05/2012		01/03/2012		02/01/2012	
Laboratory Sample I.D.	R1205803-005		R1206588-009		R1207575-006		R1208332-004		R1200021-008		R1200672-006	
Sample Comment Codes												
Parameter	Units											
Base/Neutral Extractables												
1,2-DICHLOROBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
Volatile Organics												
1,1,1-TRICHLOROETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	260	230	240	240	320	3.4	3.3				
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	24 J	ND@1.0	ND@1.0				
ACETONE	ug/l	ND@500	ND@500	ND@500	ND@500	ND@500	ND@5.0	ND@5.0				
CHLOROBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
CIS-1,2-DICHLOROETHYLENE	ug/l	1400	1500	1500	1500	1900	3.8	3.9				
DICHLORODIFLUOROMETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
ETHYLBENZENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
M,P-XYLENE	ug/l	ND@200	ND@200	ND@200	ND@200	ND@200	ND@2.0	ND@2.0				
O-XYLENE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	ND@1.0	ND@1.0				
TETRACHLOROETHYLENE	ug/l	16000	13000	14000	16000	16000	160	150				
TRICHLOROETHYLENE	ug/l	1400	1400	1400	1400	1700	41	40				
TRICHLOROFLUOROMETHANE	ug/l	ND@100	ND@100	ND@100	ND@100	ND@100	0.92 J	1.0				
VINYL CHLORIDE	ug/l	140	110	110	110	150	ND@1.0	ND@1.0				

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		PW- 4	PW- 4	PW- 4	PW- 4	PW- 4	PW- 4
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		03/07/2012	04/02/2012	05/02/2012	06/05/2012	07/02/2012	08/01/2012
Laboratory Sample I.D.		R1201509-007	R1202043-005	R1202782-011	R1203600-006	R1204226-006	R1204974-007
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.1	3.3	2.5	2.8	3.4	3.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.42 J	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	4.0	3.8	3.8	4.0	4.7	3.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	130	140	120	120	120	130
TRICHLOROETHYLENE	ug/l	35	37	31	35	38	34
TRICHLOROFLUOROMETHANE	ug/l	1.2	1.3	1.0	1.1	1.2	1.2
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		PW- 4	PW- 4	PW- 4	PW- 4	PW- 5 [OFF]	PW- 5 [OFF]
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		09/04/2012	10/01/2012	11/05/2012	12/05/2012	01/04/2012	02/08/2012
Laboratory Sample I.D.		R1205803-006	R1206588-010	R1207575-007	R1208332-005	R1200056-004	R1200877-005
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.9	2.8	2.9	3.2	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.28 J	0.26 J	0.31 J	0.31 J	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.5	3.7	4.0	4.2	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	120	120	110	110	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	33	35	35	38	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	1.3	1.2	1.3	1.4	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

7-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL
Sample Date		03/08/2012	04/03/2012	05/21/2012	06/07/2012	06/07/2012	07/03/2012
Laboratory Sample I.D.		R1201567-007	R1202093-004	R1203241-004	R1203666-004	R1203666-009	R1204289-006
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.32 J	0.21 J	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

8-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]
Sample Description	REPLICATE	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	07/03/2012	08/07/2012	09/05/2012	09/05/2012	10/02/2012	11/06/2012
Laboratory Sample I.D.	R1204289-007	R1205113-005	R1205858-009	R1205858-011	R1206634-009	R1207616-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	0.28 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

9-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 5 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	12/06/2012	01/04/2012	02/08/2012	02/08/2012	03/08/2012	04/03/2012
Laboratory Sample I.D.	R1208381-005	R1200056-005	R1200877-006	R1200877-007	R1201567-008	R1202093-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.21 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

10-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	05/03/2012	06/07/2012	07/03/2012	08/06/2012	09/05/2012	10/02/2012
Laboratory Sample I.D.	R1202812-008	R1203666-005	R1204289-004	R1205058-006	R1205858-010	R1206634-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

11-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW- 6 [OFF]	PW- 6 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	11/06/2012	12/06/2012	01/04/2012	02/08/2012	03/08/2012	04/03/2012
Laboratory Sample I.D.	R1207616-005	R1208381-006	R1200056-006	R1200877-008	R1201567-009	R1202093-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	2.7	2.1	1.8	1.8
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	14	11	6.7	6.4
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	4.6	3.9	2.5	2.4
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

12-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	05/03/2012	06/07/2012	07/03/2012	08/07/2012	09/05/2012	10/02/2012
Laboratory Sample I.D.	R1202812-009	R1203666-006	R1204289-005	R1205113-004	R1205858-006	R1206634-010
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.6	1.8	1.7	1.8	1.6	1.9
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	4.9	4.9	4.9	4.1	4.1	4.0
TRICHLOROETHYLENE	ug/l	2.0	2.1	2.1	2.0	1.8	1.9
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

13-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW-23	PW-23	PW-23
Sample Description	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	11/06/2012	12/06/2012	12/06/2012	01/03/2012	02/01/2012	03/07/2012
Laboratory Sample I.D.	R1207616-008	R1208381-007	R1208381-008	R1200021-007	R1200672-007	R1201509-009
Sample Comment Codes						

Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.9	1.5	1.7	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	3.4	4.2	4.1	2.2	2.1
TRICHLOROETHYLENE	ug/l	1.7	1.5	1.5	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

14-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW-23	PW-23	PW-23	PW-23	PW-23	PW-23
Sample Description	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	03/07/2012	04/02/2012	05/02/2012	06/05/2012	07/02/2012	08/01/2012
Laboratory Sample I.D.	R1201509-010	R1202043-008	R1202782-010	R1203600-007	R1204226-008	R1204974-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.7	1.0	1.1	1.3	1.0	1.6
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

15-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW-23	PW-23	PW-23	PW-23	PW-23	PW-25
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	09/04/2012	10/01/2012	11/05/2012	11/05/2012	12/05/2012	01/03/2012
Laboratory Sample I.D.	R1205803-007	R1206588-004	R1207575-008	R1207575-005	R1208332-006	R1200021-009
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	18
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@25
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	43
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@10
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
TETRACHLOROETHYLENE	ug/l	1.4	1.3	2.4	2.4	1.2	660
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	160
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0

April 18, 2013

IBM Corporation

16-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW-25	PW-25	PW-25	PW-25	PW-25	PW-25
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	02/01/2012	03/07/2012	04/02/2012	04/02/2012	05/02/2012	06/05/2012
Laboratory Sample I.D.	R1200672-008	R1201509-008	R1202043-006	R1202043-007	R1202782-009	R1203600-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	8.6	19	19	19	17	19
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ACETONE	ug/l	ND@25	ND@25	ND@25	ND@25	ND@25	ND@25
CHLOROBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	47	50	51	48	49	56
DICHLORODIFLUOROMETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ETHYLBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
M,P-XYLENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@10	ND@10
O-XYLENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TETRACHLOROETHYLENE	ug/l	510	590	640	600	560	630
TRICHLOROETHYLENE	ug/l	140	150	160	150	140	170
TRICHLOROFLUOROMETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
VINYL CHLORIDE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0

April 18, 2013

IBM Corporation

17-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	PW-25	PW-25	PW-25	PW-25	PW-25	PW-25
Sample Description	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	07/02/2012	08/01/2012	09/04/2012	10/01/2012	11/05/2012	12/05/2012
Laboratory Sample I.D.	R1204226-007	R1204974-009	R1205803-008	R1206588-011	R1207575-009	R1208332-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	23	22	21	19	21	25
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ACETONE	ug/l	ND@25	ND@25	ND@25	ND@25	ND@25	ND@25
CHLOROBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	59	54	53	53	57	58
DICHLORODIFLUOROMETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ETHYLBENZENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
M,P-XYLENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@10	ND@10
O-XYLENE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TETRACHLOROETHYLENE	ug/l	630	730	720	620	680	620
TRICHLOROETHYLENE	ug/l	180	170	170	150	180	180
TRICHLOROFLUOROMETHANE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
VINYL CHLORIDE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0

April 18, 2013

IBM Corporation

18-1

IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1
Sample Description	PUMPING WELL	REPLICATE	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	01/03/2012	01/03/2012	05/02/2012	05/02/2012	07/02/2012	10/01/2012
Laboratory Sample I.D.	R1200021-004	R1200021-005	R1202791-001	R1202782-005	R1204226-004	R1206588-012
Sample Comment Codes						

Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.07	0.08	0.10 J	0.11	0.06 J	ND@0.10
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	PW- 1	PW- 2	PW- 2	PW- 2	PW- 2	PW- 4
Sample Description	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date	10/01/2012	01/03/2012	04/02/2012	07/02/2012	10/01/2012	01/03/2012
Laboratory Sample I.D.	R1206589-005	R1200021-006	R1202046-001	R1204226-005	R1206588-009	R1200024-004
Sample Comment Codes						

Parameter	Units						
Inorganics							
FLUORIDE	mg/l	ND@0.10	0.24	0.29	0.40	0.19	0.07
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		PW- 4	PW- 4	PW- 4	PW- 5 [OFF]	PW- 5 [OFF]	PW- 5 [OFF]
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		04/02/2012	07/02/2012	10/01/2012	01/04/2012	04/03/2012	07/03/2012
Laboratory Sample I.D.		R1202043-005	R1204226-006	R1206589-002	R1200056-004	R1202093-004	R1204290-003
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.10 J	ND@0.10	ND@0.10	0.05	0.07 J	0.06 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	0.0081	ND@0.0010	0.0014

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		PW- 5 [OFF]	PW- 5 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]	PW- 6 [OFF]
Sample Description		REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		07/03/2012	10/02/2012	01/04/2012	04/03/2012	07/03/2012	10/02/2012
Laboratory Sample I.D.		R1204289-007	R1206634-009	R1200056-005	R1202095-002	R1204289-004	R1206634-008
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.07 J	0.04 J	0.09	0.11	0.11	0.09 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0014	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		01/04/2012	02/08/2012	03/08/2012	04/03/2012	05/03/2012	06/07/2012
Laboratory Sample I.D.		R1200059-003	R1200877-008	R1201569-001	R1202093-006	R1202812-009	R1203666-006
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.07	0.06 J	0.08 J	0.09 J	0.09 J	0.11
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	NA	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	NA	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location		PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]	PW- 7 [OFF]
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		07/03/2012	08/07/2012	09/05/2012	10/02/2012	11/06/2012	12/06/2012
Laboratory Sample I.D.		R1204289-005	R1205116-001	R1205858-006	R1206636-003	R1207617-001	R1208389-001
Sample Comment Codes							
Parameter	Units						
Inorganics							
FLUORIDE	mg/l	0.08 J	0.05 J	0.05 J	0.06 J	ND@0.10	0.06 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics

January 1, 2012 - December 31, 2012

Sample Location	PW- 7 [OFF]	PW-25	PW-25	PW-25	PW-25	PW-25
Sample Description	REPLICATE	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date	12/06/2012	01/03/2012	04/02/2012	04/02/2012	07/02/2012	10/01/2012
Laboratory Sample I.D.	R1208381-008	R1200024-005	R1202043-006	R1202046-004	R1204226-007	R1206589-003
Sample Comment Codes						
Parameter	Units					
Inorganics						
FLUORIDE	mg/l	0.06 J	0.09	0.09 J	0.10	0.07 J
0.06 J						
0.09						
0.09 J						
0.10						
0.07 J						
0.06 J						
Metals						
ARSENIC, DISSOLVED	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	0.0010

IBM East Fishkill Facility
Production Well Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

Appendix F

Quality Assurance/Quality Control Analytical Data: January 1, 2012 to December 31, 2012

