8976 Wellington Road
Manassas, VA 20109

May 26, 2016

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

Subject: 2015 Annual Corrective Action Status Report

Reference: IBM East Fishkill Corrective Action Program
IBM East Fishkill Facility
Hopewell Junction, New York
NYSDEC Part 373 Permit 3-1328-0025/00249
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:

2015 Annual Corrective Action Status Report
Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID No. NYD000707901

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 Dean Chartrand at (703) 257-2583 if you have any questions or require further information.

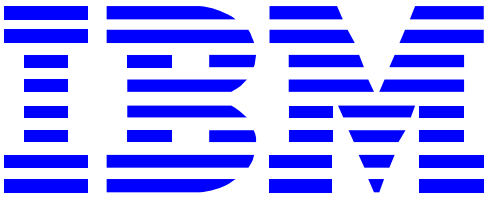
Sincerely yours,

M. E. Meyers

Mitchell E. Meyers
Manager, Environmental Remediation
IBM Corporate Environmental Affairs

Enclosure

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H. Wilkie, NYSDEC (electronic copy)
G. Marone GLOBALFOUNDRIES (with enclosure and electronic copy)



2015 Annual Corrective Action Status Report
Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID No. NYD000707901

Prepared for:

IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, VA 20109

May 26, 2016

Prepared by:

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1 INTRODUCTION

This report has been prepared by Groundwater Sciences Corporation (GSC) on behalf of IBM Corporate Environmental Affairs for the Former IBM East Fishkill Facility (IBMEF). IBMEF is located at the Hudson Valley Research Park in the Town of East Fishkill, Dutchess County, New York (Figure 1-1).

On July 1, 2015 IBMEF was acquired by GLOBALFOUNDRIES U.S. 2LLC (GF). GF is listed as the facility owner under the current New York State Department of Environmental Conservation (NYSDEC) Part 373 Permit[1], with IBM maintaining responsibility for Groundwater Corrective Action[2]. The NYSDEC Part 373 Permit was renewed in 2011, with the Facility covering an area of approximately 450 acres referred to as the Main Site. Under the original Part 373 Permit[3], the Facility covered an area of approximately 600 acres, and included the Main Site and the former West Complex west of Gildersleeve Brook. Groundwater monitoring wells are also located on the Former IBM Recreation center parcel 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)/ Operable Units (OU) and the Deep Bedrock AOC (OU2) are contaminated with organic chemicals. The shallow AOCs and corresponding OUs shown on Plate 1 are Area A (OU5), Area B (OU3), Area C (Landfill/OU6), Building 330 (B/330/OU8), Area D (OU4), Southeast Quadrant (SEQ/OU9), and Building 322 (B/322/OU7). There are no AOCs at the former West Complex 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

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[1] *NYSDEC, November 2, 2011, 6NYCRR Part 373 Hazardous Waste Management Permit, IBM Corporation East Fishkill Facility.*

[2] NYSDEC, July 1, 2015, *Facility Permit Transfer IBM Corporation to GLOBALFOUNDRIES U.S. 2LLC, East Fishkill Facility*

[3] NYSDEC, 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.*

primary water supply source for IBMEF and its neighbors. Of the 17 production wells historically operated by IBM, nine wells (PW-1, -2, -4, -5/5A, -6, -7, -9, -23, and -25) are located on the Main Site. Wells PW-5/5A, PW-6, and PW-7, and PW-9 on the Main Site are now used only for water supply emergencies. The other production wells are located on properties to the north and northwest, and as of July 1, 2015 are GF-owned properties. Beginning in August 2007, water from the production wells has been supplemented with municipal water from the Poughkeepsies' Water Treatment Facility via the Central Dutchess Water Transmission Line.

Groundwater monitoring and remediation activities have undergone a succession of incremental modifications since the late 1970s. A Groundwater Monitoring Plan (GMP) was implemented during the first quarter of 1996 and subsequently approved by NYSDEC in accordance with Modules III and IX of the site's original 6 NYCRR Part 373 Permit. In October 1999, the GMP sampling list and sampling frequencies were modified with NYSDEC approval. In 2003, minor changes to the GMP were approved by NYSDEC. IBM's Part 373 Permit was renewed by NYSDEC on November 2, 2011, and the GMP remained in effect per Modules II and IX of the Permit.

On April 16, 2014, NYSDEC approved groundwater extraction and treatment as the final corrective measures[4] and added Appendix II-H entitled "Final Corrective Measures and Response to Comments on the Statement of Basis" to the Part 373 Permit. NYSDEC assigned an Operable Unit (OU) designation to each AOC listed in Appendix II-H.

NYSDEC approved several changes to the groundwater monitoring plan and remediation systems in 2014. On January 15, 2014 NYSDEC approved a termination petition and work plan for shutdown of B/322 AOC (OU7) extraction well GW-618[5], as discussed in Section 4.2.2. On June 4, 2014 NYSDEC approved a proposal to discontinue detection monitoring and to decommission 25 wells at the Former West Complex[6]. On October 29, 2014 NYSDEC granted permission[7] to discontinue routine monthly sampling of PW-5/5A, PW-6 and PW-7, which had been removed from service in

[4] NYSDEC to IBM Environmental Engineering, April 16, 2014, *DEC ID # 3-1328-00025/00249, 6NYCRR Part 373 Hazardous Waste, Treatment, Storage, and Disposal Facility Permit*.

[5] NYSDEC to IBM Environmental Engineering, January 15, 2014, *Regarding Termination Petition, Extraction Well 618, B/322 Remediation Area*.

[6] NYSDEC to IBM Environmental Engineering, June 4, 2014, *Regarding Sampling Termination Petition and Well Abandonment Plan, Former West Complex, IBM East Fishkill Facility*.

[7] NYSDEC to IBM Environmental Engineering, October 29, 2014, *Regarding GMP Modification for PW-5/5A, PW-6, and PW-7*.

2007 following approval from NYSDEC to conduct a controlled and monitored shutdown test designed to provide more efficient and targeted containment and recovery of contaminants at the site. As stated previously, these wells are now used for water supply emergencies, and will be sampled only if they are pumping.

In the third quarter of 2015, NYSDEC approved shutdown testing of four shallow remediation systems. On July 15, 2015 NYSDEC approved shutdown testing of B/322 AOC (OU7) extraction wells GW-612, GW-613, and GW-617[8] as discussed in Section 4.2.3. On July 9, 2015 NYSDEC approved shutdown testing of Area B (OU3) extraction well GW-628[9] (Section 4.2.4), Area D (OU4) extraction well GW-032B[10] (Section 4.2.5), and SEQ (OU9) extraction well PW-23[11] (Section 4.2.6).

On September 18, 2015 IBM submitted a modified GMP requesting changes in sampling frequency of volatile organic compounds (VOC) and type and frequency of inorganic sampling parameters[12]. NYSDEC approved the request on September 30, 2015[13] and the new GMP was implemented in the fourth quarter of 2015.

The current GMP designates 381 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. 148 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 their physical specifications are listed in Table A-2 of Appendix A. The current GMP sampling schedule is shown on Table A-3 of Appendix A.

[8] NYSDEC to IBM Corporate Environmental Affairs July 15, 2015, *Shutdown Test Request – Extraction Wells 612, 613, and 617, B/322 Area of Concern (OU-7).*

[9] NYSDEC to IBM Corporate Environmental Affairs, July 9, 2015, *Shutdown Test Request – Extraction Well 628, Area B Remediation Area (OU-3*).

[10] NYSDEC to IBM Corporate Environmental Affairs, July 9, 2015, *Shutdown Test Request – Extraction Well 032B, Area D Remediation Area (OU-4).*

[11] NYSDEC to IBM Corporate Environmental Affairs, July 9, 2015, *Shutdown Test Request – Production Well PW-23, Southeast Quadrant Area of Concern (OU-9).*

[12] IBM to NYSDEC via e-mail, Groundwater Sciences Corporation, September 17, 2015, *Groundwater Monitoring Plan, Former IBM East Fishkill Facility*.

[13] NYSDEC to IBM Corporate Environmental Affairs, September 30, 2015, *Request for Groundwater Monitoring Plan Modifications*.

1.1 Purpose

This annual groundwater monitoring status report summarizes data collected during 2015 under the previous and the current GMPs, 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 Part 373 Permit for all AOCs and solid waste management units (SWMUs) where groundwater is monitored.

1.2 Scope

This report addresses items specified in Module IX, Section H of the 2011 Part 373 Permit and in Section 3.2 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 the requirement 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, 2a, 2b, 2c, 3, 3a, 3b and 3c)
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 (μg/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 3-19; Table 3-2)
7. Determination of statistically significant increase in contamination at Point-of-Compliance (POC) wells. (3.2.1.2.2; Figures 3-20 through 3-25; 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. (4.2.11)
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, 2015 through December 31, 2015. Since 2009, the monthly, quarterly, semiannual, and annual CAP wells (Table A-3 of Appendix A) have been sampled from January through June. Therefore, potentiometric data from the first and second quarter of 2015 and chemistry data from January through May 2015 were used to construct the maps in this report.

2 HYDROGEOLOGY

Groundwater at the Main Site occurs in saturated zones within both the soil and bedrock units. 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 2015 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 2015, the hydrogeologic characteristics of the Main Site were evaluated by means of quarterly water level measurements taken principally on March 9-26, April 13-22, July 20-22, and October 5-7, 2015 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, Plate 2a, Plate 2b, and Plate 2c show the groundwater elevations for portions of the soil water table during the first quarter of 2015 (March 9-26), second quarter of 2015 (April 13-15), third quarter of 2015 (July 20-22), and fourth quarter 2015 (October 5-7) under dynamic conditions of long-term corrective action pumping in the bedrock. The well classifications (i.e. wells monitored for chemistry and groundwater elevations or groundwater elevations only) indicated on each map correspond to the GMP that was in effect when the measurement was taken. The same applies to other plates presented. The gray cross-hatched areas on Plates 2 and 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. Plates 2, 2a, 2b, and 2c show similar unsaturated areas and groundwater elevations. The unsaturated areas shown on Plate 2a are also shown on the soil isoconcentration maps; therefore, the primary focus of the following discussion is Plate 2a.

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 which, 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 2a. 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 ("dry" areas) are shown with cross-hatching on Plate 2a.

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 (OU5), Area D (OU4), and the B/322 AOC (OU7). Significant areas with regard to contamination of soil groundwater in glacial till are in the B/330 (OU8) and Area C (Landfill/OU6) AOCs.

2.2.1.1 Area A (OU5)

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 2a. 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 2a). 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 GW-010, GW-748, and GW-763. During periods of normal precipitation (as was the case in 2015) 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" on Plate 2a.

The remainder of the flow from beneath B/310 in the northern part of Area A is typically toward the northwest and northeast corner of B/308 in the vicinity of East Drive where the silt/clay and dense till are absent (Plate 2a). In this area, referred to as the "B/308 sink" (refer to closed "245 feet" contour, Plate 2a), 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 2a. 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 2015 of 0.6 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. Easterly flow from the B/310, B/308, and B/386 area not captured by the B/384 sump or the B/308 sink flows across the edge of the silt and clay and then downward into deeper soils and bedrock near the intersection of East Drive and Shenandoah Drive.

Flow from the southeast corner of B/310 is to the south and southeast (Plate 2a). A groundwater flow divide in the alluvial unit above the silt/clay near wells GW-103 and GW-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 "Utility Drive" road label on Plate 2a.

2.2.1.2 B/322 AOC (OU7)

Groundwater flow in the B/322 AOC controls migration of a plume emanating from the northeastern corner of B/322 near well GW-735, as discussed in Section 3.2.1.1.1. Groundwater in the alluvial unit above the silt/clay (Plate 2a) flows from an area of high top-of-silt/clay elevation in the vicinity of wells GW-735 and GW-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 2a also produces a westerly component of flow toward the B/322 remediation system consisting of pumping wells GW-612 and GW-617. Wells GW-613 and GW-618 were inactive throughout 2015. With NYSDEC permission, shutdown testing began on August 1, 2016 as discussed in Section 4.2.3. Prior to the start of the shutdown test, groundwater flow into the B/322 remediation system averaged 7.3 gpm in 2015 and is discussed further in Section 4.1.3.4.

2.2.1.3 B/330 (OU8), Area C (Landfill/OU6), and SEQ (OU9)

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 2a. Although some groundwater in these areas is perched on the silt/clay, the soil groundwater elevations shown on Plate 2a 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 GW-180, GW-181, and GW-602 (Plate 2a); 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 soil unit 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.

Prior to the start of NYSDEC approved shutdown testing on August 10, 2015, pumping of PW-23 in the shallow bedrock averaged approximately 11 gpm in 2015 and increased the hydraulic gradients in the saturated soil unit adjacent to the extraction well. 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 (OU4)

In Area D, a small, localized depression in the water table within the alluvial unit results from the pumping of well GW-032B (Plate 2a), and is discussed further in Section 4.1.3.3. Prior to

commencement of the NYSDEC approved shutdown test on August 1, 2015, well 032B pumped at an average rate of 3.8 gpm in 2015.

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 shown on Plate 2a 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 historical groundwater elevations were typically greater than 265 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 GW-400 and GW-403 flows to the east beneath John Jay High School and toward Gildersleeve Brook.

Although Plate 2a does not show the silt/clay unit on the former West Complex, historical data from soil 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 over two orders of magnitude, from 0.093 to 9.3 feet per day (ft/day), with a median of 0.93 ft/day. These flow velocities were calculated (1) from hydraulic conductivities determined from evaluation of slug tests, (2) using hydraulic gradients measured on the groundwater elevation contour maps shown in this report, and (3) assuming a porosity of 35%, as determined from laboratory tests on soil samples. Measured hydraulic conductivities for monitoring wells screened in the alluvial sand west of B/322 range from 1 to 100 ft/day, with a median value of 10 ft/day. Measured hydraulic gradients range from 0.0028 to 0.12, with a representative median gradient of 0.033.

2.3 Bedrock Groundwater Elevations

Prior to the start of corrective action pumping in the 1980s, groundwater in the bedrock water-bearing zone 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 and solution features in the dolostone bedrock.