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	01/03/2012	01/04/2012	01/05/2012	01/10/2012	01/11/2012	01/12/2012
Laboratory Sample I.D.	R1200021-002	R1200056-002	R1200094-002	R1200185-002	R1200221-002	R1200267-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.0 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	01/16/2012	01/17/2012	01/18/2012	01/19/2012	01/23/2012	01/24/2012
Laboratory Sample I.D.	R1200303-002	R1200345-002	R1200376-002	R1200405-002	R1200471-002	R1200505-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.0 J	ND@5.0	1.3 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	01/25/2012	01/30/2012	01/31/2012	02/01/2012	02/02/2012	02/08/2012
Laboratory Sample I.D.	R1200541-002	R1200609-002	R1200642-002	R1200672-002	R1200729-002	R1200877-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.1 J	1.3 J	ND@5.0	ND@5.0	1.0 J	1.0 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	02/09/2012	02/13/2012	02/14/2012	02/15/2012	02/16/2012	03/06/2012
Laboratory Sample I.D.	R1200908-003	R1200995-003	R1201021-003	R1201057-003	R1201098-003	R1201472-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.9 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	03/07/2012	03/08/2012	03/09/2012	03/13/2012	03/14/2012	03/15/2012
Laboratory Sample I.D.	R1201509-003	R1201567-003	R1201594-003	R1201654-003	R1201677-003	R1201735-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.1 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	03/19/2012	03/20/2012	03/21/2012	03/22/2012	03/26/2012	03/28/2012
Laboratory Sample I.D.	R1201766-003	R1201800-002	R1201815-002	R1201858-002	R1201897-002	R1201938-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.7 J	1.4 J	1.8 J	1.7 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	03/28/2012	03/29/2012	04/02/2012	04/03/2012	04/05/2012	04/09/2012
Laboratory Sample I.D.	R1201977-002	R1201990-002	R1202043-002	R1202093-002	R1202185-002	R1202215-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.8 J	1.4 J	ND@5.0	ND@5.0	2.2 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

7-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	04/10/2012	04/11/2012	04/12/2012	04/16/2012	04/17/2012	04/18/2012
Laboratory Sample I.D.	R1202261-002	R1202302-002	R1202352-002	R1202391-002	R1202428-002	R1202463-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.6 J	1.5 J	1.6 J	1.0 J	1.1 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

8-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	04/19/2012	04/23/2012	04/24/2012	04/25/2012	04/26/2012	05/01/2012
Laboratory Sample I.D.	R1202500-002	R1202551-002	R1202569-002	R1202591-002	R1202635-002	R1202749-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.1 J	ND@5.0	ND@5.0	1.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

9-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	05/03/2012	05/04/2012	05/07/2012	05/08/2012	05/09/2012	05/10/2012
Laboratory Sample I.D.	R1202812-002	R1202878-002	R1202921-002	R1202961-002	R1202964-002	R1203011-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.9 J	1.7 J	6.5	8.8	8.3	6.7
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

10-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	05/11/2012	05/14/2012	05/15/2012	05/16/2012	05/17/2012	05/21/2012
Laboratory Sample I.D.	R1203062-002	R1203070-002	R1203110-002	R1203192-002	R1203190-002	R1203241-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	4.8 J	ND@5.0	ND@5.0	0.98 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

11-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	06/05/2012	06/08/2012	06/11/2012	06/12/2012	06/13/2012	06/14/2012
Laboratory Sample I.D.	R1203600-002	R1203691-002	R1203723-002	R1203770-002	R1203794-002	R1203833-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.4 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

12-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	SUBM PUMP	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	06/18/2012	06/19/2012	06/20/2012	06/21/2012	06/29/2012	07/02/2012
Laboratory Sample I.D.	R1203868-002	R1203916-002	R1203935-002	R1203985-002	R1204195-002	R1204226-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.1 J	1.2 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

13-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	07/03/2012	07/05/2012	07/06/2012	07/09/2012	07/10/2012	07/11/2012
Laboratory Sample I.D.	R1204289-002	R1204298-002	R1204354-002	R1204353-002	R1204390-002	R1204462-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	2.1 J	1.0 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

14-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	07/12/2012	07/13/2012	07/16/2012	07/17/2012	07/18/2012	07/23/2012
Laboratory Sample I.D.	R1204510-002	R1204547-002	R1204544-002	R1204594-002	R1204630-002	R1204713-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.0 J	ND@5.0	ND@5.0	ND@5.0	1.6 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

15-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	07/25/2012	07/27/2012	07/30/2012	07/31/2012	08/01/2012	08/06/2012
Laboratory Sample I.D.	R1204786-002	R1204893-002	R1204900-002	R1204931-002	R1204974-002	R1205058-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.3 J	ND@5.0	ND@5.0	1.5 J	0.98 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

16-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	08/08/2012	08/09/2012	09/04/2012	09/05/2012	09/11/2012	09/13/2012
Laboratory Sample I.D.	R1205176-002	R1205244-002	R1205803-002	R1205858-002	R1206025-002	R1206114-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.6 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	3.5 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

17-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	09/14/2012	09/17/2012	09/19/2012	09/24/2012	09/25/2012	09/26/2012
Laboratory Sample I.D.	R1206171-002	R1206179-002	R1206286-002	R1206404-002	R1206455-002	R1206487-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	7.4	3.0 J	3.9 J	1.3 J	ND@5.0	1.3 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

18-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	09/27/2012	10/01/2012	10/02/2012	10/04/2012	10/09/2012	10/10/2012
Laboratory Sample I.D.	R1206540-002	R1206588-002	R1206634-002	R1206741-002	R1206834-002	R1206891-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.2 J	ND@5.0	1.7 J	1.4 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

19-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	10/16/2012	10/17/2012	10/18/2012	10/23/2012	10/24/2012	10/25/2012
Laboratory Sample I.D.	R1207070-002	R1207101-002	R1207170-002	R1207257-002	R1207281-002	R1207326-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.1 BJ	2.4 BJ	1.4 J	1.3 J	1.9 BJ	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

20-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	10/30/2012	10/31/2012	11/01/2012	11/05/2012	11/06/2012	11/08/2012
Laboratory Sample I.D.	R1207464-002	R1207471-002	R1207501-002	R1207575-002	R1207616-002	R1207717-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

21-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	11/12/2012	11/13/2012	11/14/2012	11/15/2012	11/19/2012	11/20/2012
Laboratory Sample I.D.	R1207776-002	R1207850-002	R1207886-002	R1207919-002	R1207997-002	R1208044-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

22-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date	11/26/2012	12/05/2012	12/06/2012	12/10/2012	12/12/2012	12/13/2012
Laboratory Sample I.D.	R1208080-002	R1208332-002	R1208381-002	R1208508-002	R1208581-002	R1208615-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

23-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	FIELD BLANK	FIELD BLANK
Sample Description	WTR LVL IND	SUBM PUMP	WTR LVL IND	WTR LVL IND		
Sample Date	12/14/2012	12/17/2012	12/18/2012	12/19/2012	01/03/2012	01/04/2012
Laboratory Sample I.D.	R1208630-002	R1208675-002	R1208740-002	R1208712-002	R1200021-003	R1200056-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.3 J	2.0 J	1.4 J	2.1 J	1.4 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

24-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	01/05/2012	01/09/2012	01/10/2012	01/11/2012	01/12/2012	01/16/2012
Laboratory Sample I.D.	R1200094-003	R1200139-003	R1200185-003	R1200221-003	R1200267-003	R1200303-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	0.98 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

25-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	01/17/2012	01/18/2012	01/19/2012	01/23/2012	01/24/2012	01/25/2012
Laboratory Sample I.D.	R1200345-003	R1200376-003	R1200405-003	R1200471-003	R1200505-003	R1200541-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.1 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

26-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	01/30/2012	01/31/2012	02/01/2012	02/02/2012	02/08/2012	02/09/2012
Laboratory Sample I.D.	R1200609-003	R1200642-003	R1200672-003	R1200729-003	R1200877-004	R1200908-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.1 J	ND@5.0	ND@5.0	1.2 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

27-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	02/13/2012	02/14/2012	02/15/2012	02/16/2012	03/06/2012	03/07/2012
Laboratory Sample I.D.	R1200995-004	R1201021-004	R1201057-004	R1201098-004	R1201472-005	R1201509-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.1 J	1.1 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

28-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	03/08/2012	03/09/2012	03/12/2012	03/13/2012	03/14/2012	03/15/2012
Laboratory Sample I.D.	R1201567-004	R1201594-004	R1201605-004	R1201654-004	R1201677-004	R1201735-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

29-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	03/19/2012	03/20/2012	03/21/2012	03/22/2012	03/26/2012	03/28/2012
Laboratory Sample I.D.	R1201766-004	R1201800-003	R1201815-003	R1201858-003	R1201897-003	R1201938-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.3 J	1.4 J	1.9 J	1.2 J	1.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

30-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	03/28/2012	03/29/2012	04/02/2012	04/03/2012	04/04/2012	04/05/2012
Laboratory Sample I.D.	R1201977-003	R1201990-003	R1202043-003	R1202093-003	R1202125-003	R1202185-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.7 J	2.2 J	ND@5.0	ND@5.0	ND@5.0	2.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

31-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	04/09/2012	04/10/2012	04/11/2012	04/12/2012	04/16/2012	04/17/2012
Laboratory Sample I.D.	R1202215-003	R1202261-003	R1202302-003	R1202352-003	R1202391-003	R1202428-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.6 J	1.9 J	1.6 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

32-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	04/18/2012	04/19/2012	04/23/2012	04/24/2012	04/25/2012	04/26/2012
Laboratory Sample I.D.	R1202463-003	R1202500-003	R1202551-003	R1202569-003	R1202591-003	R1202635-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.6 J	ND@5.0	1.1 J	1.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

33-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	05/01/2012	05/02/2012	05/03/2012	05/04/2012	05/07/2012	05/08/2012
Laboratory Sample I.D.	R1202749-003	R1202782-003	R1202812-003	R1202878-003	R1202921-003	R1202961-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	0.98 J	1.0 J	1.5 J	1.4 J	6.3	8.8
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.31 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

34-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	05/09/2012	05/10/2012	05/11/2012	05/14/2012	05/15/2012	05/16/2012
Laboratory Sample I.D.	R1202964-003	R1203011-003	R1203062-003	R1203070-003	R1203110-003	R1203192-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	8.0	7.0	5.0 J	ND@5.0	1.2 J	1.1 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

35-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	05/17/2012	05/21/2012	06/05/2012	06/07/2012	06/08/2012	06/11/2012
Laboratory Sample I.D.	R1203190-003	R1203241-003	R1203600-003	R1203666-003	R1203691-003	R1203723-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.3 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

36-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	06/12/2012	06/13/2012	06/14/2012	06/18/2012	06/19/2012	06/20/2012
Laboratory Sample I.D.	R1203770-003	R1203794-003	R1203833-003	R1203868-003	R1203916-003	R1203935-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.3 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

37-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	06/21/2012	06/29/2012	07/02/2012	07/03/2012	07/05/2012	07/06/2012
Laboratory Sample I.D.	R1203985-003	R1204195-003	R1204226-003	R1204289-003	R1204298-003	R1204354-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.1 J	1.1 J	ND@5.0	3.2 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

38-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	07/09/2012	07/10/2012	07/11/2012	07/12/2012	07/13/2012	07/16/2012
Laboratory Sample I.D.	R1204353-003	R1204390-003	R1204462-003	R1204510-003	R1204547-003	R1204544-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.1 J	1.2 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

39-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	07/17/2012	07/18/2012	07/23/2012	07/25/2012	07/27/2012	07/30/2012
Laboratory Sample I.D.	R1204594-003	R1204630-003	R1204713-003	R1204786-003	R1204893-003	R1204900-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	0.98 J	1.4 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

40-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	07/31/2012	08/01/2012	08/06/2012	08/07/2012	08/08/2012	08/09/2012
Laboratory Sample I.D.	R1204931-003	R1204974-003	R1205058-003	R1205113-003	R1205176-003	R1205244-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.5 J	1.3 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

41-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	09/04/2012	09/05/2012	09/11/2012	09/13/2012	09/14/2012	09/17/2012
Laboratory Sample I.D.	R1205803-003	R1205858-003	R1206025-003	R1206114-003	R1206171-003	R1206179-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.5 J	4.2 J	6.7	2.4 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

42-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	09/19/2012	09/24/2012	09/25/2012	09/26/2012	09/27/2012	10/01/2012
Laboratory Sample I.D.	R1206286-003	R1206404-003	R1206455-003	R1206487-003	R1206540-003	R1206588-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	3.6 J	ND@5.0	2.4 J	1.3 J	1.6 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

43-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	10/02/2012	10/03/2012	10/04/2012	10/09/2012	10/10/2012	10/16/2012
Laboratory Sample I.D.	R1206634-003	R1206672-003	R1206741-003	R1206834-003	R1206891-003	R1207070-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.5 J	ND@5.0	ND@5.0	ND@5.0	1.7 J	1.9 BJ
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

44-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	10/17/2012	10/18/2012	10/23/2012	10/24/2012	10/25/2012	10/30/2012
Laboratory Sample I.D.	R1207101-003	R1207170-003	R1207257-003	R1207281-003	R1207326-003	R1207464-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.2 BJ	ND@5.0	1.5 J	1.6 BJ	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

45-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	10/31/2012	11/01/2012	11/05/2012	11/06/2012	11/08/2012	11/12/2012
Laboratory Sample I.D.	R1207471-003	R1207501-003	R1207575-003	R1207616-003	R1207717-003	R1207776-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

46-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	11/13/2012	11/14/2012	11/15/2012	11/19/2012	11/20/2012	11/26/2012
Laboratory Sample I.D.	R1207850-003	R1207886-003	R1207919-003	R1207997-003	R1208044-003	R1208080-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

47-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK
Sample Description						
Sample Date	12/05/2012	12/06/2012	12/10/2012	12/11/2012	12/12/2012	12/13/2012
Laboratory Sample I.D.	R1208332-003	R1208381-003	R1208508-003	R1208529-003	R1208581-003	R1208615-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

48-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location		FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK
Sample Description						NO. 1	NO. 1
Sample Date		12/14/2012	12/17/2012	12/18/2012	12/19/2012	01/03/2012	01/04/2012
Laboratory Sample I.D.		R1208630-003	R1208675-003	R1208740-003	R1208712-003	R1200021-001	R1200056-001
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.6 J	1.4 J	1.3 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

49-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date		01/05/2012	01/09/2012	01/10/2012	01/11/2012	01/12/2012	01/16/2012
Laboratory Sample I.D.		R1200094-001	R1200139-001	R1200185-001	R1200221-001	R1200267-001	R1200303-001
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

50-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	01/17/2012	01/18/2012	01/19/2012	01/23/2012	01/24/2012	01/25/2012
Laboratory Sample I.D.	R1200345-001	R1200376-001	R1200405-001	R1200471-001	R1200505-001	R1200541-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.1 J	1.2 J	1.2 J	1.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

51-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	01/30/2012	01/31/2012	02/01/2012	02/02/2012	02/08/2012	02/09/2012
Laboratory Sample I.D.	R1200609-001	R1200642-001	R1200672-001	R1200729-001	R1200877-002	R1200908-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.2 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

52-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	02/13/2012	02/14/2012	02/15/2012	02/16/2012	03/06/2012	03/07/2012
Laboratory Sample I.D.	R1200995-002	R1201021-002	R1201057-002	R1201098-002	R1201472-003	R1201509-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

53-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	03/08/2012	03/09/2012	03/12/2012	03/13/2012	03/14/2012	03/15/2012
Laboratory Sample I.D.	R1201567-002	R1201594-002	R1201605-002	R1201654-002	R1201677-002	R1201735-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.0 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

54-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	03/19/2012	03/20/2012	03/21/2012	03/22/2012	03/26/2012	03/28/2012
Laboratory Sample I.D.	R1201766-002	R1201800-001	R1201815-001	R1201858-001	R1201897-001	R1201938-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

55-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	03/28/2012	03/29/2012	04/02/2012	04/03/2012	04/04/2012	04/05/2012
Laboratory Sample I.D.	R1201977-001	R1201990-001	R1202043-001	R1202093-001	R1202125-001	R1202185-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.6 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

56-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	04/09/2012	04/10/2012	04/11/2012	04/12/2012	04/16/2012	04/17/2012
Laboratory Sample I.D.	R1202215-001	R1202261-001	R1202302-001	R1202352-001	R1202391-001	R1202431-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.4 J	1.6 J	1.5 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.23 J	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

57-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 2	NO. 1	NO. 2	NO. 1	NO. 2	NO. 1
Sample Date	04/17/2012	04/18/2012	04/18/2012	04/19/2012	04/19/2012	04/23/2012
Laboratory Sample I.D.	R1202428-001	R1202462-001	R1202463-001	R1202504-001	R1202500-001	R1202551-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.8 J	1.1 J	1.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

58-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 2	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	04/24/2012	04/24/2012	04/25/2012	04/26/2012	05/01/2012	05/02/2012
Laboratory Sample I.D.	R1202571-001	R1202569-001	R1202591-001	R1202635-001	R1202749-001	R1202782-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.1 J	1.4 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

59-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	05/03/2012	05/04/2012	05/07/2012	05/08/2012	05/09/2012	05/10/2012
Laboratory Sample I.D.	R1202812-001	R1202878-001	R1202921-001	R1202961-001	R1202964-001	R1203011-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	7.1	ND@5.0	ND@5.0	9.0	8.1	7.1
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

60-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	05/11/2012	05/14/2012	05/15/2012	05/16/2012	05/17/2012	05/21/2012
Laboratory Sample I.D.	R1203062-001	R1203070-001	R1203110-001	R1203192-001	R1203190-001	R1203241-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

61-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	06/05/2012	06/07/2012	06/08/2012	06/11/2012	06/12/2012	06/13/2012
Laboratory Sample I.D.	R1203600-001	R1203666-001	R1203691-001	R1203723-001	R1203770-001	R1203794-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.2 J ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

62-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	06/14/2012	06/18/2012	06/19/2012	06/20/2012	06/21/2012	06/29/2012
Laboratory Sample I.D.	R1203833-001	R1203868-001	R1203916-001	R1203935-001	R1203985-001	R1204195-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.1 J	1.3 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

63-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	07/02/2012	07/03/2012	07/05/2012	07/06/2012	07/09/2012	07/10/2012
Laboratory Sample I.D.	R1204226-001	R1204289-001	R1204298-001	R1204354-001	R1204353-001	R1204390-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.6 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

64-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	07/11/2012	07/12/2012	07/13/2012	07/16/2012	07/17/2012	07/18/2012
Laboratory Sample I.D.	R1204462-001	R1204510-001	R1204547-001	R1204544-001	R1204594-001	R1204630-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.1 J	0.98 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

65-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	07/23/2012	07/25/2012	07/27/2012	07/30/2012	07/31/2012	08/01/2012
Laboratory Sample I.D.	R1204713-001	R1204786-001	R1204893-001	R1204900-001	R1204931-001	R1204974-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.0 J	ND@5.0	ND@5.0	ND@5.0	1.6 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

66-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	08/06/2012	08/07/2012	08/08/2012	08/09/2012	09/04/2012	09/05/2012
Laboratory Sample I.D.	R1205058-001	R1205113-001	R1205176-001	R1205244-001	R1205803-001	R1205858-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.1 J	ND@5.0	1.1 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

67-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	09/11/2012	09/13/2012	09/14/2012	09/17/2012	09/19/2012	09/24/2012
Laboratory Sample I.D.	R1206025-001	R1206114-001	R1206171-001	R1206179-001	R1206286-001	R1206404-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.4 J	7.3	6.3	3.8 J	5.6	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

68-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	09/25/2012	09/26/2012	09/27/2012	10/01/2012	10/02/2012	10/03/2012
Laboratory Sample I.D.	R1206455-001	R1206487-001	R1206540-001	R1206588-001	R1206634-001	R1206672-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.4 J	1.3 J	ND@5.0	ND@5.0	2.5 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

69-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	10/04/2012	10/09/2012	10/10/2012	10/16/2012	10/17/2012	10/18/2012
Laboratory Sample I.D.	R1206741-001	R1206834-001	R1206891-001	R1207070-001	R1207101-001	R1207170-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.8 J	ND@5.0	ND@5.0	1.7 BJ	2.3 BJ	2.3 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

70-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	10/23/2012	10/24/2012	10/25/2012	10/30/2012	10/31/2012	11/01/2012
Laboratory Sample I.D.	R1207257-001	R1207281-001	R1207326-001	R1207464-001	R1207471-001	R1207501-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.9 J	1.8 BJ	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

71-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	11/05/2012	11/06/2012	11/08/2012	11/12/2012	11/13/2012	11/14/2012
Laboratory Sample I.D.	R1207575-001	R1207616-001	R1207717-001	R1207776-001	R1207850-001	R1207886-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

72-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	11/15/2012	11/19/2012	11/20/2012	11/26/2012	12/05/2012	12/06/2012
Laboratory Sample I.D.	R1207919-001	R1207997-001	R1208044-001	R1208080-001	R1208332-001	R1208381-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

73-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1	NO. 1
Sample Date	12/10/2012	12/11/2012	12/12/2012	12/13/2012	12/14/2012	12/17/2012
Laboratory Sample I.D.	R1208508-001	R1208529-001	R1208581-001	R1208615-001	R1208630-001	R1208675-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

74-1

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Sample Location	TRIP BLANK	TRIP BLANK
Sample Description	NO. 1	NO. 1
Sample Date	12/18/2012	12/19/2012
Laboratory Sample I.D.	R1208740-001	R1208712-001
Sample Comment Codes		

Parameter	Units		
Base/Neutral Extractables			
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0
Volatile Organics			
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0
ACETONE	ug/l	1.9 J	3.4 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0

IBM East Fishkill Facility
Quality Assurance/Quality Control Analytical Data
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

B	Compound detected in the associated method blank at a concentration that may have contributed to the sample result
J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

Appendix G

Groundwater Treatment Analytical Data (Organics): January 1, 2012 to December 31, 2012
Groundwater Treatment Analytical Data (Inorganics): January 1, 2012 to December 31, 2012

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	032A	032A	032A	032A	032A	032A
Sample Description	GW/AREA D IN	REPLICATE	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN
Sample Date	01/05/2012	01/05/2012	02/02/2012	03/06/2012	04/02/2012	05/01/2012
Laboratory Sample I.D.	R1200094-007	R1200094-008	R1200729-007	R1201472-009	R1202043-012	R1202749-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.28 J	0.39 J	0.35 J	0.40 J	0.42 J	0.53 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.93 J	0.88 J	0.75 J	0.78 J	0.90 J	0.68 J
TRICHLOROETHYLENE	ug/l	2.1	2.1	1.8	1.6	1.8	1.7
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	032A	032A	032A	032A	032B	032B
Sample Description	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	GW/AREA D IN
Sample Date	06/08/2012	07/02/2012	08/06/2012	09/04/2012	09/14/2012	10/04/2012
Laboratory Sample I.D.	R1203691-008	R1204226-009	R1205058-004	R1205803-009	R1206171-006	R1206741-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.52 J	0.66 J	0.71 J	0.77 J	0.82 J	0.73 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.91 J	1.1	1.3	1.4	1.3	1.2
TRICHLOROETHYLENE	ug/l	2.3	2.2	3.1	3.3	3.5	2.8
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	032B	032B	032B	032B	080	080
Sample Description	REPLICATE	GW/AREA D IN	REPLICATE	GW/AREA D IN	PW-2 EFFL	PW-2 EFFL
Sample Date	10/04/2012	11/05/2012	11/05/2012	12/05/2012	01/03/2012	01/05/2012
Laboratory Sample I.D.	R1206741-008	R1207575-013	R1207575-014	R1208332-008	R1200019-008	R1200092-002
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.74 J	0.72 J	0.80 J	0.99 J	2.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.2	0.95 J	0.97 J	1.2	3.8
TRICHLOROETHYLENE	ug/l	2.8	2.5	2.3	2.6	1.1
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
						0.39 J