2.3.1 Potentiometric Head Distribution

Under natural (non-pumping) conditions, bedrock groundwater flow would follow 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. However, the 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 March 9-26 under dynamic conditions of long-term corrective action pumping at deep bedrock production wells PW-1, -2, -4, and -25. Plate 3a shows the potentiometric head distribution in the deep bedrock during April 2015 and Plate 3b shows the potentiometric head distribution in the deep bedrock during early July 2015 with the same four production wells pumping. Plate 3c shows the potentiometric head distribution during the period of October 5-7 with pumping at PW-1, -2 and -25 during NYSDEC-approved shutdown of PW-4 for bedrock production well optimization testing, as discussed in Section 4.2.7. Figure 2-1 shows potentiometric head conditions in the Southeast Quadrant at shallow bedrock production well PW-23, where the zone of hydraulic capture is limited to the immediate vicinity of the well. Elevations recorded on July 20, 2015 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. The majority of the chemistry data shown on Plates 6 and 7 was collected in April and early May 2015; therefore, Plate 3a is the reference in the following discussion of bedrock groundwater elevations.

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 GW-529, GW-542, and GW-900 near the Southeast Quadrant (OU9) and Area C (Landfill/OU6), to less than 130 feet amsl in the vicinity of on-site deep bedrock production wells PW-1, -2, -4, and -25 (Plate 3a). Excluding the production wells, the lowest measured bedrock groundwater elevation shown on Plate 3a was 124.74 feet amsl at well GW-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 particle flow paths.

Groundwater flow velocities in the bedrock aquifer are controlled by fracture geometry, orientation, density, aperture, and smoothness. These controlling parameters are difficult to specifically characterize at this site because of the complex structural geology. Consequently, meaningful bedrock groundwater flow velocities are difficult to estimate. However, a range of horizontal gradients in the deep bedrock can be estimated from Plate 3a. These horizontal gradients generally range from 0.1 to 0.4 (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. All of 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 March (Plate 3), April (Plate 3a), and July (Plate 3b) potentiometric contours, the site can be divided into six areas of hydraulic capture/containment. The potentiometric contours on Plates 3, 3a, and 3b show little change in the overall pattern of groundwater flow throughout 2015. The October potentiometric contours (Plate 3c), discussed in Section 4.2.7, show hydraulic capture/containment with pumping at PW-1, PW-2, and PW-25 only.

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 185 feet amsl in the vicinity of well GW-122 and greater than 210 feet amsl in the vicinity of well GW-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 as far as Lime Kiln Road and possibly 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 2002 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 GW-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 GW-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 flow divide runs from the potentiometric high at well GW-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 (OU9), and includes the Area C AOC (Landfill/OU6). 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 GW-552) in the SEQ (OU9). 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 well[14]. Figure 2-1 shows the shallow bedrock potentiometric contours in the SEQ based on July 20, 2015 groundwater elevations. Following the start of NYSDEC-approved shutdown testing of PW-23 in August, discussed in Section 4.2.6, this limited capture zone is not present. Groundwater flow in the SEQ shallow bedrock is generally northward toward Lime Kiln Road.

The sixth area of hydraulic capture is produced by shallow bedrock extraction well GW-628 in Area B (OU3). Groundwater in the Area B shallow bedrock generally flows from the bedrock high to the south of well GW-628 to the north and northeast towards well GW-065 along Lime Kiln Road. The hydraulic capture zone of well GW-628 appears to be limited to the immediate vicinity of the well, particularly during times of very high and very low groundwater elevations. Figure 2-1 shows the shallow bedrock potentiometric contours in Area B based on July 20, 2015 groundwater elevations. Following the start of the NYSDEC-approved shutdown test at well GW-628 in August, discussed in Section 4.2.8, the limited capture zone is not present.

[14] 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.*

Elsewhere in the SEQ AOC (OU9), 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.

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 in 2015. The results of related QA/QC sampling conducted in 2015 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 2015, 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 (SAMP15a.DBF) readable by most database and spreadsheet applications. SAMP15a.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 FIELD15a.DBF. This file contains field parameter data for pH, temperature, specific conductance, and turbidity for all of 2015. These parameters were 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 2015 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the first quarter of 2015.

3.1.2 Second Quarter 2015 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the second quarter of 2015 with the following exceptions.

1. Field parameters were not recorded for high VOC concentration wells GW-572 and GW-574 during annual sampling.

3.1.3 Third Quarter 2015 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the third quarter of 2015.

3.1.4 Fourth Quarter 2015 Sampling

All monitoring and production wells included in the Groundwater Monitoring Plan (GMP) were sampled for all required parameters during the fourth quarter of 2015 with the following exception:

1. Depth to water readings after purging were not recorded for wells GW-611 and GW-769.
2. Semiannual sampling of well GW-714 could not be completed because the well was dry.

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 2015 (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, 2015. The inorganic data (Fluoride, As, Ni, and Cr) for 2015 is presented in Appendix D separately from the VOC data. The results for duplicate samples (split samples) collected for intralaboratory precision information during 2015 are also presented in Appendix D and are discussed in Section 3.2.2. Supplemental groundwater chemistry data from GMP and non-CAP wells can be found in Appendix D.

Table 3-1 lists the maximum concentration and location of the maximum concentration during 2015 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 2015 (µg/l) (does not include production wells or groundwater treatment points)

Parameter	NYSGQS (µg/l)	Soil Water-Bearing Zones		Bedrock Water-Bearing Zones	
		Location	Conc. (µg/l)	Location	Conc. (µg/l)
Chlorobenzene	5	767	0.6	559	0.8
1,2-Dichlorobenzene	3	766	5.6	960	19
Dichlorodifluoromethane (Freon 12)	5	016	11	734	0.2
Ethylbenzene	5	none	not detected	none	not detected
Vinyl Chloride	2	572	35	954	11
1,2-Dichloro-1,2,2-trifluoroethane (Freon 123a)	5	627	16	732	13
Tetrachloroethene	5	572	250,000	118	170,000
1,1,2-trichloro-1,2,2-trifluoroethane (Freon TF)	5	714	60	118	1,200
Trichloroethene	5	572	780	941	1,800
cis-1,2-Dichloroethene	5	572	1,100	607	680
Fluoride	1,500	627	79,500	960	260
Chromium (total) Chromium (dissolved)	50	773 793	3,360 7.5	007 952	16.5 2.0
Arsenic (total) Arsenic (dissolved)	25	755 766	29.5 15.3	959 742	11.2 3.9
Nickel (total) Nickel (dissolved)	100	769 627	591 318	not applicable	not applicable[2]
Acetone[1]	None[3]	181	18	601	2.7
Trichlorofluoromethane (Freon 11)	5	751	0.5	732	6.2
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	3.7	732	1.6

NYSGQS - 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 - Common laboratory contaminant.
2 - Bedrock monitoring wells are not sampled for nickel.
3 - 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).
Due to the very high concentrations of PCE in wells 572, 574, and 118, higher concentrations of some parameters may have been diluted out in the laboratory analysis for these three wells.

3.2.1.1 Groundwater Chemistry Maps

There are at least nine separate plumes in the soil unit and at least four in the bedrock water-bearing zones. 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 May 2015. 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 µg/l of one key compound (Freon TF) or the sum of key compounds (normalized PCE-series compounds as described above). Where sufficient data exists to determine the extent of each plume, the approximate plume limits are shown as dotted 5 µg/l contours on Plates 4 through 7.

In general, these isoconcentration maps show that contaminant transport 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 four on-site deep bedrock production wells. Control of contaminant transport 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 (OU5). 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 GW-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 GW-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 µg/l. Two GMP monitoring wells (GW-015 and GW-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 appears to extend 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 GW-720 (the "B/308 sink" described in Section 2.2.1.1). The plume also appears to extend to the southeast beneath B/386. PCE-series concentrations less than 100 µg/l are found south of B/386 and Shenandoah Drive (Plate 4).

Area B (OU3) contains a small plume with low concentrations (less than 5 µg/l) of PCE-series compounds in soil and shallow bedrock near wells GW-046 (soil, Plate 4) and GW-628 (shallow bedrock, Plate 6). Prior to the start of NYSDEC-approved shutdown testing of well GW-628, active remediation of this plume continued in 2015 using the pump-and-treat system at near source well GW-628. Historically, PCE-series concentrations of 2 to 3 µg/l have been detected at soil monitoring well 064 (Plate 4) along Lime Kiln Road northeast of well GW-628. PCE-series concentrations were less than 1 µg/l in the first and second quarters, and 2 µg/l in the third quarter. Low concentrations of PCE-series compounds (with PCE generally less than 1.5 µg/l) have also been detected at quarterly bedrock monitoring well GW-065 (Plate 6) during periods of reduced precipitation and resulting low groundwater elevations. Such conditions may reduce the size of the zone of capture at shallow bedrock well GW-628 and allow low concentrations of PCE-series compounds to migrate northward toward wells GW-064 and GW-065. PCE-series parameters were not detected in the first quarter at well GW-065, while the PCE-series concentrations were less than 1 µg/l in the second and third quarters. PCE-series concentrations were less than the NYSGQS at soil and shallow bedrock wells GW-064 and GW-065. Results of fourth quarter sampling, conducted after shutdown of well GW-628, are discussed in Section 4.2.4.

The B/330 AOC (OU8) soil VOC plumes (Plate 4) have multiple source areas and consist primarily of PCE-series compounds. The soil groundwater plumes (Plate 4) are the sources 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 GW-572 (250,000 µg/l, Plate 4) where separate-phase PCE was recovered between 1994 and 2001 during sampling of well GW-572. A second soil VOC plume is located on the northeast side of B/330C near well GW-956 (Plate 4); this plume appears to be associated with a source in the vicinity of soil monitoring wells GW-576, GW-178 and GW-956 where PCE-series concentrations are less than 400 µg/l, and soil/bedrock monitoring well GW-574. A third soil VOC plume is associated with a source near well GW-181 between B/330D and B/335 where PCE-series concentrations were as high as 77 µg/l; this plume appears to merge with the plume originating near well GW-572.

The soil VOC plume associated with Area C (Landfill/OU6) is also composed primarily of PCE-series compounds and has an apparent source near soil/bedrock monitoring well GW-561 (Plate 4) and shallow bedrock well GW-559 (Plate 6). The Area C (Landfill/OU6) 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 40 µg/l, extends to the west toward B/338 and into the bedrock south of deep soil monitoring well GW-921, where it ultimately is captured by bedrock production well PW-25. The Area C (Landfill/OU6) shallow bedrock VOC plume associated with well GW-559 is also ultimately captured by PW-25, as shown on Plate 6.

Area D (OU4) contains a small isolated soil groundwater plume (Plate 4) consisting of low levels (less than 5 µg/l) of PCE-series compounds near shallow pumping well GW-032B, which lies 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 present in Area D. Well GW-032B operated until August 1, 2015 when a NYSDEC-approved shutdown test began, as discussed in Section 4.2.5.

The B/322 AOC (OU7) 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 apparent 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 GW-767 (35 µg/l) and GW-793 (15 µg/l) from an apparent source near wells GW-735 (500 µg/l, Plate 4) and GW-627 (830 µg/l) at the northeast corner of B/322, and a westerly component extending from the same potential source area toward active extraction wells GW-612 and GW-617 of the B/322 remediation system. Concentrations of PCE-series parameters are less than one µg/l at the B/322 extraction wells. The Freon TF plume shown on Plate 5 has only a westerly component extending from wells GW-735 (25 µg/l) and GW-627 (59 µg/l) toward B/322 extraction wells GW-612 and GW-617, but is not detectable at the extraction wells. Wells GW-612 and GW-617 operated until August 1, 2015 when a NYSDEC-approved shutdown test began, as discussed in Section 4.2.3.

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

GW-990 (soil) along Lime Kiln Road, as shown on Plates 4 and 6. The highest PCE-series concentration in SEQ soil wells (an average of 1.4 µg/l) during January through May 2015 was detected at well GW-990. Bedrock production well PW-23, which actively remediated the SEQ plume until NYSDEC-approved shutdown testing began in early August, had an average PCE-series concentration of 0.2 µg/l over the same time period. Concentrations in all SEQ wells 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 (OU3), SEQ (OU9), B/330 (OU8) and Area C (Landfill/OU6) 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, as shown on Plate 6. This Area A bedrock plume consists primarily of PCE-series compounds and has at least three significant apparent source areas:

1. *In the shallow soil near the northwest corner of B/309 (the "B/309 sink").* This apparent source is highlighted by a PCE-series concentration of 920 µg/l at bedrock well GW-716 (Plate 6) on the north side of B/310.
2. *In the soils at the northern edge of B/308 (the "B/308 sink").* As discussed in Section 2.2.1.1, groundwater impacted by VOCs in the overlying sand and gravel unit flows beyond the edge of the silt/clay at the northeast and northwest corners of B/308 and passes through relatively permeable soils and into the bedrock (Plate 2a). This impacted groundwater is ultimately captured by production well PW-2.
3. *In the deep bedrock as indicated by historically high PCE-series concentrations at well GW-118 (170,000 µg/l in the second quarter of 2015).* 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 69 µg/l (well GW-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 GW-118 (1,200 µg/l). This plume is also captured by PW-2. Freon TF is present at low levels to the west (less than 10 µg/l in wells GW-737, GW-739, GW-742, and PW-1. The source of the low concentrations of PCE-series compounds and Freon TF at wells GW-739 and GW-742 (Plates 6 and 7) appears to be the shallow B/322 source area; this impacted groundwater 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 (OU8) plumes are captured primarily by production well PW-25 and to a lesser extent by PW-4.

A small apparent source area situated at bedrock well pair GW-959/GW-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 in 2015 was found at well 941 (340 µg/l).

3.2.1.2 Chemistry Graphs

In addition to reviewing the 2015 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 listed on Table A-3 in Appendix A. These X-Y graphs are shown on Figures 3-1 through 3-25 and were prepared using all of the data available from 1990 through the fourth quarter of 2015. 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*[15], 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 µg/l). Statistically significant trends, where they occur, are defined at a significance level of $\alpha = 0.10$ or less, which corresponds to a confidence limit of 90% or higher.

[15] Intelligent 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 2006 to 2015:

1. PCE-series and Freon TF concentrations are decreasing at Area A well GW-016 (soil). PCE-series concentrations are decreasing at Area A downgradient wells GW-104 and GW-105.
2. PCE-series and Freon TF concentrations have increased at Area A production well PW-2 and Area A source well GW-716 (bedrock).
3. PCE-series concentrations at B/322 extraction well GW-612, Area D extraction well GW-032B, and Area B extraction well GW-628 exhibit a statistically significant decreasing trends.
4. PCE-series concentrations at production well PW-1 exhibit a statistically significant decreasing trend.
5. Freon TF concentrations at production wells PW-1 and PW-25 exhibit statistically significant increasing trends.
6. Freon TF concentrations at Area C/Bedrock well GW-943 exhibit a statistically significant increasing trend.