April 18, 2013

IBM Corporation

3-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	01/09/2012	01/12/2012	01/16/2012	01/19/2012	01/23/2012	01/26/2012
Laboratory Sample I.D.	R1200149-008	R1200273-002	R1200308-008	R1200409-002	R1200468-008	R1200563-002
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.0 J	ND@5.0	1.1 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.52 J	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	2.1	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.46 J	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

4-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	01/30/2012	02/02/2012	02/06/2012	02/09/2012	02/13/2012	02/20/2012
Laboratory Sample I.D.	R1200607-008	R1200724-002	R1200790-008	R1200916-002	R1200994-008	R1201156-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

5-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	02/27/2012	03/05/2012	03/12/2012	03/19/2012	03/26/2012	04/02/2012
Laboratory Sample I.D.	R1201288-008	R1201425-009	R1201599-008	R1201770-008	R1201907-008	R1202037-009
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	1.8 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	0.36 J	0.44 J	0.96 J	1.5	3.0

April 18, 2013

IBM Corporation

6-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	04/09/2012	04/16/2012	04/23/2012	04/30/2012	05/07/2012	05/14/2012
Laboratory Sample I.D.	R1202221-008	R1202395-008	R1202542-008	R1202702-008	R1202881-009	R1203069-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.58 J	0.20 J	ND@1.0	0.26 J	ND@1.0	0.41 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	3.3	4.7	8.2	11	9.5	17

April 18, 2013

IBM Corporation

7-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	05/21/2012	05/29/2012	06/04/2012	06/11/2012	06/18/2012	06/22/2012
Laboratory Sample I.D.	R1203243-008	R1203422-008	R1203532-009	R1203718-008	R1203881-008	R1204027-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.29 J	0.30 J	ND@1.0	ND@1.0	ND@1.0	2.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.76 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	22	15	45	58	60	ND@1.0

April 18, 2013

IBM Corporation

8-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	06/25/2012	07/02/2012	07/09/2012	07/16/2012	07/23/2012	07/30/2012
Laboratory Sample I.D.	R1204034-008	R1204215-009	R1204339-008	R1204533-008	R1204709-008	R1204898-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	0.98 J	ND@5.0	ND@5.0	2.2 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.27 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.36 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

9-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	08/06/2012	08/13/2012	08/20/2012	08/27/2012	09/04/2012	09/17/2012
Laboratory Sample I.D.	R1205064-009	R1205289-008	R1205455-008	R1205606-008	R1205801-009	R1206173-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	0.27 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

10-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	09/23/2012	09/24/2012	10/01/2012	10/08/2012	10/15/2012	10/22/2012
Laboratory Sample I.D.	R1206539-002	R1206402-008	R1206583-009	R1206788-008	R1207015-002	R1207214-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.58 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.2	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.23 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	0.46 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

11-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	080	080	080	080	080	080
Sample Description	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date	10/29/2012	11/05/2012	11/12/2012	11/19/2012	11/26/2012	12/03/2012
Laboratory Sample I.D.	R1207459-008	R1207578-009	R1207775-008	R1207996-008	R1208083-008	R1208267-009
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

12-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		080	080	080	080	221	221
Sample Description		PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL	PW-2/GAC	PW-2/GAC
Sample Date		12/10/2012	12/17/2012	12/26/2012	12/31/2012	01/03/2012	01/05/2012
Laboratory Sample I.D.		R1208453-005	R1208634-008	R1208778-005	R1300024-005	R1200019-009	R1200092-001
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.7 J	1.1 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	2.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	6.3	0.35 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1.2	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	28	26

April 18, 2013

IBM Corporation

13-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location		221	221	221	221	221	221
Sample Description		PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date		01/09/2012	01/12/2012	01/16/2012	01/19/2012	01/23/2012	01/26/2012
Laboratory Sample I.D.		R1200149-007	R1200273-001	R1200308-007	R1200409-001	R1200468-007	R1200563-001
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.47 J	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	1.7 J	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.40 J	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.22 J	ND@1.0	ND@1.0	0.43 J	ND@1.0	1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	36	38	42	38	48	61

April 18, 2013

IBM Corporation

14-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	01/30/2012	02/02/2012	02/06/2012	02/09/2012	02/13/2012	02/20/2012
Laboratory Sample I.D.	R1200607-007	R1200724-001	R1200790-009	R1200916-001	R1200994-007	R1201156-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.31 J	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.21 J	0.21 J	ND@1.0	ND@1.0	ND@1.0	0.21 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	51	58	52	55	57	64

April 18, 2013

IBM Corporation

15-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	02/27/2012	03/05/2012	03/12/2012	03/19/2012	03/26/2012	04/02/2012
Laboratory Sample I.D.	R1201288-007	R1201425-008	R1201599-007	R1201770-007	R1201907-007	R1202037-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.42 J	1.2
ACETONE	ug/l	1.1 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	2.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.30 J	0.94 J	4.6	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	0.62 J	0.84 J	1.2	1.3	1.6	2.2
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	56	67	59	61	49	45

April 18, 2013

IBM Corporation

16-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	04/09/2012	04/16/2012	04/23/2012	04/30/2012	05/07/2012	05/14/2012
Laboratory Sample I.D.	R1202221-007	R1202395-007	R1202542-007	R1202702-007	R1202881-008	R1203069-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.3	3.8	6.2	7.1	8.9	10
ACETONE	ug/l	1.2 J	1.7 J	6.5 J	ND@25	ND@25	ND@50
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
CIS-1,2-DICHLOROETHYLENE	ug/l	68	150	260	410	530	940
DICHLORODIFLUOROMETHANE	ug/l	2.6	2.3	3.0	ND@5.0	ND@5.0	ND@10
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@5.0	ND@10	ND@10	ND@20
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
TETRACHLOROETHYLENE	ug/l	0.72 J	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@2.5	ND@5.0	ND@5.0	ND@10
VINYL CHLORIDE	ug/l	55	45	42	34	25	24

April 18, 2013

IBM Corporation

17-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	05/21/2012	05/29/2012	06/04/2012	06/11/2012	06/18/2012	06/22/2012
Laboratory Sample I.D.	R1203243-007	R1203422-007	R1203532-008	R1203718-007	R1203881-007	R1204027-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	15	15	12	16	15 J	ND@1.0
ACETONE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@100	ND@5.0
CHLOROBENZENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1400	1600	1800	1800	2200	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
ETHYLBENZENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
M,P-XYLENE	ug/l	ND@20	ND@20	ND@20	ND@20	ND@40	ND@2.0
O-XYLENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@10	ND@10	ND@10	ND@10	ND@20	ND@1.0
VINYL CHLORIDE	ug/l	27	13	8.4 J	10	9.0 J	33

April 18, 2013

IBM Corporation

18-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	06/25/2012	07/02/2012	07/09/2012	07/16/2012	07/23/2012	07/30/2012
Laboratory Sample I.D.	R1204034-007	R1204215-008	R1204339-007	R1204533-007	R1204709-007	R1204898-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.26 J	1.1	2.4
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	42	75	55	75	88	78

April 18, 2013

IBM Corporation

19-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	08/06/2012	08/13/2012	08/20/2012	08/27/2012	09/04/2012	09/10/2012
Laboratory Sample I.D.	R1205064-008	R1205289-007	R1205455-007	R1205606-007	R1205801-008	R1205979-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	0.38 J	0.52 J	0.68 J	1.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.36 J	0.49 J	0.53 J	0.55 J	0.76 J	1.3
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	9.4	19	27	37	60	84
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	0.92 J	0.81 J	0.57 J	0.56 J	0.78 J
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.46 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.39 J	0.87 J	2.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	80	81	120	76	54	59

April 18, 2013

IBM Corporation

20-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	09/10/2012	09/17/2012	09/23/2012	09/24/2012	10/01/2012	10/08/2012
Laboratory Sample I.D.	R1205979-008	R1206173-007	R1206539-001	R1206402-007	R1206583-008	R1206788-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.94 J	2.1	ND@1.0	1.3 J	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.2	2.3	ND@1.0	1.8 J	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@10	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	84	160	ND@1.0	200	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	0.65 J	2.1	ND@1.0	ND@2.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@4.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.54 J	0.49 J	0.53 J	0.68 J	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	1.9	4.4	ND@1.0	6.7	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	58	91	0.72 J	56	1.3	3.0

April 18, 2013

IBM Corporation

21-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	10/15/2012	10/22/2012	10/29/2012	11/05/2012	11/12/2012	11/19/2012
Laboratory Sample I.D.	R1207015-001	R1207214-007	R1207459-007	R1207578-008	R1207775-007	R1207996-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	6.0	9.0	12	16	27	39

April 18, 2013

IBM Corporation

22-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	221	221	221	221	221	221
Sample Description	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date	11/26/2012	12/03/2012	12/10/2012	12/17/2012	12/26/2012	12/31/2012
Laboratory Sample I.D.	R1208083-007	R1208267-008	R1208453-004	R1208634-007	R1208778-004	R1300024-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	51	53	56	71	86	57

April 18, 2013

IBM Corporation

23-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	360	360	360	360	360	360
Sample Description	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT
Sample Date	01/05/2012	02/02/2012	03/07/2012	04/05/2012	05/04/2012	06/08/2012
Laboratory Sample I.D.	R1200094-009	R1200729-012	R1201509-015	R1202185-011	R1202878-008	R1203691-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.27 J	0.29 J	0.27 J	0.27 J	0.21 J	0.25 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.28 J	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

24-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		360	360	360	360	360	360
Sample Description		B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT
Sample Date		07/06/2012	08/08/2012	09/04/2012	10/03/2012	11/08/2012	12/10/2012
Laboratory Sample I.D.		R1204354-010	R1205176-008	R1205803-016	R1206672-009	R1207717-009	R1208508-008
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.21 J	0.22 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.23 J	ND@1.0	0.23 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

25-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		395	395	395	395	395	395
Sample Description		B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE	B/384 SUMP
Sample Date		01/05/2012	02/02/2012	03/13/2012	04/03/2012	04/03/2012	05/04/2012
Laboratory Sample I.D.		R1200094-010	R1200729-013	R1201654-010	R1202093-007	R1202093-010	R1202878-009
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	110 J	140 J	ND@50	ND@50	ND@50	ND@100
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
ACETONE	ug/l	ND@1000	ND@1000	ND@250	ND@250	ND@250	ND@500
CHLOROBENZENE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	140 J	150 J	98	85	74	89 J
DICHLORODIFLUOROMETHANE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
ETHYLBENZENE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
M,P-XYLENE	ug/l	ND@400	ND@400	ND@100	ND@100	ND@100	ND@200
O-XYLENE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
TETRACHLOROETHYLENE	ug/l	29000	35000	9200	8500	7900	9500
TRICHLOROETHYLENE	ug/l	810	890	290	220	200	250
TRICHLOROFLUOROMETHANE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100
VINYL CHLORIDE	ug/l	ND@200	ND@200	ND@50	ND@50	ND@50	ND@100

April 18, 2013

IBM Corporation

26-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	395	395	395	395	395	395
Sample Description	B/384 SUMP	REPLICATE	B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE
Sample Date	06/11/2012	06/11/2012	07/06/2012	08/08/2012	09/05/2012	09/05/2012
Laboratory Sample I.D.	R1203723-006	R1203723-009	R1204354-004	R1205176-009	R1205858-004	R1205858-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@100	ND@200	100 J	ND@100	ND@100
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
ACETONE	ug/l	ND@500	ND@500	ND@1000	ND@1000	ND@500	ND@500
CHLOROBENZENE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	110	110	130 J	110 J	88 J	110
DICHLORODIFLUOROMETHANE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
ETHYLBENZENE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
M,P-XYLENE	ug/l	ND@200	ND@200	ND@400	ND@400	ND@200	ND@200
O-XYLENE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
TETRACHLOROETHYLENE	ug/l	13000	13000	23000	31000	11000	14000
TRICHLOROETHYLENE	ug/l	360	350	610	780	320	410
TRICHLOROFLUOROMETHANE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100
VINYL CHLORIDE	ug/l	ND@100	ND@100	ND@200	ND@200	ND@100	ND@100