Table 3-2. Statistical Trends in Contaminant Reduction Monitoring Wells 2006-2015

Well	Figure Number	Location	Parameter	Trend	Confidence Limit	Test Type
010	3-1	Area A	PCE-Series Freon TF	No trend No trend	-- --	MK
016	3-2	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	MK
032B [1]	3-3	Area D	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
103	3-4	Area A	PCE-Series Freon TF	No trend No trend	-- --	MK
104	3-5	Area A	PCE-Series Freon TF	Decreasing No trend	>95% --	MK
105	3-6	Area A (bedrock)	PCE-Series Freon TF	Decreasing No trend	>95% --	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	3-13	Area B	PCE-Series Freon TF	Decreasing No trend	>95% --	SK
714	3-11	Area A	PCE-Series Freon TF	No trend No trend	-- --	MK
716	3-12	Area A (bedrock)	PCE-Series Freon TF	Increasing Increasing	>90% >95%	MK
943	3-14	Area C (Landfill) (bedrock)	PCE-Series Freon TF	No trend Increasing	-- >95%	MK
B/384 Sump [2]	3-19	Area A	PCE-Series Freon TF	No trend No trend	-- --	SK
PW-1	3-15	Bedrock	PCE-Series Freon TF	Decreasing Increasing	>95% >95%	SK
PW-2	3-16	Bedrock	PCE-Series Freon TF	Increasing Increasing	>95% >95%	SK
PW-4	3-17	Bedrock	PCE-Series Freon TF	Decreasing No Trend	>95% --	SK
PW-25	3-18	Bedrock	PCE-Series Freon TF	No trend No trend	-- --	SK

Test Type: SK = Seasonal Kendall test
MK = Mann-Kendall test for trend with deseasonalized data, where possible.
1 - Well 032B replaced well 032A in September 2012.
2 - Location designation 395
Note: 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. POC wells do not exhibit statistically significant trends in concentration.

Table 3-3. Evaluations of Statistical Trends in Point-of-Compliance Wells 2006-2015

Well	Figure No.	Location	Parameter	Trend	Confidence Limit
064	3-20	Area B	PCE-Series Freon TF	No trend No trend	-- --
065	3-21	Area B	PCE-Series Freon TF	No trend No trend	-- --
066	3-22	Area D	PCE-Series Freon TF	No trend No trend	-- --
067	3-23	Area D	PCE-Series Freon TF	No trend No trend	-- --
987	3-24	Southeast Quadrant	PCE-Series Freon TF	No trend No trend	-- --
990	3-25	Southeast Quadrant	PCE-Series Freon TF	No trend No trend	-- --

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 significance level of $\alpha = 0.10$ or less, which corresponds to 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 2006. For wells sampled semiannually, this means that the data for 2014-2015 was compared to the data for 2006-2013. For wells sampled quarterly or monthly, this means that the data for 2015 was compared to the data for 2006-2014. 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: 2006-2015

Key Compound: **PCE-Series**
Statistically Significant Change in Concentration: **Decrease**

Well	Location	Well	Location
016	Area A	755	B/322
032B	Area D	757	Area D
064	Area B	766	B/322
104	Area A	767	B/322
105	Bedrock	768	B/322
181	B/330	769	B/322
B/384 Sump	Area A (sample point 395)	772	B/322
559	Area C (Landfill, Bedrock)	793	B/322
576	B/330	921	B/330
B/384 Sump	Area A (sample point 395)	922	B/330 (Bedrock)
559	Area C (Landfill, Bedrock)	923	B/330 (Bedrock)
576	B/330	943	Area C (Landfill, Bedrock)
609	B/330 (Bedrock)	959	B/322 (Bedrock)
610	B/330 (Bedrock)	960	B/322 (Bedrock)
612	B/322	990	SEQ
623	B/330 (Bedrock)	999	Area A
624	B/330 (Bedrock)	PW-1	Bedrock
628	Area B	PW-2	Bedrock
640	B/330	PW-4	Bedrock
732	Area A (Bedrock)	PW-23	SEQ
735	B/322	PW-25	Bedrock
742	B/322 (Bedrock)		

Key Compound: **PCE-Series**
Statistically Significant Change in Concentration: **Increase**

Well	Location	Well	Location
015	Area A	720	Area A
046	Area B	734	Area A (Bedrock)
054	Area C	744	Area A
564	Bedrock	929	B/330 (Bedrock)
601	B/330 (Bedrock)	931	B/330 (Bedrock)
622	B/330 (Bedrock)	941	B/330 (Bedrock)
716	Bedrock	956	B/330

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: 2006-2015

Key Compound: **Freon TF**
Statistically Significant Change in Concentration: **Decrease**

Well	Location	Well	Location
010	Area A	735	B/322
576	B/330	922	B/330 (Bedrock)
609	B/330 (Bedrock)	PW-2	Bedrock
732	Area A (Bedrock)	PW-25	Bedrock

Key Compound: **Freon TF**
Statistically Significant Change in Concentration: **Increase**

Well	Location	Well	Location
622	B/330 (Bedrock)	941	B/330 (Bedrock)
737	B/322 (Bedrock)	PW-1	Bedrock

No other CAM wells exhibited statistically significant changes (neither increasing nor decreasing concentrations) in water quality for the key compounds.

3.2.2 Quality Assurance/Quality Control Results

All GMP samples were collected in 2015 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 2015 field QA/QC chemistry data consists of duplicate samples, trip blanks and equipment rinse blanks. The duplicate samples are presented with the groundwater and production well analytical data in Appendices D and E. The trip and equipment rinse blank results for all of 2015 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). 103 trip blanks were collected in 2015 as part of the Part 373 sampling program and supplemental sampling.

Acetone, a common laboratory contaminant, was detected in 21 trip blanks at concentrations ranging from 1.4 to 5.6 µg/l. No other VOCs were detected in trip blanks collected in 2015.

Equipment rinse blanks were collected to confirm the efficiency of decontamination procedures for each sampling round by rinsing non-dedicated equipment such as water level indicators with laboratory-supplied analyte-free DI water. 71 rinse blanks were collected in 2015 from water level indicators. These results are also presented in Appendix F. Acetone was detected in 11 rinse blanks at concentrations less than 5 µg/l.

Environmental data was qualified as appropriate based on trip and equipment blank results. 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 2015, 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. The CCS also treats water from PW-5/5A, -6, -7, and -9, which are pumped only during water supply emergencies. PW-5/5A and PW-7 were pumped briefly in March, and PW-6 and PW-9 were not pumped in 2015. The Areas A, B, D, and B/322 treatment systems operate in shallow remediation areas. As discussed in Section 1, NYSDEC agreed to shutdown testing in Area B, Area D, B/322 and the SEQ. Operations in these areas prior to shutdown in August 2015 are discussed in the following sections. 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 2015, 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 VOC plumes. Contaminated groundwater from deep bedrock production wells PW-1, -4, and -25, 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. In 2015, all water treated by the B/316 GAC systems was used as process water. CCS-treated water may be also 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. 2015 Pumping Volumes

Remediation Area or Well	Gallons Pumped	Average 2015 Flow Rate (GPM)
PW-1	67,022,002	128
PW-2	55,481,965	106
PW-4	34,885,003	66
PW-5/5A	175,308	0.3
PW-7	64,325	0.1
PW-25	92,592,598	176
Area A	290,588	0.6
Area B	2,851,340	9.3#
Area D	1,177,630	3.8#
B/322 (612, 613, 617, 618*)	2,245,158	7.3#
Southeast Quadrant (PW-23)	3,955,077	11.1#
Total	***260,740,994***	***496#***

Pumping volumes are not shown for PW-9, which was not pumped.
*Pump operated for purging and sampling only.
#Average flow rate prior to start of shutdown testing in August 2015. Average flow rate of 496 gpm was calculated using total gallons pumped for all extraction locations from January 1, 2015 to December 51, 2015.

4.1.2 Contaminant Removal

Contaminant mass removal was calculated for 2015 using monthly concentration data, together with monthly pumping volumes for each shallow remediation area and bedrock production well. Table 4-2 shows that approximately 50 pounds of VOCs were recovered during 2015 from 10.5 million gallons of extracted groundwater in shallow remediation Areas A, B, and D, plus B/322 (wells 612 and 617), and Southeast Quadrant shallow bedrock production well PW-23. Virtually all of the VOC mass recovered in 2015 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. 2015 Contaminant Recovery Levels Shallow Remediation Areas (lbs)					
Area (Well)	**CIS**	**Freon TF**	**PCE**	**TCE**	**Total by Area**
Area A	0.22	0.048	48	1.3	*50*
Area B	0.0	0.0	0.013	0.0	*0.013*
Area D	0.0048	0.0	0.0054	0.014	*0.024*
B/322 (612, 613, 617, 618)	0.00012	0.0	0.0030	0.0017	*0.0048*
SEQ (PW-23)	0.0	0.0	0.011	0.0	*0.011*
Total by Compound	*0.22*	*0.048*	*48*	*1.3*	*50**

*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. In the B/322 AOC, only wells 612 and 617 were pumped continuously prior to August 2015.

Table 4-3 shows the contaminant recovery levels for the deep bedrock production well system. Approximately 3.5 tons of VOCs were recovered during 2015 from approximately 250 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 (94 percent) came from production well PW-2. A significant fraction of the VOC mass (5 percent) was removed by production well PW-25.

Table 4-3. 2015 Contaminant Recovery Levels Deep Bedrock Production Wells (lbs)					
Well	**CIS**	**Freon TF**	**PCE**	**TCE**	**Total by Well**
PW-1	0.98	1.7	12	4.7	*19*
PW-2	560	78	5,200	480	*6,300*
PW-4	1.7	1.0	32	11	*46*
PW-25	38	14	480	110	*640*
Total by Compound	*600*	*95*	*5,700*	*610*	*7,000**

*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 2015 relating to the efficiency of the groundwater recovery and treatment systems for Area A (OU5), Area B (OU3), the Deep Bedrock production wells and PW-23 (SEQ AOC/OU9), and for groundwater recovery from Area D (OU4) and the B/322 AOC (OU7). Treatment efficiency and maintenance issues are discussed below.

4.1.3.1 Area A (OU5)

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 ranged from 9,200 to 23,000 µg/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 2015. The average flow rate through the Area A treatment system was 0.6 gpm.

4.1.3.2 Area B (OU3)

Treatment efficiency for Area B is calculated from monthly samples collected from the influent (well GW-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 show that low levels of PCE (0.3 to 0.7 µg/l were present in the influent, between, and effluent samples. The carbon was changed on 7/2/2015. The average flow rate through the Area B treatment system prior to the start of shutdown testing in August 2015 was 9.3 gpm.

4.1.3.3 Area D (OU4)

Effluent from well GW-032B was pumped to the site's Water Pollution Control Facility (WPCF). The average flow rate in 2015 from well GW-032B was approximately 3.8 gpm prior to the start of the shutdown test in August 2015. Groundwater concentrations at the sampling port of groundwater extraction well GW-032B ranged from 1.2 to 1.8 µg/l for TCE, and were less than 1.0 µg/l for PCE and CIS. Influent chemistry data for Area D is presented in Appendix G.

4.1.3.4 B/322 AOC (OU7)

The B/322 remediation system started up in January 2000 and pumped from extraction wells GW-612, GW-613, GW-617 and GW-618 to a small pump house whereby the extracted water was discharged to the WPCF. Well GW-613 is a backup well that was not pumped for a significant period in 2015. As discussed in Section 4.2.2, well GW-618 was operated only for sampling purposes in 2015. As discussed in Section 4.2.3, shutdown testing of wells GW-612 and GW-617 began on August 1, 2015.

The monthly analytical data for extraction wells GW-612, GW-617, and the combined discharge from the B/322 remediation system (sample location 360) are presented in Appendix G. Sampling data for well GW-618 is presented in Appendix G. The total VOC concentration in the combined discharge ranged from "not detected" to 0.3 µg/l from January through July 2015. The average combined flow rate for the B/322 extraction system was 7.3 gpm in prior to the start of shutdown testing in August 2015.

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

Treatment efficiency for the Central Carbon System (CCS), which handles the discharge from production wells PW-1, -4, -5/5A, -6, -7, -9, -23 and -25, is determined from monthly samples collected from the blended influent to the CCS (location 500), from between the lead and lag carbon beds for GAC trains 1, 2, and 3 (locations 511-513), and from the blended effluent from the CCS (location 555). In 2015, the average flow rate for the CCS influent was approximately 380 gpm, and total VOC concentrations ranged from 29 to 62 µg/l. Data for these sampling points is presented in Appendix G.

Treatment efficiency for the production well PW-2 treatment system is determined from sampling of PW-2, from sampling between the lead and lag carbon beds of the PW-2 GAC train (sample point 221), and from the sampling the effluent of the PW-2 GAC train (sample point 080). The 2015 average flow rate for PW-2 was approximately 110 gpm, and total VOC concentrations ranged from 12,000 µg/l to 21,000 µg/l. Data for production well PW-2 is presented in Appendix E. Data for sampling points 221 and 080 is presented in Appendix G.

Results for the sampling points in the CCS indicate removal efficiency, based on the ratio of influent (location 500) to effluent (location 555) concentrations, is typically greater than 90 percent for the CCS. Treatment efficiency of the PW-2 train prior to discharging to the process water system was greater than 99 percent. All treated water from the CCS and from the PW-2 train was used for process purposes in 2015.

4.1.4 Groundwater Treatment System and Production Well Maintenance

The following groundwater treatment system and production well maintenance activities were performed in 2015:

1. The pump in PW-25 was replaced in May.
2. The pump and level sensor for extraction well 612 were replaced in March.
3. The pump, motor, and level sensor for extraction well 617 were replaced in March.
4. The PW-1 level sensor was replaced in August.

4.2 Other Activities and Issues

This section addresses activities undertaken in 2015 that relate to the groundwater monitoring program at IBMEF. Activities planned for 2016 are also discussed.

4.2.1 Groundwater Well Installation and Maintenance Activities Performed in 2015

A well inventory was performed in the second quarter of 2015. 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.

4.2.2 GW-618 Termination Petition

Extraction at B/322 well GW-618 began in January 2000 with the goal of remediating a localized plume of dichlorodifluoromethane. Samples collected at the extraction well and nearby wells showed that the NYSGQS had not been exceeded in more than eight years. The GW-618 well pump fouls frequently, and was replaced almost monthly in 2013. Because all wells in the area met the NYSGQS and continued operation of well GW-618 was relatively costly, IBM submitted a work plan to NYSDEC entitled *Termination Petition, Extraction Well GW-618, B/322 Remediation Area*[16]. The shutdown proposal was approved by NYSDEC on January 15, 2014[17]. On January 20, 2014 the termination plan commenced with the shutdown of well GW-618. As per the approved shutdown proposal, wells GW-068 and GW-618 were sampled quarterly in 2015. Well GW-068 results are presented in Appendix D, and well GW-618 sampling results are presented in

[16] IBM Environmental Engineering to NYSDEC, December 16, 2013, *Termination Petition, Extraction Well 618, B/322 Remediation Area*.

[17] NYSDEC to IBM Environmental Engineering, January 15, 2014, *Response to Termination Petition, Extraction Well 618, B/322 Remediation Area.*

Appendix G. Dichlorodifluoromethane (Freon 12) was the only parameter detected at either location in 2015. The highest concentration (1.4 µg/l) was detected in an April sample from well GW-068. IBM plans to continue with quarterly sampling of wells GW-068 and GW-618 in 2016. NYSDEC will be informed promptly if sampling results indicate reactivation of well GW-618 is necessary.

4.2.3 Wells GW-612, GW-613, and GW-617 Shutdown Test Request, B/322 AOC

On June 18, 2015 IBM submitted a request to perform shutdown testing at B/322 AOC groundwater extraction wells GW-612, GW-613 (inactive/backup), and GW-617[18]. Groundwater extraction operations began at GW-612 and GW-617 in 2000 for the purpose of containing the leading edge of the B/322 shallow groundwater plume. Groundwater quality in the extraction wells and nearby well GW-773 currently meets the 6NYCRR Part 703 Groundwater Quality Standard (NYSGQS). Consequently, IBM proposed termination of the B/322 extraction system with two years of quarterly groundwater elevation monitoring and VOC sampling at the following locations:

- Groundwater extraction wells GW-612 and GW-617;
- Plume area groundwater monitoring wells GW-740, GW-766, GW-767, GW-768, GW-769, GW-771, GW-772, GW-773, and GW-793; and
- Former waste solvent tank farm area wells GW-627 and GW-735.

On July 15, 2015 NYSDEC approved the request[19], and pumping was terminated at extraction wells GW-612 and GW-617 on August 1, 2015. The first post-termination quarterly elevation and sampling round was performed in October 2015. Groundwater elevation data is presented in Appendix B, and Plate 2c shows groundwater elevations for the soil water table during the fourth quarter of 2015. In the absence of pumping, groundwater flows generally westward toward Gildersleeve Brook. Sampling results for groundwater monitoring wells are presented in Appendix D and extraction well data is presented in Appendix G. Well GW-627 could not be sampled until late December because the well was dry in October and November. Well GW-740 remained dry throughout the fourth quarter, and could not be sampled. The fourth quarter sample and a duplicate of well GW-773 both had 0.1 ug/l CIS and 0.3 µg/l of TCE. Well GW-612 had 0.2 µg/l of TCE;

[18] Groundwater Sciences Corporation, June 18, 2015, *Shutdown Test Request, Extraction Wells 612, 613, and 617, B/322 Area of Concern (Operable Unit 7).*

[19] NYSDEC to IBM Corporate Environmental Affairs July 15, 2015, *Shutdown Test Request – Extraction Wells 612, 613, and 617, B/322 Area of Concern (OU-7).*

0.2 µg/l of PCE and 0.1 µg/l of TCE were detected in GW-617. All of these detections were estimated values between the Reporting Limit (RL), and the Method Detection Limit (MDL). VOC results from post-shutdown sampling of GW-612, GW-617, and GW-773 were similar to sampling results from pre-shutdown testing performed in 2015. Fourth quarter sampling results from the remaining wells were consistent with sampling results from the first three quarters of 2015 and with recent historical results.

In the July 15, 2015 approval letter, NYSDEC requested an evaluation of remedial alternatives in the B/322 AOC source area (wells GW-627 and GW-635). On September 18, 2015 IBM informed NYSDEC that IBM would conduct an evaluation and review of potential remedial technologies to address the remaining VOC presence northeast of B/322. This evaluation continues into 2016.

4.2.4 Well GW-628 Shutdown Test Request, Area B

On June 18, 2015 IBM submitted a request to perform shutdown testing at Area B groundwater extraction well GW-628[20]. Remediation of a plume in the shallow bedrock and soil unit associated with a former fire training area began in 1982. Groundwater quality in source area wells GW-628 and GW-046 and in downgradient wells GW-064 and GW-065 meets the NYSGQS. IBM proposed termination of GW-628 pumping with two years of quarterly groundwater elevation monitoring and VOC sampling at GW-046, GW-064, GW-065, and GW-628.

On July 9, 2015 NYSDEC approved the shutdown request[21], and pumping was terminated at GW-628 on August 1, 2015. The first post-termination quarterly elevation and sampling round was performed in October 2015. Groundwater elevation data is presented in Appendix B, and Plate 2c shows groundwater elevations for the soil water table during the fourth quarter. In the absence of pumping, groundwater flow in the soil unit and shallow bedrock is generally from GW-628 to the north and northeast toward GW-064 and GW-065. Sampling results for groundwater monitoring wells are presented in Appendix D, and extraction well GW-628 data is presented in Appendix G. Fourth quarter 2015 sampling results for GW-046 show 2.2 µg/l of PCE and 0.1 µg/l of TCE, similar to recent sampling results. PCE (0.8 µg/l) was the only PCE-series parameter detected in GW-628 in October. Less the 1.0 µg/l of PCE and TCE were detected at POC wells GW-064 and

[20] Groundwater Sciences Corporation, June 18, 2015, *Shutdown Test Request, Extraction Well 628, Area B Remediation Area (Operable Unit 3).*

[21] NYSDEC to IBM Corporate Environmental Affairs, July 9, 2015, *Shutdown Test Request – Extraction Well 628, Area B Remediation Area (OU-3*).

GW-065 during post-termination sampling. These results are consistent with data collected in the first three quarters prior to the start of the shutdown test.

4.2.5 Well GW-032B Shutdown Test Request, Area D

On June 18, 2015 IBM submitted a request to perform shutdown testing at Area D groundwater extraction well GW-032B[22]. Remediation of the plume in the soil unit associated with a former fire training area began in 1982. Groundwater quality in GW-032B and nearby monitoring well GW-757 currently meets the NYSGQS. Consequently, IBM proposed termination of GW-032B pumping with two years of quarterly groundwater elevation monitoring and VOC sampling at GW-032B, downgradient POC well GW-066, and GW-757.

On July 9, 2015 NYSDEC approved the shutdown request[23], and pumping was terminated at GW-032B on August 1, 2015. The first post-termination quarterly elevation and sampling round was performed in October 2015. Groundwater elevation data is presented in Appendix B, and Plate 2c shows groundwater elevations for the soil water table during the fourth quarter. In the absence of pumping, groundwater flow in the soil unit near GW-032B is generally to the west toward Gildersleeve Brook. TCE (3.3 µg/l), PCE (1 µg/l), and CIS (1 µg/l) were detected in fourth quarter sampling of GW-032B. Slightly lower concentrations of the same parameters were present in nearby monitoring well GW-757 during the same sampling event. Fourth quarter sampling results from GW-032B and GW-757 were slightly higher than results from previous quarters, but less than the NYSGQS and consistent with recent historical results. VOCs were not detected in samples from any 2015 sampling event at well GW-066.

4.2.6 Well PW-23 Shutdown Test Request, SEQ

On June 18, 2015 IBM submitted a request to perform shutdown testing at SEQ groundwater extraction well PW-23[24]. PW-23 began operation in 2002 to actively remediate a small plume in the shallow bedrock and soil unit. Groundwater quality in the SEQ currently meets NYSGQS.

[22] Groundwater Sciences Corporation, June 18, 2015, *Shutdown Test Request, Extraction Well032B, Area D Remediation Area (Operable Unit 4).*

[23] NYSDEC to IBM Corporate Environmental Affairs, July 9, 2015, *Shutdown Test Request – Extraction Well 032B, Area D Remediation Area (OU-4).*

[24] Groundwater Sciences Corporation, June 18, 2015, *Shutdown Test Request, Production Well PW-23, Southeast Quadrant Area of Concern (Operable Unit 9).*

Consequently, IBM proposed termination of PW-23 extraction with two years of quarterly groundwater elevation monitoring and VOC sampling for the following locations:

- Bedrock production well PW-23;
- Soil monitoring wells GW-048, GW-520, GW-543, GW545, and GW-990; and
- Bedrock monitoring wells GW-521, GW-857, GW-858, and GW-987.

On July 9, 2015 NYSDEC approved the shutdown request, and pumping was terminated at PW-23 on August 10, 2015. The first post-termination quarterly elevation and sampling round was performed in October 2015. Groundwater elevation data is presented in Appendix B, and Plate 2c shows groundwater elevations for the soil water table during the fourth quarter. In the absence of pumping, groundwater flow in the soil and shallow bedrock is generally to the north and northeast from PW-23 toward Lime Kiln road near wells GW-987 and GW-990. Historically, the highest PCE-series concentrations in the SEQ have been at GW-048 and PW-23 (formerly GW-552). PCE, TCE, and CIS were detected in fourth quarter sampling of GW-048 at concentrations of 0.2 µg/l or less. PCE (0.2 µg/l) was the only VOC detected at PW-23 in October. PCE was detected in downgradient wells 543 (0.2 µg/l) and 545 (0.1 ug/l). All of these low level detections were estimated values between the MDL and the RL. VOCs were not detected in shallow bedrock POC well GW-987 during fourth quarter sampling. PCE (1.3 µg/l), TCE (0.3 µg/l), and CIS (0.1 µg/l) were detected in the October sample from soil monitoring well GW-990. VOCs were not detected in the remainder of the shutdown test wells sampled in the fourth quarter. Sampling results from post termination sampling in the SEQ are similar to 2015 data collected prior to shutdown of PW-23.

4.2.7 Production Well Optimization Testing

On July 24, 2015 IBM requested permission to conduct a production well optimization test of active bedrock production wells PW-1, PW-2, PW-4, and PW-25 located within the Bedrock Remediation Area of Concern[25]. Results of the test are to be used to develop targets for production well withdrawals with the goal of optimizing hydraulic containment of VOC plumes in bedrock. Target withdrawal rates for the test were 50 to 75 gpm at PW-1, 120 gpm at PW-2, and 220 gpm at PW-25. PW-4 was to remain off for the duration of the test, with the exception of a one hour weekly test to

[25] Groundwater Sciences Corporation, July 23, 2015, *Bedrock Production Well Optimization Testing, Bedrock Remediation Area (Operable Unit #2).*

verify the well's operating condition as a backup to PW-2. On July 30, 2015 NYSDEC granted permission to conduct the test[26].

Groundwater elevation monitoring for the shutdown test involved installation and download of data as well as manual elevations. The test ran from August 17, 2015 to December 1, 2015. A routine round of quarterly elevations, tabulated in Appendix B, and bedrock potentiometric surface contours are shown on Plate 3c. With the shutdown of PW-4, a groundwater flow divide now separates the PW-25 and the PW-2 capture zones. The PW-2 capture zone has expanded to the south, and the PW-25 capture zone has expanded to the north, encompassing the former PW-4 capture zone. Plate 3c shows that the strong inward gradients and continued contaminant capture observed on Plates 3, 3a, and 3b remains intact. More detailed discussions of these conditions will be provided under separate cover.

4.2.8 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, with the final work plan approved in July 2009[27] by the Agencies. The work plan focuses on thirteen buildings, six of which do not require further assessment[28]. Subslab vapor extraction systems installed in B/330D and B/310 continued to operate as designed in 2015. A subslab vapor extraction and depressurization system (SSDS) was installed in the linkway between B/308 and B/310. The linkway SSDS was constructed in September and October 2015 and placed online in October. The Vapor Intrusion Assessment Annual Report is presented in Appendix H.

4.2.9 Area A AOC (OU5)

In October 2014, IBM informed NYSDEC of a plan to conduct soil vapor extraction (SVE) testing near the B/308 and B/310 link way in the Area A AOC[29]. As discussed in the letter, the intent of

[26] NYSDEC to IBM Corporate Environmental Affairs, July 30, 2015, *Bedrock Production Well Optimization Testing, Bedrock Remediation Area (Operable Unit No. 2).*

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

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

[29] IBM Environmental Engineering to NYSDEC, October 15, 2014, *Planned Supplemental Testing – Area of Concern A.*

the extraction system is to increase contaminant mass removal from a portion of the historical source area. NYSDEC acknowledged the notification without comment, with the understanding that IBM will provide updates on progress and discuss the results of testing[30]. Two vapor extraction wells and eight multi-level vapor monitoring points were installed in the fourth quarter of 2014. System installation, including an SVE blower and activated carbon units housed inside a shipping container, was completed in 2015. The system started in May and ran through November 2015. IBM reactivated the SVE system in the spring of 2016. In addition, IBM plans to conduct pump testing of well 634, located south of B/384.

4.2.10 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 is no longer in use but is 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 (less than 200 μg/l) continued to be detected in the B/330D IW lift station after this work was completed.

IBM submitted a letter to NYSDEC[31] summarizing B/330D IW line and sanitary line sampling completed through the end of 2013. PCE concentrations in both locations have declined to nearly non-detectable levels since the startup of the B/330D Soil Vapor Extraction System. The sanitary line and the IW line will be sampled quarterly, and NYSDEC will be notified if thresholds are

[30] NYSDEC to IBM Environmental Engineering, October 29, 2014, RE: *Planned Supplemental Testing – Area of Concern A.*

[31] IBM Environmental Engineering to NYSDEC, February 12, 2014, *Status Update - Notification of Groundwater Contamination from SWMU/AOC - B330D IW and Sanitary Line Tetrachloroethylene.*

exceeded as defined in the letter report. Sampling of both locations in 2015 did not exceed the threshold as described in the February 12, 2014 status update.

4.2.11 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, the Site conducts flushing of the water supply lines, discharging water with NYSDEC approval to the site storm drains after the water has been dechlorinated. Chloroform, a trihalomethane common in water treated for potable use, has been detected in several groundwater monitoring wells near the discharge sites, most notably near Area B extraction well GW-628, near the site of the potable water influent storage tanks. On November 20, 2013 IBM informed NYSDEC that they would be discharging approximately 0.2 gpm of municipal water from a continuous sampling system to the ground adjacent to B/350[32]. These discharges are allowed under 6 NYCRR Part 750-1.2(a)(27)(vi) and the site's SPDES permit. None of the chloroform detections in 2015 appears to be related to this discharge. Table 4-4 shows chloroform detections greater than 1 µg/l observed in groundwater monitoring wells and the Area B extraction well in 2015. 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 for the presence of chloroform in groundwater in 2016.

[32] IBM Environmental Engineering to NYSDEC, November 20, 2013, *Discharge of Municipal Water to Ground Surface*.