April 18, 2013

IBM Corporation

27-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	395	395	395	395A	395A	395A
Sample Description	B/384 SUMP	B/384 SUMP	B/384 SUMP	AREA A INFL	AREA A INFL	AREA A INFL
Sample Date	10/04/2012	11/08/2012	12/10/2012	01/05/2012	02/02/2012	03/13/2012
Laboratory Sample I.D.	R1206741-004	R1207717-010	R1208508-016	R1200094-011	R1200729-014	R1201654-011
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@250	ND@250	68 J	41 J	64 J	66 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
ACETONE	ug/l	ND@1300	ND@1300	ND@1000	ND@500	ND@1000	ND@1000
CHLOROBENZENE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
CIS-1,2-DICHLOROETHYLENE	ug/l	130 J	130 J	160 J	59 J	88 J	140 J
DICHLORODIFLUOROMETHANE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
ETHYLBENZENE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
M,P-XYLENE	ug/l	ND@500	ND@500	ND@400	ND@200	ND@400	ND@400
O-XYLENE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
TETRACHLOROETHYLENE	ug/l	29000	29000	27000	16000	22000	22000
TRICHLOROETHYLENE	ug/l	750	860	770	420	580	650
TRICHLOROFLUOROMETHANE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200
VINYL CHLORIDE	ug/l	ND@250	ND@250	ND@200	ND@100	ND@200	ND@200

April 18, 2013

IBM Corporation

28-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	395A	395A	395A	395A	395A	395A	
Sample Description	AREA A INFL	AREA A INFL	AREA A INFL	AREA A INFL	AREA A INFL	AREA A INFL	
Sample Date	04/03/2012	05/04/2012	06/11/2012	07/06/2012	08/08/2012	09/05/2012	
Laboratory Sample I.D.	R1202093-008	R1202878-010	R1203723-007	R1204354-005	R1205176-010	R1205858-007	
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@200	ND@100	64 J	ND@50	72 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
ACETONE	ug/l	ND@500	ND@1000	ND@500	ND@1000	ND@250	ND@1000
CHLOROBENZENE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
CIS-1,2-DICHLOROETHYLENE	ug/l	110	110 J	86 J	140 J	22 J	140 J
DICHLORODIFLUOROMETHANE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
ETHYLBENZENE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
M,P-XYLENE	ug/l	ND@200	ND@400	ND@200	ND@400	ND@100	ND@400
O-XYLENE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
TETRACHLOROETHYLENE	ug/l	20000	19000	17000	28000	5600	26000
TRICHLOROETHYLENE	ug/l	460	450	450	670	93	690
TRICHLOROFLUOROMETHANE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200
VINYL CHLORIDE	ug/l	ND@100	ND@200	ND@100	ND@200	ND@50	ND@200

April 18, 2013

IBM Corporation

29-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	395A		395A		395A		395B	395B	395B
Sample Description	AREA A INFL		AREA A INFL		AREA A INFL		AREA A EFFL	AREA A EFFL	AREA A EFFL
Sample Date	10/04/2012		11/08/2012		12/10/2012		01/05/2012	02/02/2012	03/13/2012
Laboratory Sample I.D.	R1206741-005		R1207717-011		R1208508-014		R1200094-012	R1200729-015	R1201654-012
Sample Comment Codes									
Parameter	Units								
Base/Neutral Extractables									
1,2-DICHLOROBENZENE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics									
1,1,1-TRICHLOROETHANE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@200	31 J	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@1000	ND@500	ND@1000	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	90 J	70 J	150 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@400	ND@200	ND@400	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	22000	15000	27000	4.2	6.4	6.1	6.1	6.1
TRICHLOROETHYLENE	ug/l	530	420	670	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@200	ND@100	ND@200	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

30-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	395B	395B	395B	395B	395B	395B
Sample Description	AREA A EFFL	AREA A EFFL	AREA A EFFL	AREA A EFFL	AREA A EFFL	AREA A EFFL
Sample Date	04/03/2012	05/04/2012	06/11/2012	07/06/2012	08/08/2012	09/05/2012
Laboratory Sample I.D.	R1202093-009	R1202878-011	R1203723-008	R1204354-006	R1205176-011	R1205858-008
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.67 J	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	7.8	4.7	6.5	3.1	48	3.9
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.24 J	ND@1.0	2.2	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

31-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	395B	395B	395B	500	500	500
Sample Description	AREA A EFFL	AREA A EFFL	AREA A EFFL	C CARB INFL	C CARB INFL	C CARB INFL
Sample Date	10/04/2012	11/08/2012	12/10/2012	01/03/2012	02/06/2012	03/05/2012
Laboratory Sample I.D.	R1206741-006	R1207717-012	R1208508-015	R1200019-001	R1200790-001	R1201425-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	2.9	2.3	2.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	2.5	2.3	2.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	8.2	7.0	7.7	71	44	40
TRICHLOROETHYLENE	ug/l	0.26 J	ND@1.0	ND@1.0	20	14	13
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.38 J	0.28 J	0.30 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

32-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	500	500	500	500	500	500
Sample Description	C CARB INFL	C CARB INFL	C CARB INFL	C CARB INFL	C CARB INFL	C CARB INFL
Sample Date	04/02/2012	05/07/2012	06/04/2012	07/02/2012	08/06/2012	09/04/2012
Laboratory Sample I.D.	R1202037-001	R1202881-001	R1203532-001	R1204215-001	R1205064-001	R1205801-001
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.7	2.2	1.6	2.1	1.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.5	2.4	2.5	2.0	1.6
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	73	39	73	32	22
TRICHLOROETHYLENE	ug/l	19	11	21	12	7.8
TRICHLOROFLUOROMETHANE	ug/l	0.68 J	0.24 J	0.66 J	0.25 J	ND@1.0
VINYL CHLORIDE	ug/l	1.2	2.9	15	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

33-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	500	500	500	511	511	511
Sample Description	C CARB INFL	C CARB INFL	C CARB INFL	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	10/01/2012	11/05/2012	12/03/2012	01/03/2012	01/09/2012	01/16/2012
Laboratory Sample I.D.	R1206583-001	R1207578-001	R1208267-001	R1200019-003	R1200149-002	R1200308-002
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.2	2.1	1.8	3.5	3.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.21 J	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.8 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	4.1	4.0	8.8	3.5	3.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	50	49	42	6.6	6.0
TRICHLOROETHYLENE	ug/l	16	16	15	6.8	6.6
TRICHLOROFLUOROMETHANE	ug/l	0.37 J	0.43 J	0.31 J	0.44 J	0.50 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.62 J	0.56 J

April 18, 2013

IBM Corporation

34-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	01/23/2012	01/30/2012	02/06/2012	02/13/2012	02/20/2012	02/27/2012
Laboratory Sample I.D.	R1200468-002	R1200607-002	R1200790-003	R1200994-002	R1201156-002	R1201288-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.6	3.7	3.5	3.6	3.3	5.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.46 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.8	3.9	4.0	4.0	3.6	5.6
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	6.7	7.3	6.9	7.4	7.5	12
TRICHLOROETHYLENE	ug/l	7.5	7.5	7.3	7.4	8.1	12
TRICHLOROFLUOROMETHANE	ug/l	0.52 J	0.49 J	0.47 J	0.46 J	0.45 J	0.73 J
VINYL CHLORIDE	ug/l	0.58 J	0.57 J	0.46 J	0.39 J	0.45 J	0.65 J

April 18, 2013

IBM Corporation

35-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	03/05/2012	03/12/2012	03/19/2012	03/26/2012	04/02/2012	04/09/2012
Laboratory Sample I.D.	R1201425-003	R1201599-002	R1201770-002	R1201907-002	R1202037-003	R1202221-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	0.35 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.6	3.6	3.4	3.2	3.3	3.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.39 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.9	4.2	3.6	3.2	3.4	4.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	7.4	8.4	8.1	7.9	6.2	5.8
TRICHLOROETHYLENE	ug/l	7.5	8.3	7.5	6.9	6.1	6.6
TRICHLOROFLUOROMETHANE	ug/l	0.45 J	0.67 J	0.41 J	0.45 J	0.53 J	0.64 J
VINYL CHLORIDE	ug/l	0.42 J	0.42 J	0.43 J	0.45 J	0.56 J	1.0

April 18, 2013

IBM Corporation

36-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	04/16/2012	04/23/2012	04/30/2012	05/07/2012	05/14/2012	05/21/2012
Laboratory Sample I.D.	R1202395-002	R1202542-002	R1202702-002	R1202881-003	R1203069-002	R1203243-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	3.4	3.7	3.3	3.5	4.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.6 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.5	3.7	3.9	3.5	3.6	3.8
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	5.0	6.2	7.7	8.5	9.9	10
TRICHLOROETHYLENE	ug/l	5.4	6.5	7.5	7.2	8.9	9.4
TRICHLOROFLUOROMETHANE	ug/l	0.48 J	0.55 J	0.55 J	0.53 J	0.49 J	0.68 J
VINYL CHLORIDE	ug/l	1.3	1.7	2.2	2.5	3.6	4.9

April 18, 2013

IBM Corporation

37-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	05/29/2012	06/04/2012	06/11/2012	06/18/2012	06/25/2012	07/02/2012
Laboratory Sample I.D.	R1203422-002	R1203532-003	R1203718-002	R1203881-002	R1204034-002	R1204215-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.6	3.2	4.1	3.1	3.8	4.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	4.1	4.3	3.8	3.9	3.7	4.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	10	8.3	11	10	11	12
TRICHLOROETHYLENE	ug/l	9.1	8.3	10	8.9	10	10
TRICHLOROFLUOROMETHANE	ug/l	0.51 J	0.53 J	0.55 J	0.42 J	0.53 J	0.53 J
VINYL CHLORIDE	ug/l	4.5	5.1	5.8	2.6	2.8	2.0

April 18, 2013

IBM Corporation

38-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	07/09/2012	07/16/2012	07/23/2012	07/30/2012	08/06/2012	08/13/2012
Laboratory Sample I.D.	R1204339-002	R1204533-002	R1204709-002	R1204898-002	R1205064-003	R1205289-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	4.2	4.1	4.6	4.2	3.7	4.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	4.0	4.2	4.3	4.0	4.4	4.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	13	12	13	14	13	13
TRICHLOROETHYLENE	ug/l	9.7	9.5	10	10	11	11
TRICHLOROFLUOROMETHANE	ug/l	0.54 J	0.57 J	0.60 J	0.56 J	0.55 J	0.55 J
VINYL CHLORIDE	ug/l	1.2	0.99 J	0.88 J	0.73 J	0.61 J	0.49 J

April 18, 2013

IBM Corporation

39-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	08/20/2012	08/27/2012	09/04/2012	09/10/2012	09/17/2012	09/24/2012
Laboratory Sample I.D.	R1205455-002	R1205606-002	R1205801-003	R1205979-002	R1206173-002	R1206402-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	4.1	3.7	3.2	3.2	3.5	4.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.27 J	0.27 J	ND@1.0	0.23 J	ND@1.0	0.25 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.8	3.6	4.0	3.9	4.0	4.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	12	14	13	12	12	15
TRICHLOROETHYLENE	ug/l	9.2	9.8	9.2	9.2	9.4	11
TRICHLOROFLUOROMETHANE	ug/l	0.60 J	0.54 J	0.42 J	0.44 J	0.48 J	0.59 J
VINYL CHLORIDE	ug/l	0.63 J	0.47 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

40-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	10/01/2012	10/04/2012	10/08/2012	10/15/2012	10/22/2012	10/29/2012
Laboratory Sample I.D.	R1206583-003	R1206747-001	R1206788-002	R1207015-004	R1207214-002	R1207459-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	4.7	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.24 J	ND@1.0	ND@1.0	0.24 J	0.34 J	0.34 J
ACETONE	ug/l	ND@5.0	7.4	ND@5.0	ND@5.0	ND@5.0	1.4 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	4.2	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	16	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	12	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.65 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	1.9	1.9	1.9	1.4	1.0