Table 4-4. Chloroform Detections in Site Groundwater				
Well	**Sample Description**	**Sample Date**	**Laboratory Sample I.D.**	**Chloroform (ug/l)**
007	Groundwater	2/17/2015	R1501217-003	1.70
007	Replicate	2/17/2015	R1501217-004	1.60
010	Groundwater	2/18/2015	R1501221-004	1.50
010	Groundwater	10/8/2015	8084701	1.40
010	Replicate	10/8/2015	8084702	1.30
015	Groundwater	5/1/2015	7872555	6.50
015	Groundwater	10/16/2015	8094240	5.10
046	Groundwater	4/23/2015	7861183	5.20
046	Groundwater	7/16/2015	7971629	4.10
046	Groundwater	10/15/2015	8092463	1.30
064	Groundwater	7/16/2015	7971607	1.00
103	Groundwater	4/23/2015	7861186	1.50
103	Groundwater	10/13/2015	8087953	3.00
571	Groundwater	1/15/2015	R1500387-005	5.70
571	Groundwater	4/29/2015	7868971	1.30
571	Groundwater	7/16/2015	7971635	3.50
571	Replicate	1/15/2015	R1500387-006	5.50
628	Groundwater	1/5/2015	R1500051-008	6.80
628	Groundwater	2/4/2015	R1500858-006	6.30
628	Groundwater	3/3/2015	R1501587-007	11.00
628	Groundwater	4/16/2015	7854002	1.30
628	Groundwater	6/1/2015	7911144	3.60
628	Groundwater	7/1/2015	7953845	5.60
628	Replicate	1/5/2015	R1500051-011	7.00
640	Groundwater	1/15/2015	R1500387-004	1.70
640	Groundwater	4/21/2015	7857418	4.90
640	Groundwater	7/27/2015	7982367	2.90
714	Groundwater	2/18/2015	R1501221-005	2.50
720	Groundwater	10/13/2015	8088003	1.00
732	Groundwater	4/27/2015	7866694	3.50
732	Groundwater	10/12/2015	8087994	3.10
779	Groundwater	4/22/2015	7861139	3.00
779	Groundwater	10/15/2015	8092481	3.20
832	Groundwater	1/13/2015	R1500311-005	4.40
832	Groundwater	7/17/2015	7971644	2.30

4.2.12 Well Installation and Maintenance Activities Planned for 2016

IBM plans to continue its annual inventory of monitoring wells, repairing wells as necessary. Shutdown testing will continue in Area B, Area D, the B/322 AOC, and the SEQ in accordance with the approved plans.

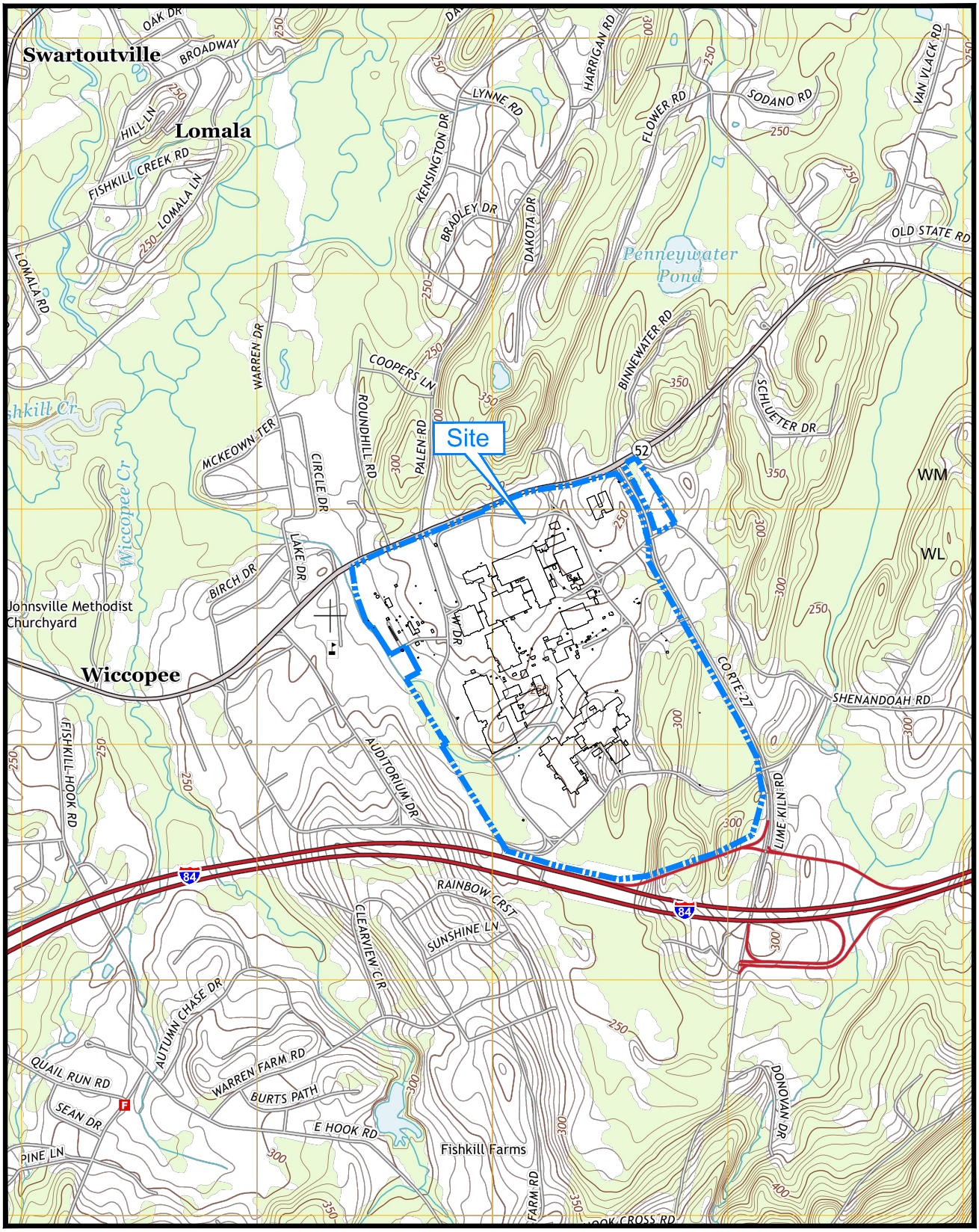
4.3 Evaluation of Progress

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, and -25 pumped nearly continuously throughout 2015. PW-4 was off-line for part of the third quarter and most of the fourth quarter as discussed previously, but otherwise was pumped nearly continuously prior to August 2015. 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 impedes the migration of groundwater exceeding the NYSGQS beyond the boundaries of the site.

Treatment of groundwater by the Area A, and Central Carbon/PW-2 treatment systems continued throughout the year. GAC-treated groundwater from the B/316 carbon systems was used as process water. Extraction in Area B, Area D, B/322, and the SEQ continued until August 2015, when NYSDEC-approved shutdown testing began. In 2015, approximately 7,100 pounds of VOCs were removed from approximately 261 million gallons of groundwater pumped from the shallow soil and deep bedrock remediation areas. Since 1979, approximately 169 tons of VOCs have been removed from approximately 13.3 billion gallons of extracted groundwater.

Groundwater sampling activities will continue in 2016 at 148 monitoring wells and sampling points listed in the Groundwater Monitoring Plan and groundwater elevations will be measured quarterly at 381 HEM wells.



Portion of the Hopewell Junction, NY
7.5-minute USGS Quadrangle
(The National Map US Topo, 2013)
Latitude/Longitude: 41°32'27"N, 73°49'28"W (41.540714, -73.824185)

Scale
0 1000' 2000'

Figure 1-1

Former IBM East Fishkill Facility

Site Location Map

GROUNDWATER SCIENCES CORPORATION

95007-044-E6 / 01-21-16

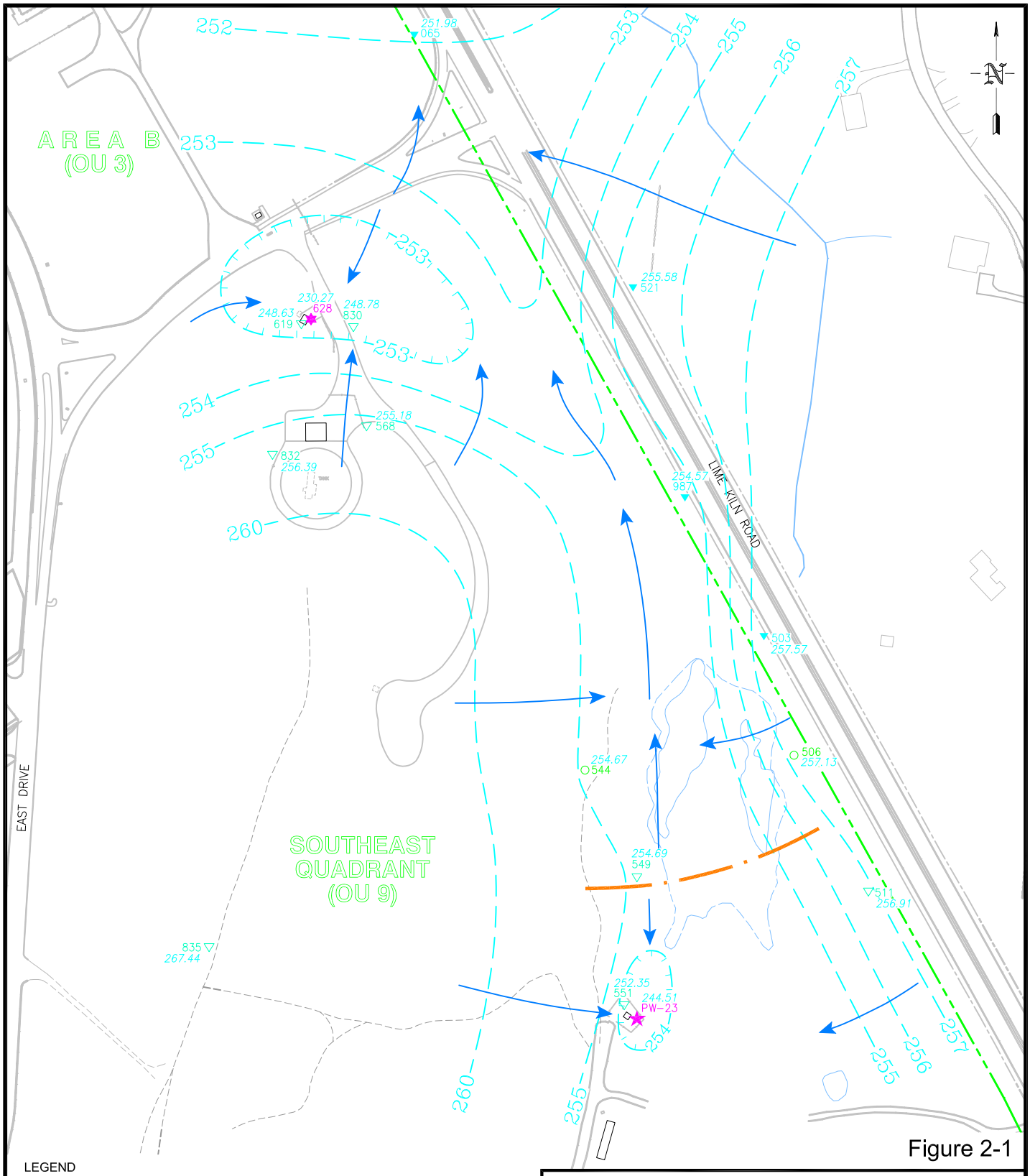


Figure 2-1

LEGEND

- 260 - Contour of Constant Potentiometric Head (feet amsl)
- 267.77 - Groundwater Elevation (feet amsl)
- Generalized Direction of Groundwater Flow
- Former IBM East Fishkill Facility Property Line
- Groundwater Divide
- GMP Bedrock Monitoring Well (for groundwater sampling and elevations)
- GMP Bedrock Monitoring Well (for groundwater elevations only)
- GMP Soil/Bedrock Monitoring Well (for groundwater elevations only)
- Bedrock Extraction Well
- Shallow Extraction Well (all in soil except well 628 in bedrock)
- OU - Operable Unit

Scale
0 100' 200'

Former IBM East Fishkill Facility

Shallow Bedrock Potentiometric Contours
July 20, 2015

DRAWN BY: MHM	DATE: 4/29/16	DRAWING NO. 95007-025-O1
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

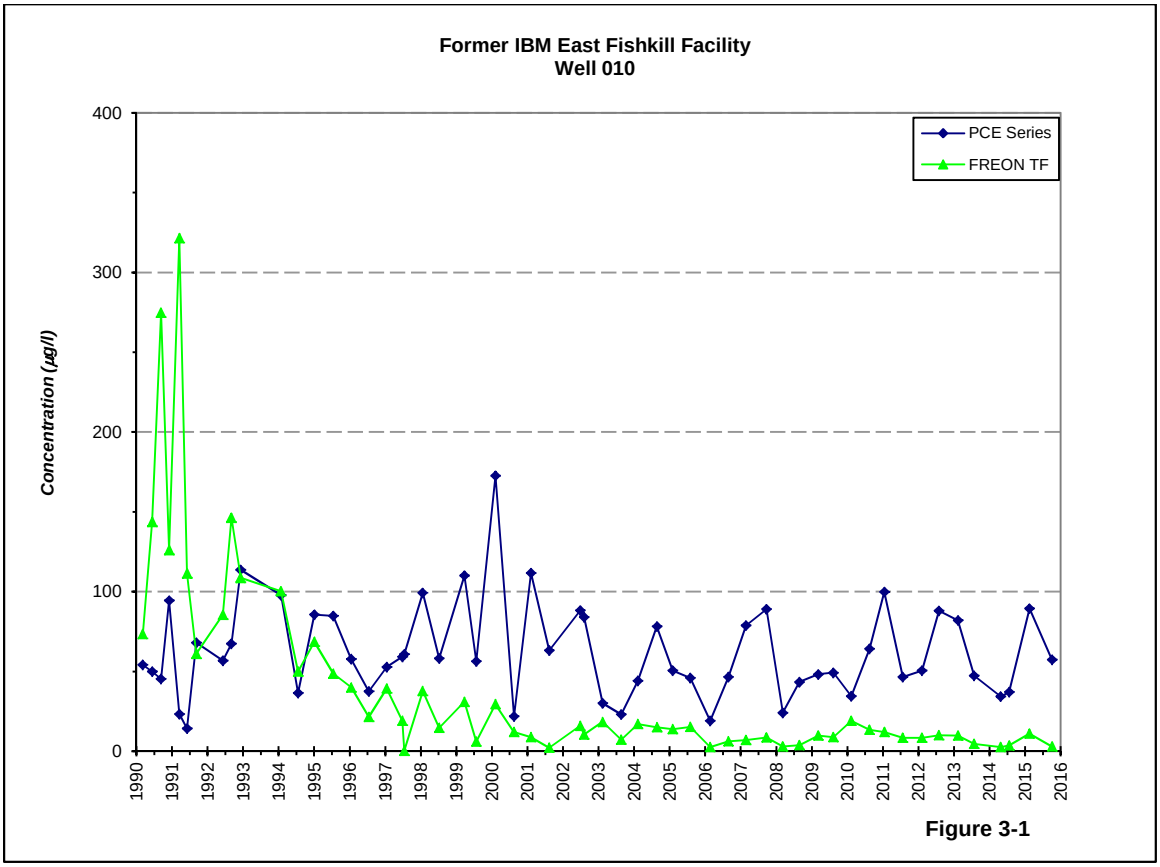


Figure 3-1

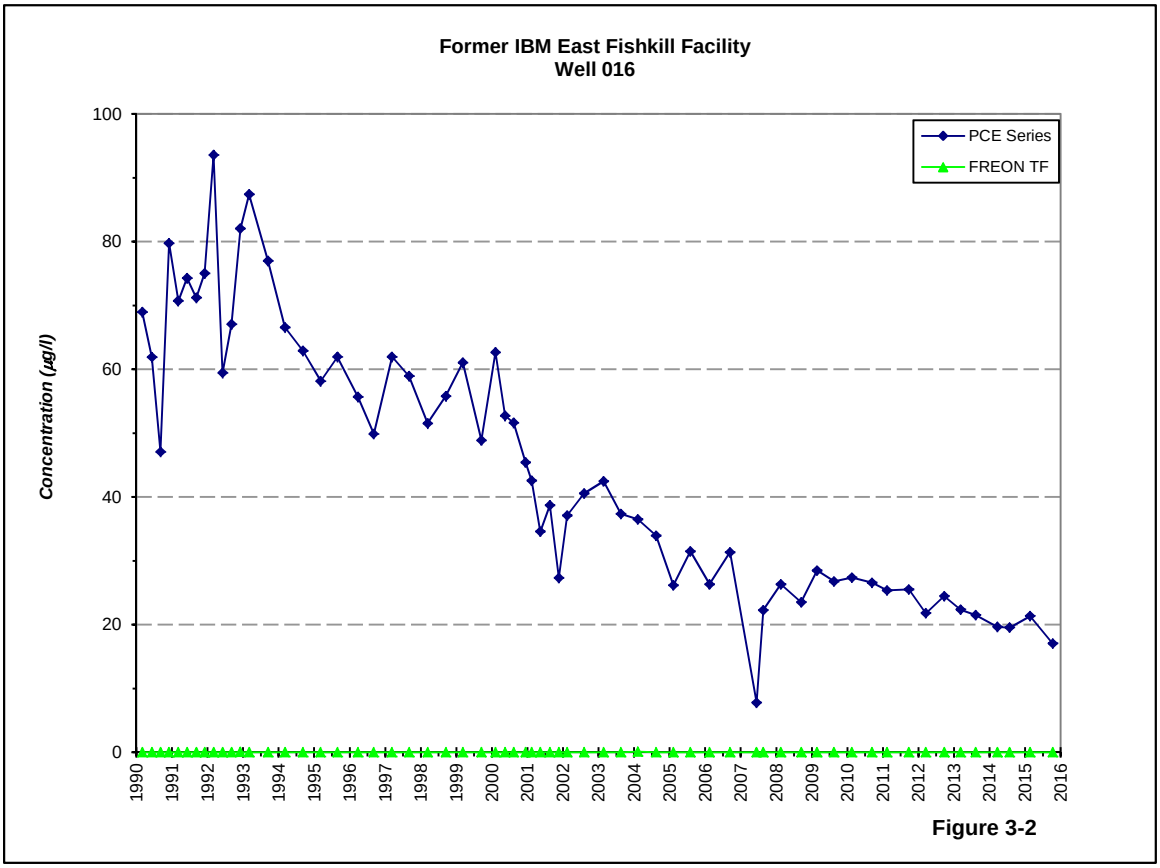


Figure 3-2

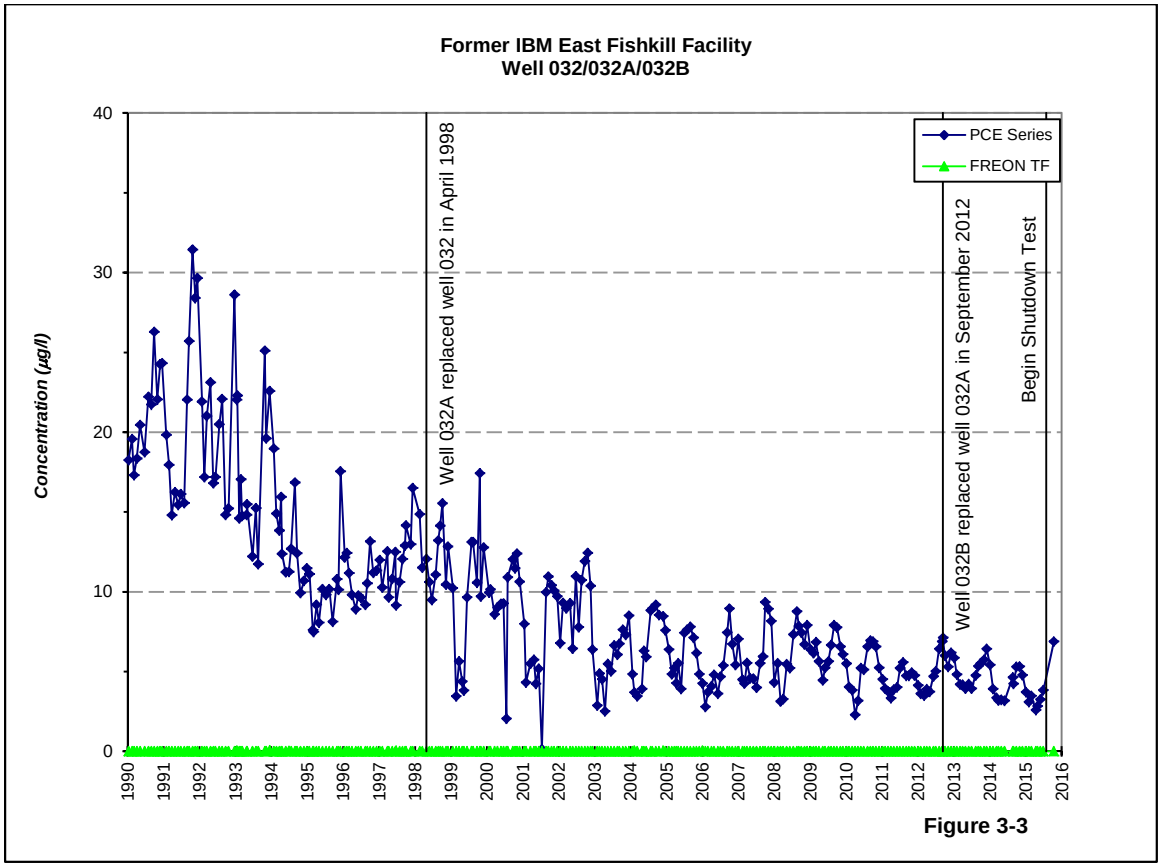


Figure 3-3

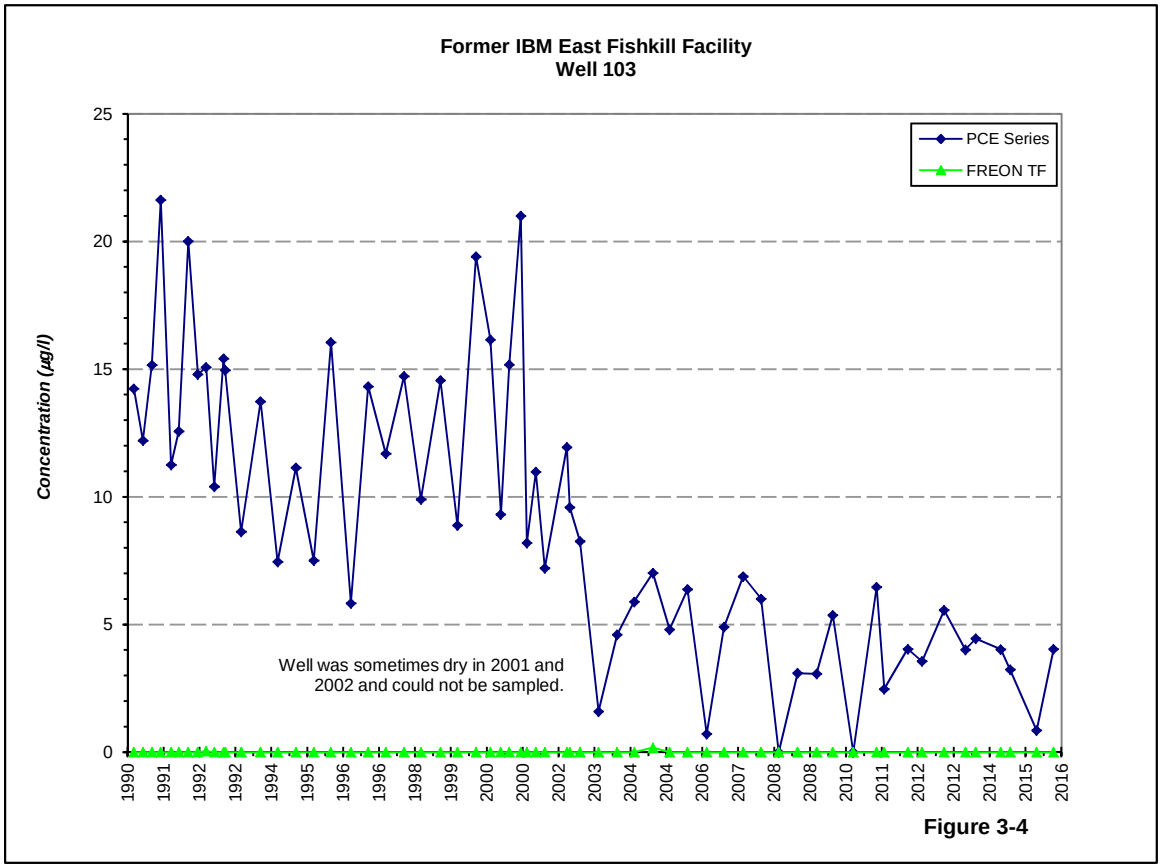


Figure 3-4

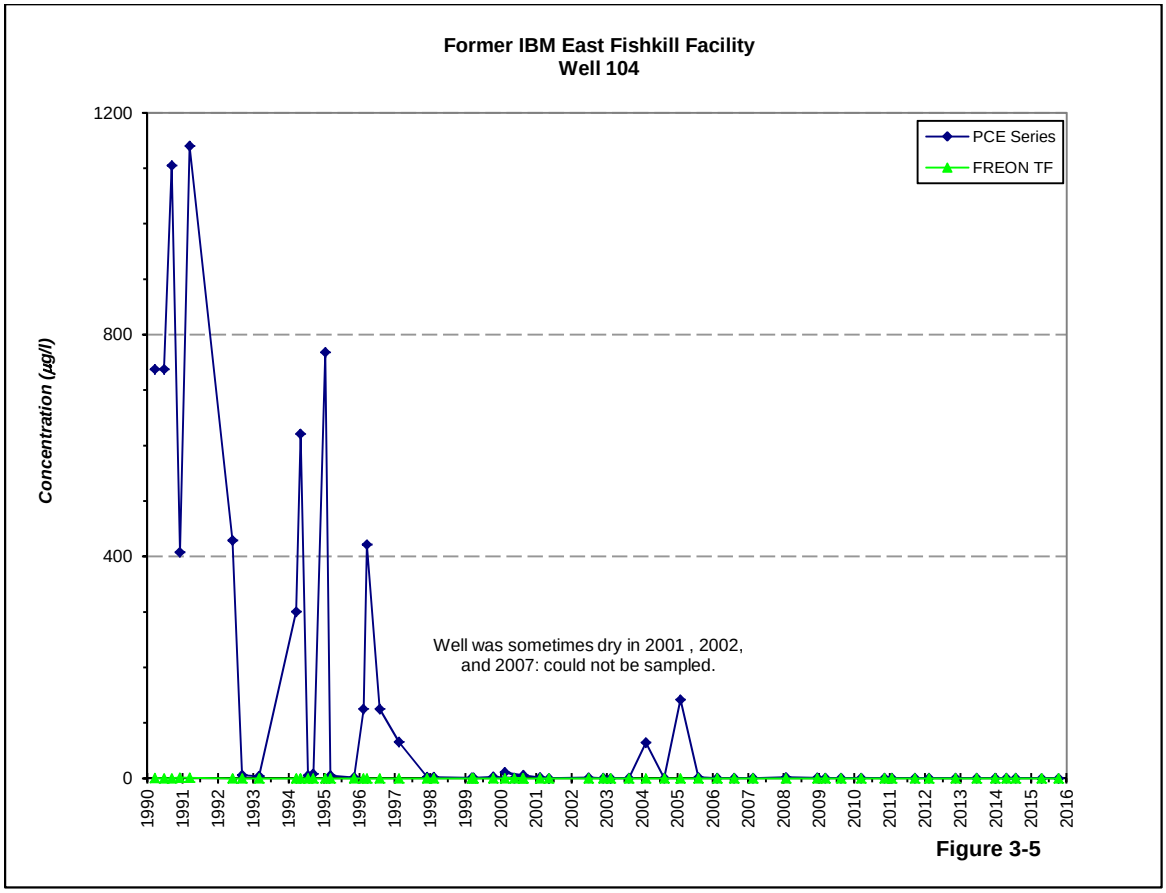


Figure 3-5