April 18, 2013

IBM Corporation

41-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	511	511	511	511	511	511
Sample Description	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1	C CARB/GAC 1
Sample Date	11/05/2012	11/12/2012	11/19/2012	11/26/2012	12/03/2012	12/17/2012
Laboratory Sample I.D.	R1207578-003	R1207775-002	R1207996-002	R1208083-002	R1208267-003	R1208634-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.61 J	1.1	2.0	2.8	4.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.35 J	0.54 J	0.68 J	0.80 J	0.72 J	0.92 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.39 J	0.67 J	1.2
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	0.31 J	0.49 J	0.57 J	0.92 J
VINYL CHLORIDE	ug/l	0.75 J	0.79 J	0.71 J	0.64 J	0.45 J	0.43 J

April 18, 2013

IBM Corporation

42-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		512	512	512	512	512	512
Sample Description		C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date		01/03/2012	01/09/2012	01/16/2012	01/23/2012	01/30/2012	02/06/2012
Laboratory Sample I.D.		R1200019-004	R1200149-003	R1200308-003	R1200468-003	R1200607-003	R1200790-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.1	2.4	3.4	3.0	2.8	3.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	2.0 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.6	3.1	3.3	3.3	3.0	3.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.24 J	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	0.93 J	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.20 J	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	8.0	7.7	8.5	8.4	9.7	9.4
TRICHLOROETHYLENE	ug/l	8.2	8.7	9.5	9.4	9.0	9.9
TRICHLOROFLUOROMETHANE	ug/l	0.26 J	0.37 J	0.42 J	0.41 J	0.40 J	0.42 J
VINYL CHLORIDE	ug/l	0.36 J	0.43 J	0.43 J	0.44 J	0.38 J	0.33 J

April 18, 2013

IBM Corporation

43-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		512	512	512	512	512	512
Sample Description		C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date		02/13/2012	02/20/2012	02/27/2012	03/05/2012	03/12/2012	03/19/2012
Laboratory Sample I.D.		R1200994-003	R1201156-003	R1201288-003	R1201425-004	R1201599-003	R1201770-003
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.2	3.0	3.7	2.5	3.1	2.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.36 J	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.3	3.3	4.3	2.9	3.3	2.8
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	10	11	14	9.1	13	9.8
TRICHLOROETHYLENE	ug/l	10	10	14	8.9	11	8.8
TRICHLOROFLUOROMETHANE	ug/l	0.43 J	0.44 J	0.53 J	0.32 J	0.48 J	0.31 J
VINYL CHLORIDE	ug/l	0.32 J	0.33 J	0.36 J	0.24 J	0.38 J	0.31 J

April 18, 2013

IBM Corporation

44-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	03/26/2012	04/02/2012	04/09/2012	04/16/2012	04/23/2012	04/30/2012
Laboratory Sample I.D.	R1201907-003	R1202037-004	R1202221-003	R1202395-003	R1202542-003	R1202702-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	2.8	2.1	2.6	2.1	3.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	2.1 J	ND@5.0	2.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.7	2.7	3.1	3.0	2.9	3.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	11	8.5	7.6	6.0	6.8	9.4
TRICHLOROETHYLENE	ug/l	9.2	7.7	8.0	6.8	7.4	9.5
TRICHLOROFLUOROMETHANE	ug/l	0.44 J	0.48 J	0.43 J	0.48 J	0.35 J	0.53 J
VINYL CHLORIDE	ug/l	0.40 J	0.56 J	0.83 J	1.2	1.5	2.2

April 18, 2013

IBM Corporation

45-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	05/07/2012	05/14/2012	05/21/2012	05/29/2012	06/04/2012	06/11/2012
Laboratory Sample I.D.	R1202881-004	R1203069-003	R1203243-003	R1203422-003	R1203532-004	R1203718-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.4	3.7	3.1	2.7	2.4	2.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.9	3.2	3.0	3.2	3.3	3.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	9.8	13	12	12	10	13
TRICHLOROETHYLENE	ug/l	8.9	12	12	11	10	13
TRICHLOROFLUOROMETHANE	ug/l	0.34 J	0.51 J	0.47 J	0.33 J	0.38 J	0.40 J
VINYL CHLORIDE	ug/l	2.2	3.8	4.4	3.9	5.5	5.3

April 18, 2013

IBM Corporation

46-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	06/18/2012	06/25/2012	07/02/2012	07/09/2012	07/16/2012	07/23/2012
Laboratory Sample I.D.	R1203881-003	R1204034-003	R1204215-004	R1204339-003	R1204533-003	R1204709-003
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.0	2.6	2.6	3.8	2.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.5	2.8	3.3	3.0	3.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	14	13	14	16	15
TRICHLOROETHYLENE	ug/l	11	13	12	12	12
TRICHLOROFLUOROMETHANE	ug/l	0.35 J	0.37 J	0.31 J	0.50 J	0.32 J
VINYL CHLORIDE	ug/l	ND@1.0	2.2	1.4	ND@1.0	0.50 J

April 18, 2013

IBM Corporation

47-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	07/30/2012	08/06/2012	08/13/2012	08/20/2012	08/27/2012	09/04/2012
Laboratory Sample I.D.	R1204898-003	R1205064-004	R1205289-003	R1205455-003	R1205606-003	R1205801-004
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.3	3.6	2.7	2.9	3.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.9	3.5	3.2	3.0	2.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	17	17	15	15	18
TRICHLOROETHYLENE	ug/l	12	13	12	11	12
TRICHLOROFLUOROMETHANE	ug/l	0.43 J	0.42 J	0.34 J	0.35 J	0.45 J
VINYL CHLORIDE	ug/l	0.46 J	0.41 J	0.27 J	ND@1.0	0.34 J
						ND@1.0

April 18, 2013

IBM Corporation

48-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	09/10/2012	09/17/2012	09/24/2012	10/01/2012	10/08/2012	10/11/2012
Laboratory Sample I.D.	R1205979-003	R1206173-003	R1206402-003	R1206583-004	R1206788-003	R1206931-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.0	2.5	3.1	3.2	2.3	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	0.21 J	0.22 J	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	3.2	2.9	2.9	3.0	2.9	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	15	14	17	18	13	ND@1.0
TRICHLOROETHYLENE	ug/l	11	11	12	13	10	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.36 J	0.32 J	0.43 J	0.41 J	0.33 J	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	1.5

April 18, 2013

IBM Corporation

49-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	512	512	512	512	512	512
Sample Description	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date	10/15/2012	10/22/2012	10/29/2012	11/05/2012	11/12/2012	11/19/2012
Laboratory Sample I.D.	R1207015-005	R1207214-003	R1207459-003	R1207578-004	R1207775-003	R1207996-003
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	1.8	1.8	1.4	1.2	1.3	1.1

April 18, 2013

IBM Corporation

50-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		512	512	512	513	513	513
Sample Description		C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date		11/26/2012	12/03/2012	12/17/2012	01/03/2012	01/09/2012	01/16/2012
Laboratory Sample I.D.		R1208083-003	R1208267-004	R1208634-003	R1200019-005	R1200149-004	R1200308-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	1.3	1.5	1.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.40 J	0.40 J	0.35 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	1.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.44 J	0.67 J	0.75 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.22 J	0.29 J	0.26 J
VINYL CHLORIDE	ug/l	1.2	1.1	1.1	2.4	2.2	2.0

April 18, 2013

IBM Corporation

51-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location		513	513	513	513	513	513
Sample Description		C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date		01/23/2012	01/30/2012	02/06/2012	02/13/2012	02/20/2012	02/27/2012
Laboratory Sample I.D.		R1200468-004	R1200607-004	R1200790-005	R1200994-004	R1201156-004	R1201288-004
Sample Comment Codes							
Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.0	1.8	2.1	2.4	2.3	3.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.45 J	ND@1.0	0.44 J	0.35 J	0.43 J	0.62 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.2 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.99 J	1.0	1.2	1.3	1.4	1.8
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.21 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.23 J	0.26 J	0.39 J	0.47 J
TRICHLOROFLUOROMETHANE	ug/l	0.32 J	0.28 J	0.40 J	0.39 J	0.40 J	0.56 J
VINYL CHLORIDE	ug/l	1.9	1.5	1.4	1.3	1.3	1.5

April 18, 2013

IBM Corporation

52-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	03/05/2012	03/12/2012	03/19/2012	03/26/2012	04/02/2012	04/09/2012
Laboratory Sample I.D.	R1201425-005	R1201599-004	R1201770-004	R1201907-004	R1202037-005	R1202221-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.4	2.6	2.6	2.5	2.1	2.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.41 J	ND@1.0	ND@1.0	0.40 J	0.36 J	0.38 J
ACETONE	ug/l	ND@5.0	4.0 J	ND@5.0	ND@5.0	ND@5.0	2.1 J
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.5	1.7	1.8	1.7	1.6	1.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.40 J	0.64 J	0.46 J	0.48 J	0.38 J	0.48 J
TRICHLOROFLUOROMETHANE	ug/l	0.40 J	0.58 J	0.41 J	0.40 J	0.40 J	0.48 J
VINYL CHLORIDE	ug/l	1.1	0.98 J	0.94 J	0.74 J	0.80 J	1.2

April 18, 2013

IBM Corporation

53-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	04/16/2012	04/23/2012	04/30/2012	05/07/2012	05/14/2012	05/21/2012
Laboratory Sample I.D.	R1202395-004	R1202542-004	R1202702-004	R1202881-005	R1203069-004	R1203243-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLORO BENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.8	2.4	2.4	2.4	2.6	3.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.40 J	0.44 J	0.40 J	0.43 J	0.35 J	0.44 J
ACETONE	ug/l	1.5 J	1.5 J	ND@5.0	1.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.6	1.7	1.9	2.0	2.0	2.1
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.22 J	0.25 J	0.28 J
TRICHLOROETHYLENE	ug/l	0.40 J	0.46 J	0.55 J	0.60 J	0.76 J	0.92 J
TRICHLOROFLUOROMETHANE	ug/l	0.35 J	0.44 J	0.46 J	0.41 J	0.47 J	0.57 J
VINYL CHLORIDE	ug/l	1.4	1.5	1.9	1.8	2.3	3.3

April 18, 2013

IBM Corporation

54-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	05/29/2012	06/04/2012	06/11/2012	06/18/2012	06/25/2012	07/02/2012
Laboratory Sample I.D.	R1203422-004	R1203532-005	R1203718-004	R1203881-004	R1204034-004	R1204215-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.5	1.7	2.9	2.2	2.9	3.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.38 J	ND@1.0	0.41 J	ND@1.0	ND@1.0	0.36 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.3	2.1	2.3	2.4	2.1	2.8
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.36 J	0.20 J	0.36 J	0.39 J	0.51 J	0.52 J
TRICHLOROETHYLENE	ug/l	0.99 J	0.73 J	1.2	1.2	1.4	1.5
TRICHLOROFLUOROMETHANE	ug/l	0.46 J	0.31 J	0.50 J	0.37 J	0.49 J	0.38 J
VINYL CHLORIDE	ug/l	3.3	3.0	4.7	3.9	3.5	3.0

April 18, 2013

IBM Corporation

55-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	07/09/2012	07/16/2012	07/23/2012	07/30/2012	08/06/2012	08/13/2012
Laboratory Sample I.D.	R1204339-004	R1204533-004	R1204709-004	R1204898-004	R1205064-005	R1205289-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.7	3.2	3.5	2.9	2.9	3.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.37 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.5	2.5	2.6	2.5	2.8	2.6
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.61 J	0.61 J	0.72 J	0.84 J	0.80 J	0.98 J
TRICHLOROETHYLENE	ug/l	1.7	1.8	2.1	2.0	2.2	2.6
TRICHLOROFLUOROMETHANE	ug/l	0.53 J	0.57 J	0.56 J	0.45 J	0.43 J	0.47 J
VINYL CHLORIDE	ug/l	2.3	1.8	1.9	1.5	1.5	1.3