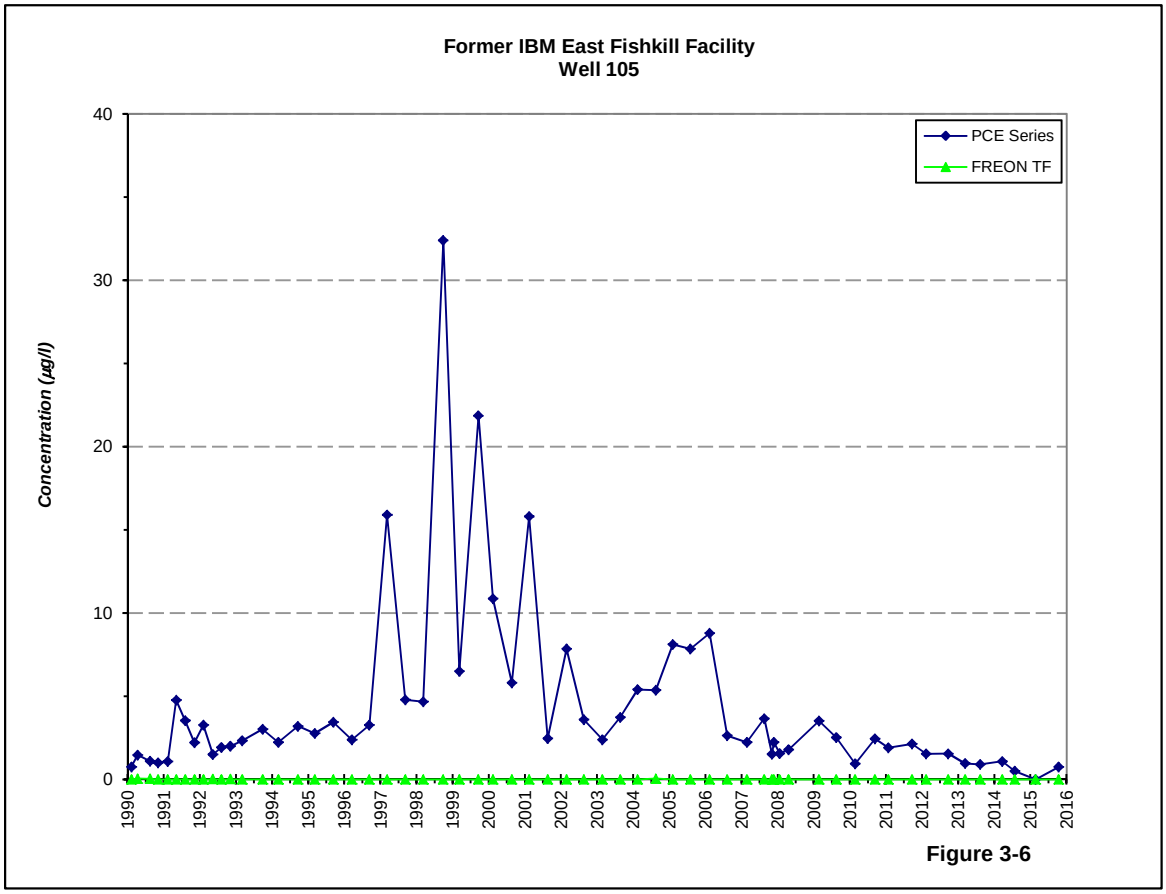


Figure 3-6

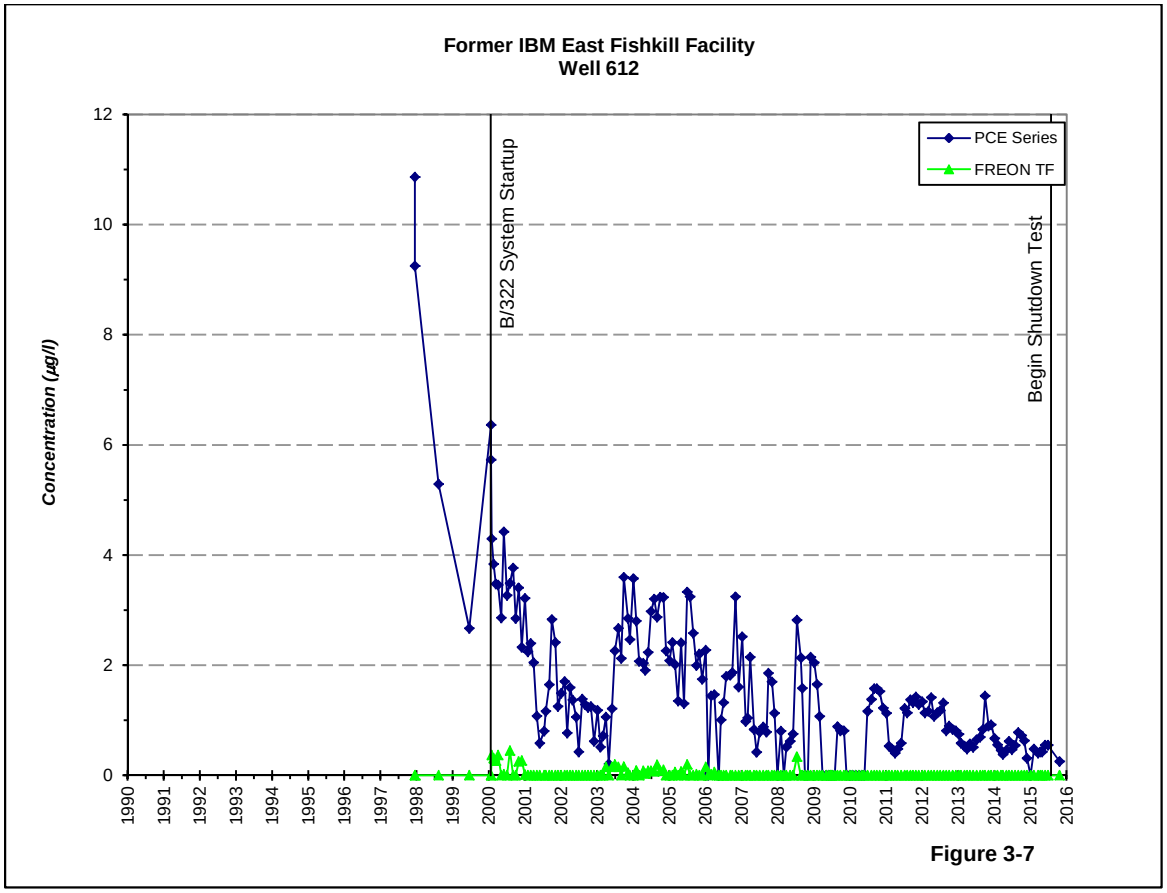


Figure 3-7

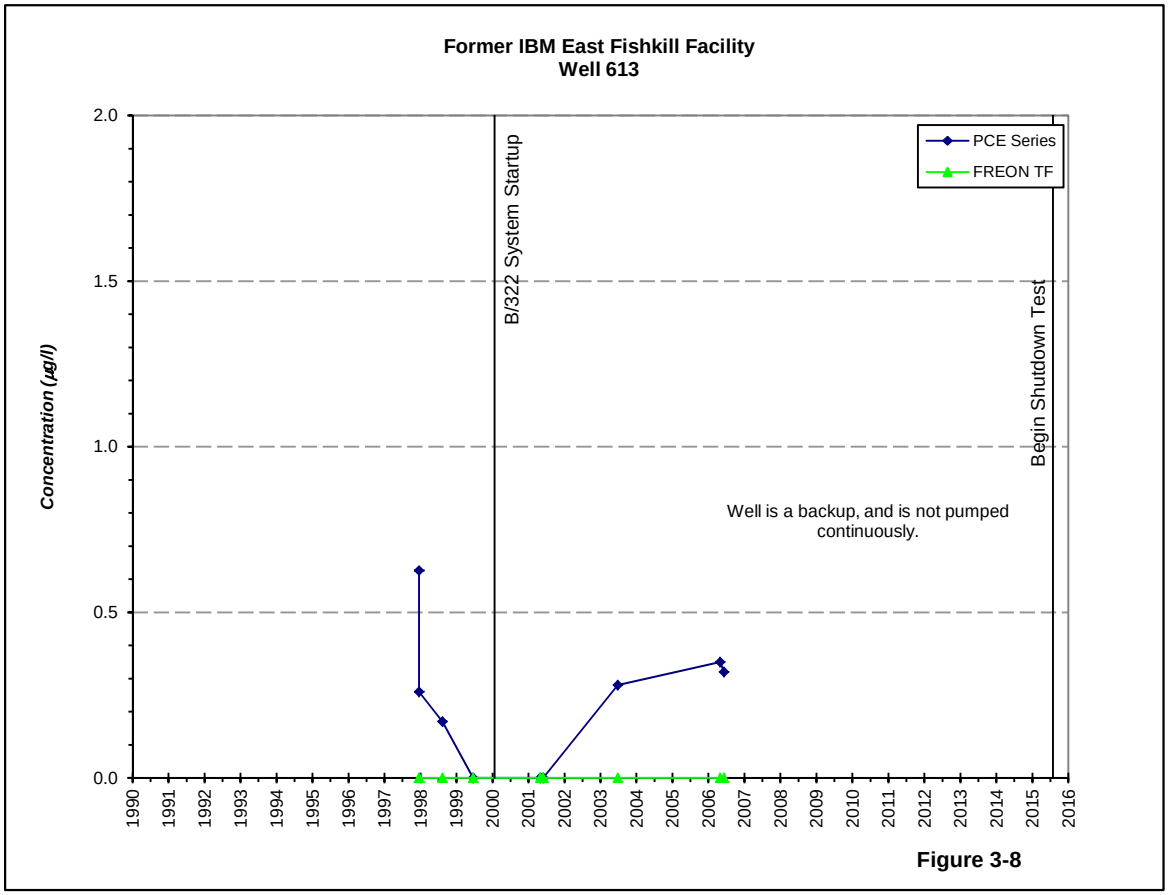


Figure 3-8

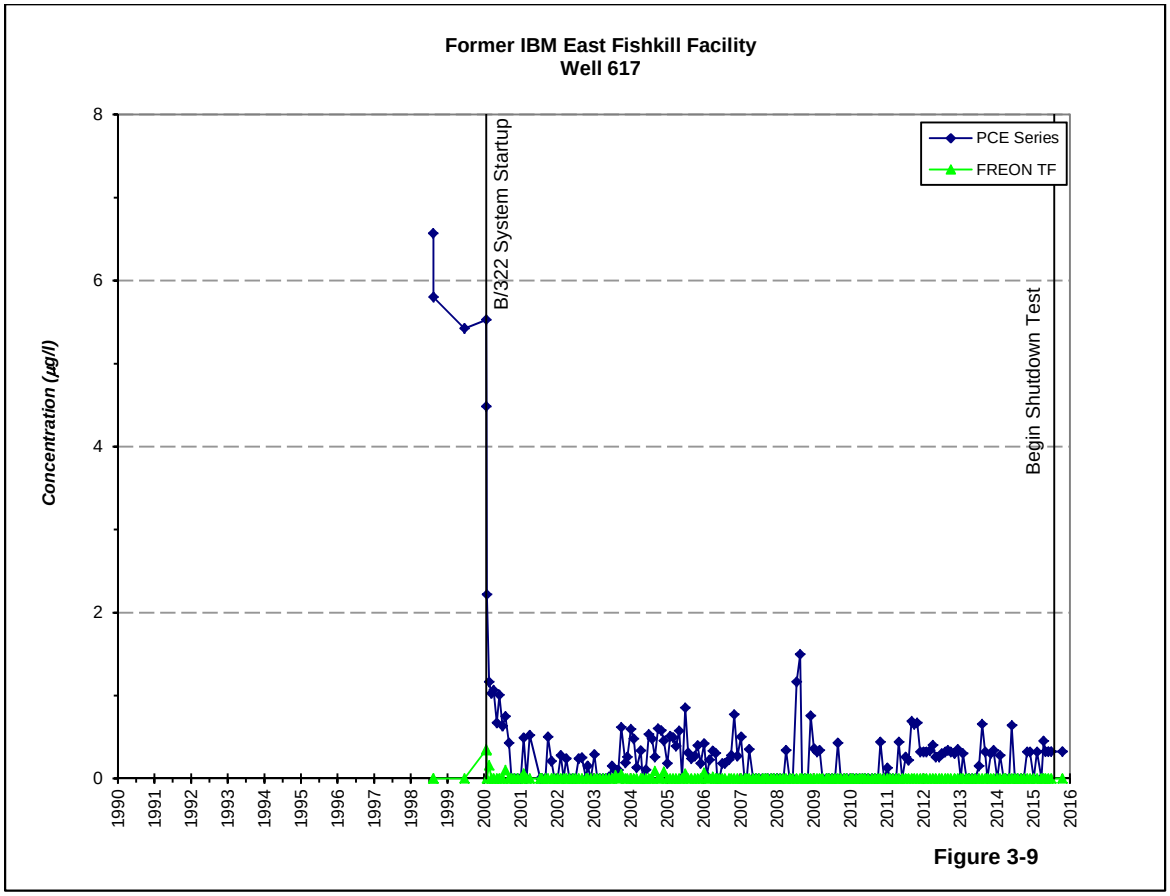


Figure 3-9

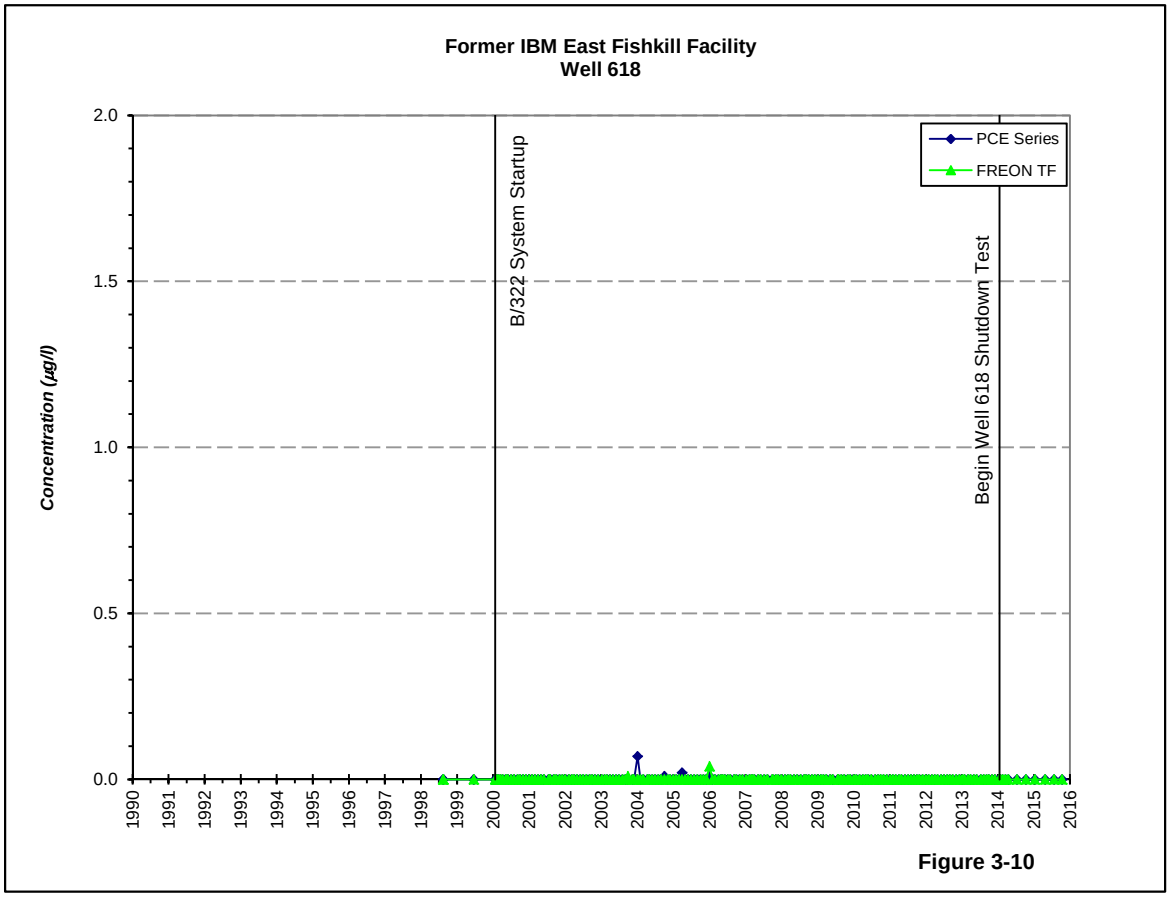