April 18, 2013

IBM Corporation

56-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	08/20/2012	08/27/2012	09/04/2012	09/10/2012	09/17/2012	09/24/2012
Laboratory Sample I.D.	R1205455-004	R1205606-004	R1205801-005	R1205979-004	R1206173-004	R1206402-004
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.0	2.6	2.3	2.6	2.6	2.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.31 J	0.32 J	0.27 J	0.26 J	0.30 J	0.32 J
ACETONE	ug/l	ND@5.0	ND@5.0	2.0 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.6	2.3	2.7	2.7	2.5	2.3
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.98 J	1.0	1.0	1.0	1.1	1.2
TRICHLOROETHYLENE	ug/l	2.2	2.4	2.4	2.5	2.5	2.8
TRICHLOROFLUOROMETHANE	ug/l	0.45 J	0.48 J	0.38 J	0.37 J	0.41 J	0.55 J
VINYL CHLORIDE	ug/l	1.6	1.1	0.84 J	0.68 J	0.71 J	0.67 J

April 18, 2013

IBM Corporation

57-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	10/01/2012	10/08/2012	10/15/2012	10/22/2012	10/29/2012	11/05/2012
Laboratory Sample I.D.	R1206583-005	R1206788-004	R1207015-006	R1207214-004	R1207459-004	R1207578-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	2.5	2.6	2.3	2.1	2.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.29 J	0.39 J	0.34 J	0.33 J	0.33 J	0.33 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.4	2.3	2.4	2.3	2.4	2.2
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.2	0.84 J	0.90 J	0.87 J	0.76 J	0.96 J
TRICHLOROETHYLENE	ug/l	2.8	2.1	2.1	2.1	2.0	2.3
TRICHLOROFLUOROMETHANE	ug/l	0.46 J	0.38 J	0.43 J	0.42 J	0.42 J	0.50 J
VINYL CHLORIDE	ug/l	0.69 J	0.68 J	0.55 J	0.65 J	0.61 J	0.51 J

April 18, 2013

IBM Corporation

58-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	513	513	513	513	513	513
Sample Description	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3
Sample Date	11/12/2012	11/19/2012	11/26/2012	12/03/2012	12/17/2012	12/19/2012
Laboratory Sample I.D.	R1207775-004	R1207996-004	R1208083-004	R1208267-005	R1208634-004	R1208701-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.6	2.4	2.7	2.4	2.7	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.29 J	0.28 J	0.35 J	ND@1.0	0.31 J	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.3	2.3	2.1	2.3	2.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.98 J	0.96 J	0.92 J	1.1	0.98 J	0.46 J
TRICHLOROETHYLENE	ug/l	2.2	2.3	2.3	2.3	2.2	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.46 J	0.45 J	0.50 J	0.48 J	0.51 J	ND@1.0
VINYL CHLORIDE	ug/l	0.56 J	0.59 J	0.64 J	0.56 J	0.59 J	2.3

April 18, 2013

IBM Corporation

59-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	01/03/2012	01/09/2012	01/16/2012	01/23/2012	01/30/2012	02/06/2012
Laboratory Sample I.D.	R1200019-006	R1200149-005	R1200308-005	R1200468-005	R1200607-005	R1200790-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	26	27	30	32	32	32
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.5	1.4	1.4	1.6	1.1	1.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	82	92	100	110	100	110
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	0.29 J	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.29 J	0.55 J	0.71 J
TRICHLOROETHYLENE	ug/l	0.92 J	1.4	2.2	3.2	3.9	5.9
TRICHLOROFLUOROMETHANE	ug/l	0.34 J	0.36 J	0.37 J	0.44 J	ND@1.0	0.38 J
VINYL CHLORIDE	ug/l	0.25 J	0.26 J	0.24 J	0.25 J	ND@1.0	0.28 J

April 18, 2013

IBM Corporation

60-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	02/13/2012	02/20/2012	02/27/2012	03/05/2012	03/12/2012	03/19/2012
Laboratory Sample I.D.	R1200994-005	R1201156-005	R1201288-005	R1201425-006	R1201599-005	R1201770-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	33	31	42	35	34	31
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.1	1.1	1.7	1.2	1.2	1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	110	110	150	110	110	100
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	1.2	1.7	3.0	2.8	3.8	4.7
TRICHLOROETHYLENE	ug/l	8.4	11	20	19	27	29
TRICHLOROFLUOROMETHANE	ug/l	0.36 J	0.40 J	0.53 J	0.35 J	0.53 J	0.29 J
VINYL CHLORIDE	ug/l	0.27 J	0.32 J	0.32 J	ND@1.0	0.37 J	ND@1.0

April 18, 2013

IBM Corporation

61-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	03/26/2012	04/02/2012	04/09/2012	04/16/2012	04/23/2012	04/30/2012
Laboratory Sample I.D.	R1201907-005	R1202037-006	R1202221-005	R1202395-005	R1202542-005	R1202702-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	30	3.2	6.4	7.4	9.7	12
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.96 J	1.2	1.6	1.9	2.0	2.1
ACETONE	ug/l	ND@5.0	ND@5.0	1.8 J	1.7 J	1.7 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	94	16	30	35	41	52
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	6.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	36	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.29 J	ND@1.0	0.24 J	0.21 J	0.24 J	0.30 J
VINYL CHLORIDE	ug/l	ND@1.0	0.32 J	0.51 J	0.47 J	0.41 J	0.48 J

April 18, 2013

IBM Corporation

62-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	05/07/2012	05/14/2012	05/21/2012	05/29/2012	06/04/2012	06/11/2012
Laboratory Sample I.D.	R1202881-006	R1203069-005	R1203243-005	R1203422-005	R1203532-006	R1203718-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	13	16	22	20	22	28
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.0	1.8	2.4	1.9	1.7	2.1
ACETONE	ug/l	ND@5.0	1.0 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	51	58	70	78	86	87
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.29 J	0.31 J	0.42 J	0.34 J	0.35 J	0.42 J
VINYL CHLORIDE	ug/l	0.45 J	0.36 J	0.43 J	0.27 J	0.30 J	0.37 J

April 18, 2013

IBM Corporation

63-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	06/18/2012	06/25/2012	07/02/2012	07/06/2012	07/09/2012	07/16/2012
Laboratory Sample I.D.	R1203881-005	R1204034-005	R1204215-006	R1204347-001	R1204339-005	R1204533-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.43 J	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	23	29	34	24	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.4	1.6	1.9	0.98 J	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	83	94	110	86	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	150	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	55	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.32 J	0.41 J	0.39 J	0.33 J	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	0.26 J	ND@1.0	ND@1.0	0.34 J	0.36 J

April 18, 2013

IBM Corporation

64-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	07/23/2012	07/30/2012	08/06/2012	08/13/2012	08/20/2012	08/27/2012
Laboratory Sample I.D.	R1204709-005	R1204898-005	R1205064-006	R1205289-005	R1205455-005	R1205606-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.94 J	1.9	3.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.49 J	0.92 J	1.4	1.8	1.7
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.86 J	3.1	6.4	11
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.40 J	0.39 J	0.36 J	0.45 J	ND@1.0	0.61 J

April 18, 2013

IBM Corporation

65-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	09/04/2012	09/10/2012	09/17/2012	09/24/2012	10/01/2012	10/08/2012
Laboratory Sample I.D.	R1205801-006	R1205979-005	R1206173-005	R1206402-005	R1206583-006	R1206788-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	5.3	7.2	8.8	11	11	12
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.8	1.7	1.8	2.2	1.9	1.8
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	21	28	36	38	43	45
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	0.21 J	0.23 J	0.26 J	0.29 J	0.25 J
VINYL CHLORIDE	ug/l	0.38 J	0.37 J	0.35 J	0.35 J	0.35 J	ND@1.0

April 18, 2013

IBM Corporation

66-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	10/15/2012	10/22/2012	10/29/2012	11/05/2012	11/12/2012	11/19/2012
Laboratory Sample I.D.	R1207015-007	R1207214-005	R1207459-005	R1207578-006	R1207775-005	R1207996-005
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	15	17	19	20	21	20
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.8	1.5	1.6	1.3	1.4	1.3
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	56	67	80	69	77	79
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.30 J	0.32 J	0.35 J	0.35 J	0.40 J	0.29 J
VINYL CHLORIDE	ug/l	0.36 J	0.34 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

67-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	514	514	514	514	514	514
Sample Description	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4	C CARB/GAC 4
Sample Date	11/26/2012	12/03/2012	12/10/2012	12/14/2012	12/17/2012	12/26/2012
Laboratory Sample I.D.	R1208083-005	R1208267-006	R1208453-002	R1208607-001	R1208634-005	R1208778-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	24	25	36	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.5	1.1	1.5	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	86	86	100	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	5.8	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	1.2	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.36 J	0.37 J	0.37 J	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.35 J	0.40 J

April 18, 2013

IBM Corporation

68-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	514	524	524	524	524	524
Sample Description	C CARB/GAC 4	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	12/31/2012	01/03/2012	01/09/2012	01/16/2012	01/23/2012	01/30/2012
Laboratory Sample I.D.	R1300024-002	R1200019-007	R1200149-006	R1200308-006	R1200468-006	R1200607-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.1 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.23 J	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	0.22 J	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.35 J	0.25 J	0.25 J	0.26 J	0.37 J

April 18, 2013

IBM Corporation

69-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	02/06/2012	02/13/2012	02/20/2012	02/27/2012	03/05/2012	03/12/2012
Laboratory Sample I.D.	R1200790-007	R1200994-006	R1201156-006	R1201288-006	R1201425-007	R1201599-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.67 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.37 J	0.59 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.37 J	1.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.38 J	0.39 J	0.47 J	0.39 J	0.40 J

April 18, 2013

IBM Corporation

70-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	03/19/2012	03/26/2012	04/02/2012	04/09/2012	04/16/2012	04/23/2012
Laboratory Sample I.D.	R1201770-006	R1201907-006	R1202037-007	R1202221-006	R1202395-006	R1202542-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.3	2.4	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.99 J	1.1	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	7.9	13	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.43 J	0.34 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

71-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	04/30/2012	05/07/2012	05/14/2012	05/21/2012	05/29/2012	06/04/2012
Laboratory Sample I.D.	R1202702-006	R1202881-007	R1203069-006	R1203243-006	R1203422-006	R1203532-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

72-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	06/11/2012	06/18/2012	06/25/2012	07/02/2012	07/06/2012	07/09/2012
Laboratory Sample I.D.	R1203718-006	R1203881-006	R1204034-006	R1204215-007	R1204347-002	R1204339-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	0.27 J	0.35 J	0.30 J	ND@1.0

April 18, 2013

IBM Corporation

73-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	07/16/2012	07/23/2012	07/30/2012	08/06/2012	08/13/2012	08/20/2012
Laboratory Sample I.D.	R1204533-006	R1204709-006	R1204898-006	R1205064-007	R1205289-006	R1205455-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

74-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	08/27/2012	09/04/2012	09/10/2012	09/17/2012	09/24/2012	10/01/2012
Laboratory Sample I.D.	R1205606-006	R1205801-007	R1205979-006	R1206173-006	R1206402-006	R1206583-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.6 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

75-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	10/08/2012	10/15/2012	10/22/2012	10/29/2012	11/05/2012	11/12/2012
Laboratory Sample I.D.	R1206788-006	R1207015-008	R1207214-006	R1207459-006	R1207578-007	R1207775-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

76-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	524	524	524	524
Sample Description	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL	PW-25 EFFL
Sample Date	11/19/2012	11/26/2012	12/03/2012	12/10/2012	12/14/2012	12/17/2012
Laboratory Sample I.D.	R1207996-006	R1208083-006	R1208267-007	R1208453-003	R1208607-002	R1208634-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.36 J	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

77-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	524	524	555	555	555	555
Sample Description	PW-25 EFFL	PW-25 EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	12/26/2012	12/31/2012	01/03/2012	01/09/2012	01/16/2012	01/23/2012
Laboratory Sample I.D.	R1208778-003	R1300024-003	R1200019-002	R1200149-001	R1200308-001	R1200468-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	1.3 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	0.65 J
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.44 J	0.26 J	0.22 J	0.23 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	3.8	4.0	3.9	3.7

April 18, 2013

IBM Corporation

78-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	01/30/2012	02/06/2012	02/13/2012	02/20/2012	02/27/2012	03/05/2012
Laboratory Sample I.D.	R1200607-001	R1200790-002	R1200994-001	R1201156-001	R1201288-001	R1201425-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.29 J	0.26 J	0.23 J	0.25 J	0.30 J	0.24 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	3.8	3.5	3.3	3.2	4.8	3.4

April 18, 2013

IBM Corporation

79-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics

January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	03/12/2012	03/19/2012	03/26/2012	04/02/2012	04/09/2012	04/16/2012
Laboratory Sample I.D.	R1201599-001	R1201770-001	R1201907-001	R1202037-002	R1202221-001	R1202395-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	1.3 J	ND@5.0	2.3 J	2.5 J	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.29 J	ND@1.0	ND@1.0	0.27 J	0.34 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	2.9	3.0	2.5	2.2	2.8	3.0

April 18, 2013

IBM Corporation

80-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	04/23/2012	04/30/2012	05/07/2012	05/14/2012	05/21/2012	05/29/2012
Laboratory Sample I.D.	R1202542-001	R1202702-001	R1202881-002	R1203069-001	R1203243-001	R1203422-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	2.4 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	2.7	2.6	2.2	1.9	2.3	1.9

April 18, 2013

IBM Corporation

81-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	06/04/2012	06/11/2012	06/18/2012	06/25/2012	07/02/2012	07/09/2012
Laboratory Sample I.D.	R1203532-002	R1203718-001	R1203881-001	R1204034-001	R1204215-002	R1204339-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	4.3 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.20 J	ND@1.0	ND@1.0	ND@1.0	0.32 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	1.9	2.1	1.8	2.0	2.4	2.3

April 18, 2013

IBM Corporation

82-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	07/16/2012	07/23/2012	07/30/2012	08/06/2012	08/13/2012	08/20/2012
Laboratory Sample I.D.	R1204533-001	R1204709-001	R1204898-001	R1205064-002	R1205289-001	R1205455-001
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	2.0	2.6	2.6	2.4	2.4	3.4

April 18, 2013

IBM Corporation

83-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	08/27/2012	09/04/2012	09/10/2012	09/17/2012	09/24/2012	10/01/2012
Laboratory Sample I.D.	R1205606-001	R1205801-002	R1205979-001	R1206173-001	R1206402-001	R1206583-002
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	2.8	2.2	1.9	2.0	1.9	1.8

April 18, 2013

IBM Corporation

84-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	10/08/2012	10/15/2012	10/22/2012	10/29/2012	11/05/2012	11/12/2012
Laboratory Sample I.D.	R1206788-001	R1207015-003	R1207214-001	R1207459-001	R1207578-002	R1207775-001
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.57 J	0.40 J	0.33 J	ND@1.0	0.35 J

April 18, 2013

IBM Corporation

85-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	555	555	555	555	555
Sample Description	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL	C CARB EFFL
Sample Date	11/19/2012	11/26/2012	12/03/2012	12/10/2012	12/17/2012	12/26/2012
Laboratory Sample I.D.	R1207996-001	R1208083-001	R1208267-002	R1208453-001	R1208634-001	R1208778-001
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	0.38 J	0.34 J	0.44 J	0.67 J	0.58 J

April 18, 2013

IBM Corporation

86-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	555	612	612	612	612	612
Sample Description	C CARB EFFL	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date	12/31/2012	01/05/2012	02/02/2012	03/07/2012	04/05/2012	05/04/2012
Laboratory Sample I.D.	R1300024-001	R1200094-004	R1200729-009	R1201509-011	R1202185-008	R1202878-005
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	0.31 J	0.25 J	0.29 J	0.31 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	0.64 J	0.56 J	0.53 J	0.70 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

87-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	612	612	612	612	612	612
Sample Description	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date	06/08/2012	07/06/2012	08/08/2012	09/04/2012	10/03/2012	11/08/2012
Laboratory Sample I.D.	R1203691-004	R1204354-007	R1205176-005	R1205803-013	R1206672-006	R1207717-006
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.24 J	0.25 J	0.26 J	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	0.58 J	0.59 J	0.69 J	0.64 J	0.71 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

88-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	612	617	617	617	617	617
Sample Description	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	REPLICATE	GW/B322 IN
Sample Date	12/10/2012	01/05/2012	02/02/2012	03/07/2012	03/07/2012	04/05/2012
Laboratory Sample I.D.	R1208508-004	R1200094-005	R1200729-010	R1201509-012	R1201509-013	R1202185-009
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	0.32 J	0.32 J	0.34 J	0.33 J
TRICHLOROETHYLENE	ug/l	0.64 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

89-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	617	617	617	617	617	617
Sample Description	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date	05/04/2012	06/08/2012	07/06/2012	08/08/2012	09/04/2012	10/03/2012
Laboratory Sample I.D.	R1202878-006	R1203691-005	R1204354-008	R1205176-006	R1205803-014	R1206672-007
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.26 J	0.26 J	0.30 J	0.32 J	0.34 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

90-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	617	617	618	618	618	618
Sample Description	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date	11/08/2012	12/10/2012	01/05/2012	02/02/2012	03/07/2012	04/05/2012
Laboratory Sample I.D.	R1207717-007	R1208508-005	R1200094-006	R1200729-011	R1201509-014	R1202185-010
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	0.87 J	1.0	0.75 J
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.30 J	0.35 J	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

91-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	618	618	618	618	618	618
Sample Description	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date	05/04/2012	06/08/2012	07/06/2012	08/08/2012	09/04/2012	10/03/2012
Laboratory Sample I.D.	R1202878-007	R1203691-006	R1204354-009	R1205176-007	R1205803-015	R1206672-008
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	0.75 J	0.67 J	ND@1.0	0.67 J	0.72 J
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

92-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	618	618	618	628	628	628
Sample Description	GW/B322 IN	GW/B322 IN	REPLICATE	GW/AREA B IN	GW/AREA B IN	REPLICATE
Sample Date	11/08/2012	12/10/2012	12/10/2012	01/03/2012	02/02/2012	02/02/2012
Laboratory Sample I.D.	R1207717-008	R1208508-006	R1208508-007	R1200021-010	R1200729-004	R1200729-008
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	0.81 J	0.83 J	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	0.88 J	0.43 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

93-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628	628	628	628	628	628
Sample Description	GW/AREA B IN	GW/AREA B IN	GW/AREA B IN	REPLICATE	GW/AREA B IN	GW/AREA B IN
Sample Date	03/06/2012	04/02/2012	05/01/2012	05/01/2012	06/05/2012	07/02/2012
Laboratory Sample I.D.	R1201472-006	R1202043-009	R1202749-004	R1202749-005	R1203600-011	R1204226-010
Sample Comment Codes						
Parameter	Units					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.43 J	0.48 J	0.37 J	0.37 J	0.45 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

94-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628	628	628	628	628	628
Sample Description	REPLICATE	GW/AREA B IN	REPLICATE	GW/AREA B IN	GW/AREA B IN	GW/AREA B IN
Sample Date	07/02/2012	08/06/2012	08/06/2012	09/04/2012	10/01/2012	11/05/2012
Laboratory Sample I.D.	R1204226-011	R1205058-007	R1205058-008	R1205803-010	R1206588-006	R1207575-010
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.56 J	0.64 J	0.59 J	0.84 J	0.75 J	0.93 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

95-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628	628A	628A	628A	628A	628A
Sample Description	GW/AREA B IN	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL
Sample Date	12/05/2012	01/03/2012	02/02/2012	03/06/2012	04/02/2012	05/01/2012
Laboratory Sample I.D.	R1208332-009	R1200021-011	R1200729-005	R1201472-007	R1202043-010	R1202749-006
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.49 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

96-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628A	628A	628A	628A	628A	628A
Sample Description	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL
Sample Date	06/05/2012	07/02/2012	08/06/2012	09/04/2012	10/01/2012	11/05/2012
Laboratory Sample I.D.	R1203600-012	R1204226-012	R1205058-009	R1205803-012	R1206588-007	R1207575-011
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

97-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628A	628B	628B	628B	628B	628B
Sample Description	AREA B EFFL	AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC
Sample Date	12/05/2012	01/03/2012	02/02/2012	03/06/2012	04/02/2012	05/01/2012
Laboratory Sample I.D.	R1208332-010	R1200021-012	R1200729-006	R1201472-008	R1202043-011	R1202749-007
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

98-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628B	628B	628B	628B	628B	628B
Sample Description	AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC
Sample Date	06/05/2012	07/02/2012	08/06/2012	09/04/2012	10/01/2012	11/05/2012
Laboratory Sample I.D.	R1203600-013	R1204226-013	R1205058-010	R1205803-011	R1206588-008	R1207575-012
Sample Comment Codes						

Parameter	Units						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

April 18, 2013

IBM Corporation

99-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Sample Location	628B
Sample Description	AREA B/GAC
Sample Date	12/05/2012
Laboratory Sample I.D.	R1208332-011
Sample Comment Codes	

Parameter	Units	
Base/Neutral Extractables		
1,2-DICHLOROBENZENE	ug/l	ND@1.0
Volatile Organics		
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0
ACETONE	ug/l	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0
M,P-XYLENE	ug/l	ND@2.0
O-XYLENE	ug/l	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0

April 18, 2013

IBM Corporation

100-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location	395	395	395	395	395	395
Sample Description	B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE	B/384 SUMP
Sample Date	01/05/2012	02/02/2012	03/13/2012	04/03/2012	04/03/2012	05/04/2012
Laboratory Sample I.D.	R1200097-001	R1200729-013	R1201655-001	R1202095-004	R1202095-005	R1202877-001
Sample Comment Codes						

Parameter	Units						
Inorganics							
FLUORIDE	mg/l	1.24	1.21	1.20	1.24	1.25	1.33
Metals							
CHROMIUM, DISSOLVED	mg/l	0.0012	0.0009 J	0.0055	0.0062	0.0058	0.0318
CHROMIUM, TOTAL	mg/l	0.0033	0.0015	0.486	0.185	0.152	0.0997

April 18, 2013

IBM Corporation

1-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location	395	395	395	395	395	395
Sample Description	B/384 SUMP	REPLICATE	B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE
Sample Date	06/11/2012	06/11/2012	07/06/2012	08/08/2012	09/05/2012	09/05/2012
Laboratory Sample I.D.	R1203723-006	R1203723-009	R1204354-004	R1205176-009	R1205858-004	R1205858-005
Sample Comment Codes						

Parameter	Units						
Inorganics							
FLUORIDE	mg/l	1.17	1.21	1.37	0.97	0.94	0.94
Metals							
CHROMIUM, DISSOLVED	mg/l	0.0031	0.0028	0.0023	ND@0.0010	0.0013	0.0011
CHROMIUM, TOTAL	mg/l	0.0860	0.100	0.0550	0.0043	0.0983	0.0896

April 18, 2013

IBM Corporation

2-1

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Sample Location	395	395	395
Sample Description	B/384 SUMP	B/384 SUMP	B/384 SUMP
Sample Date	10/04/2012	11/08/2012	12/10/2012
Laboratory Sample I.D.	R1206744-001	R1207717-010	R1208508-016
Sample Comment Codes			

Parameter	Units			
Inorganics				
FLUORIDE	mg/l	0.80	0.92	0.92
Metals				
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0010	0.0022
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0184	0.0338

IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2012 - December 31, 2012

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA	Not Analyzed
ND@X	Not Detected at Detection Limit X

Code	Explanation

J	Estimated value - compound meets identification criteria, but result is less than the reporting limit