Figure 3-10

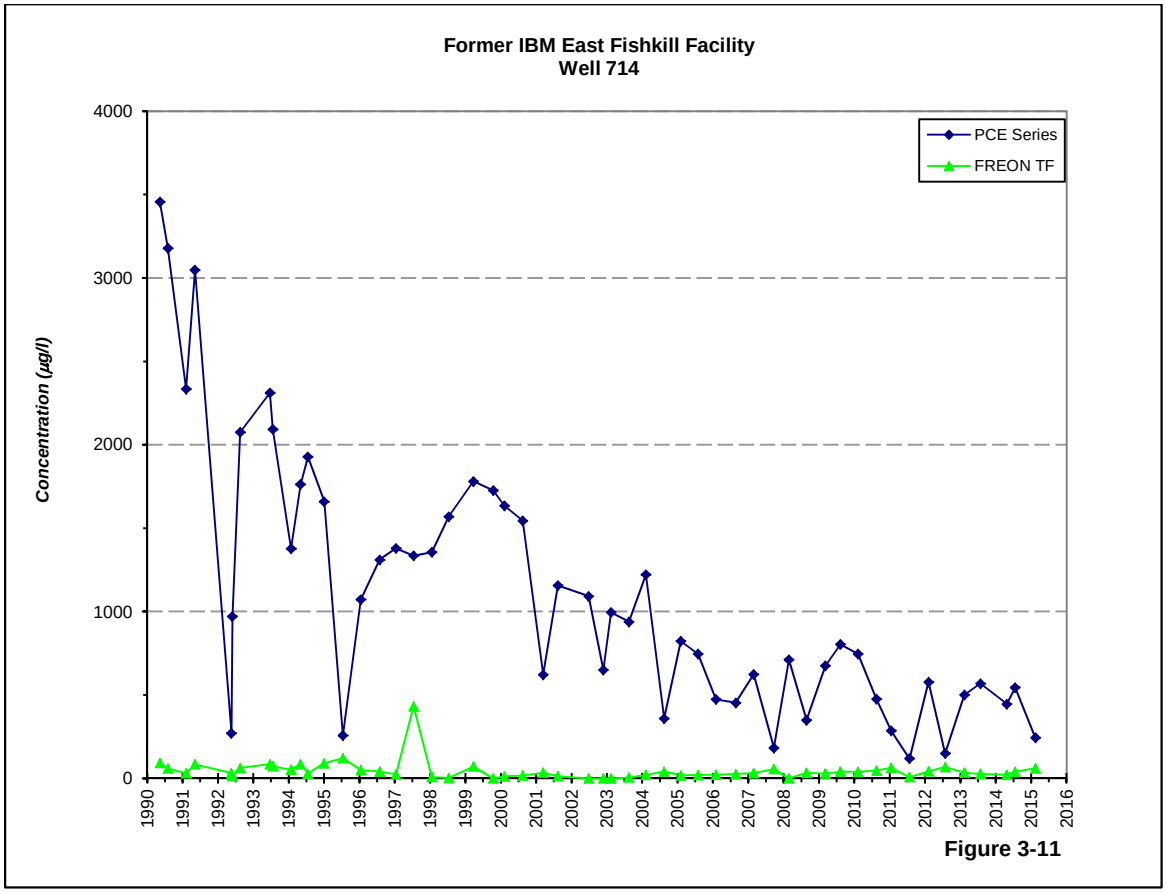


Figure 3-11

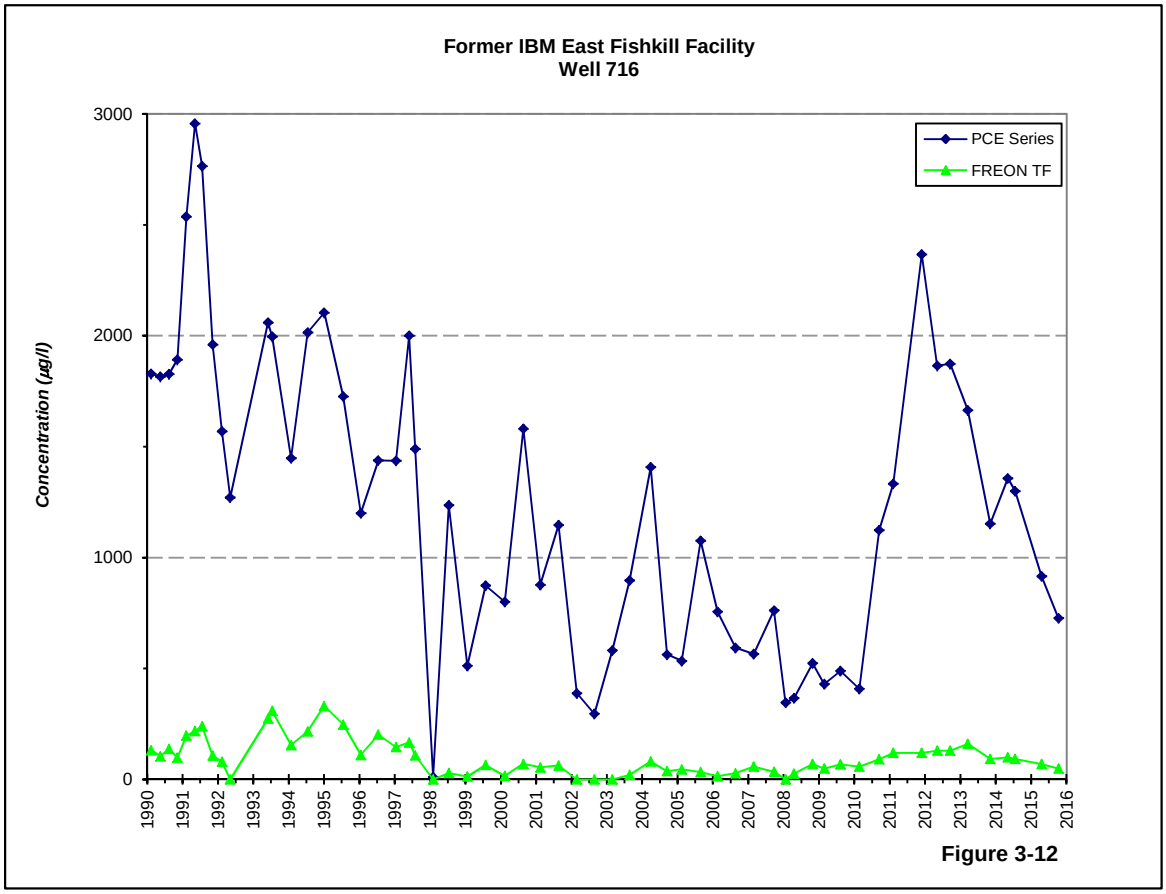


Figure 3-12

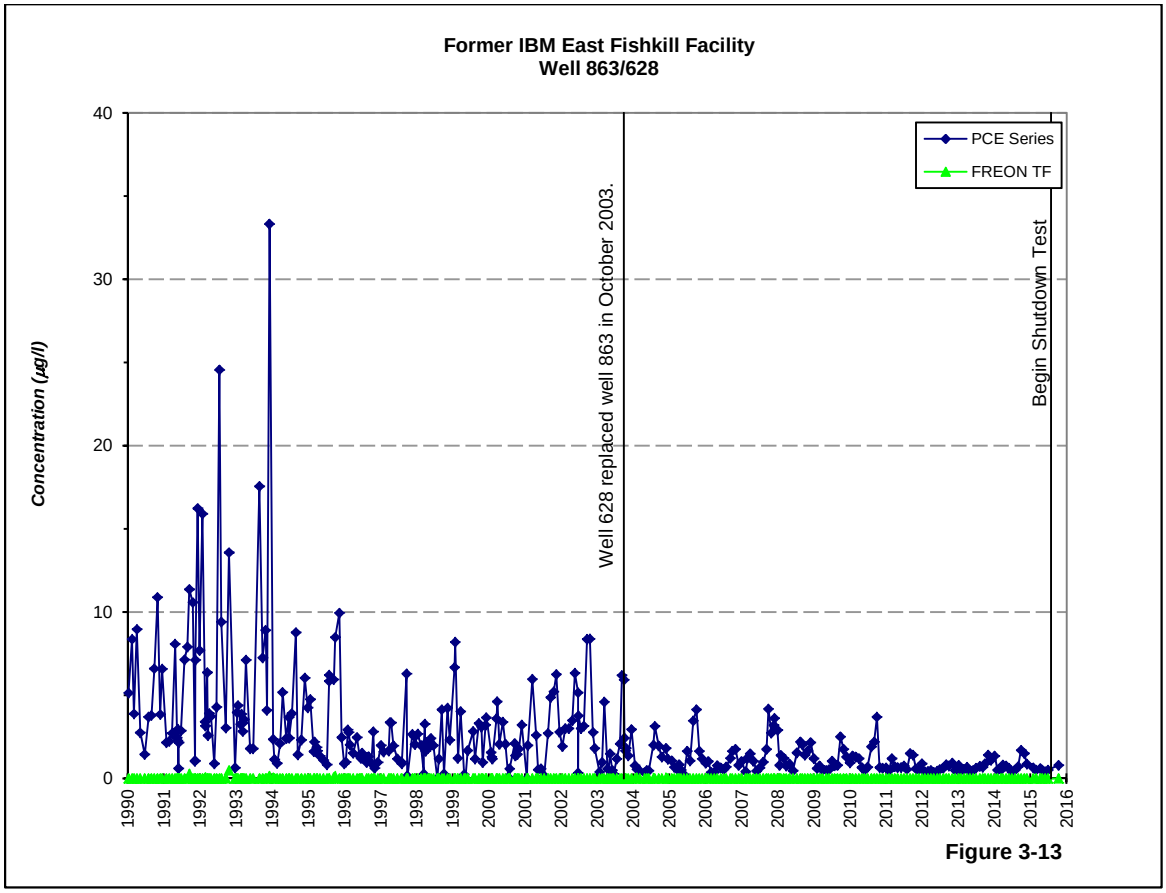


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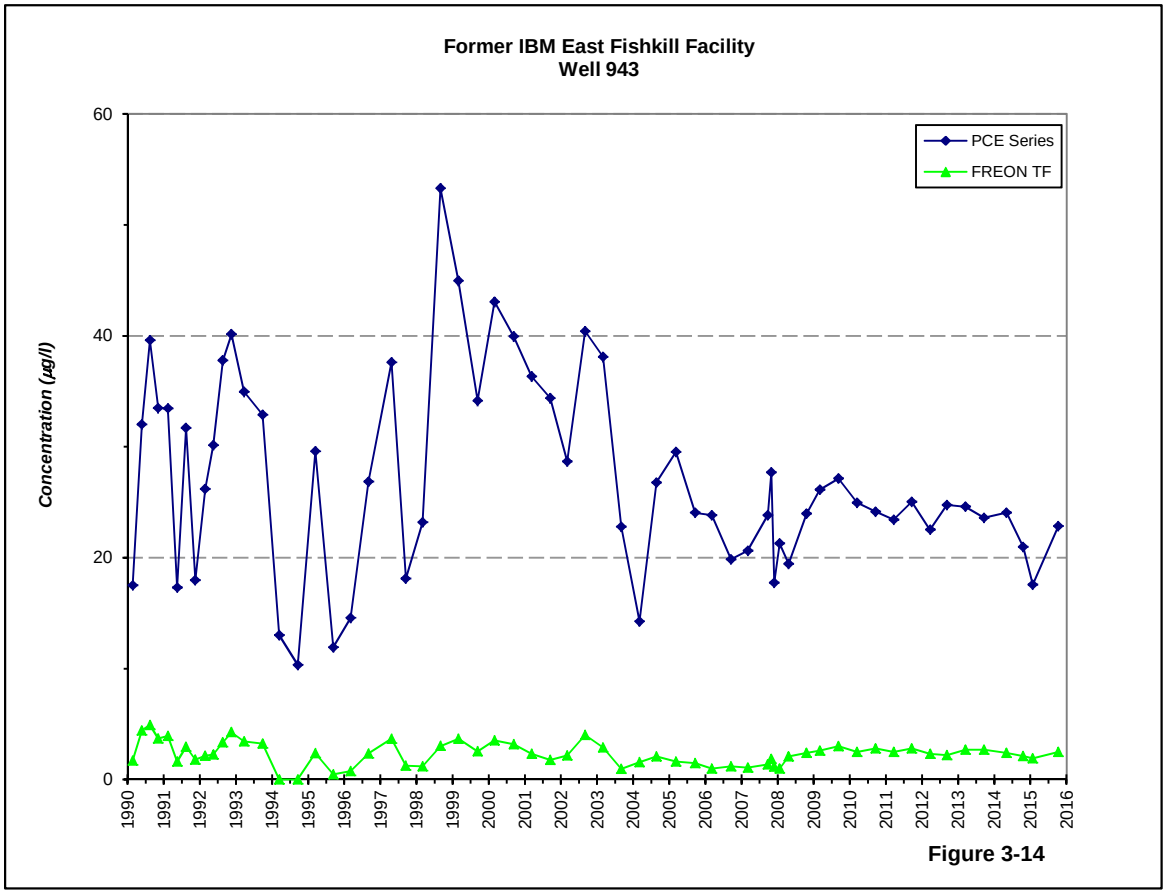


Figure 3-14

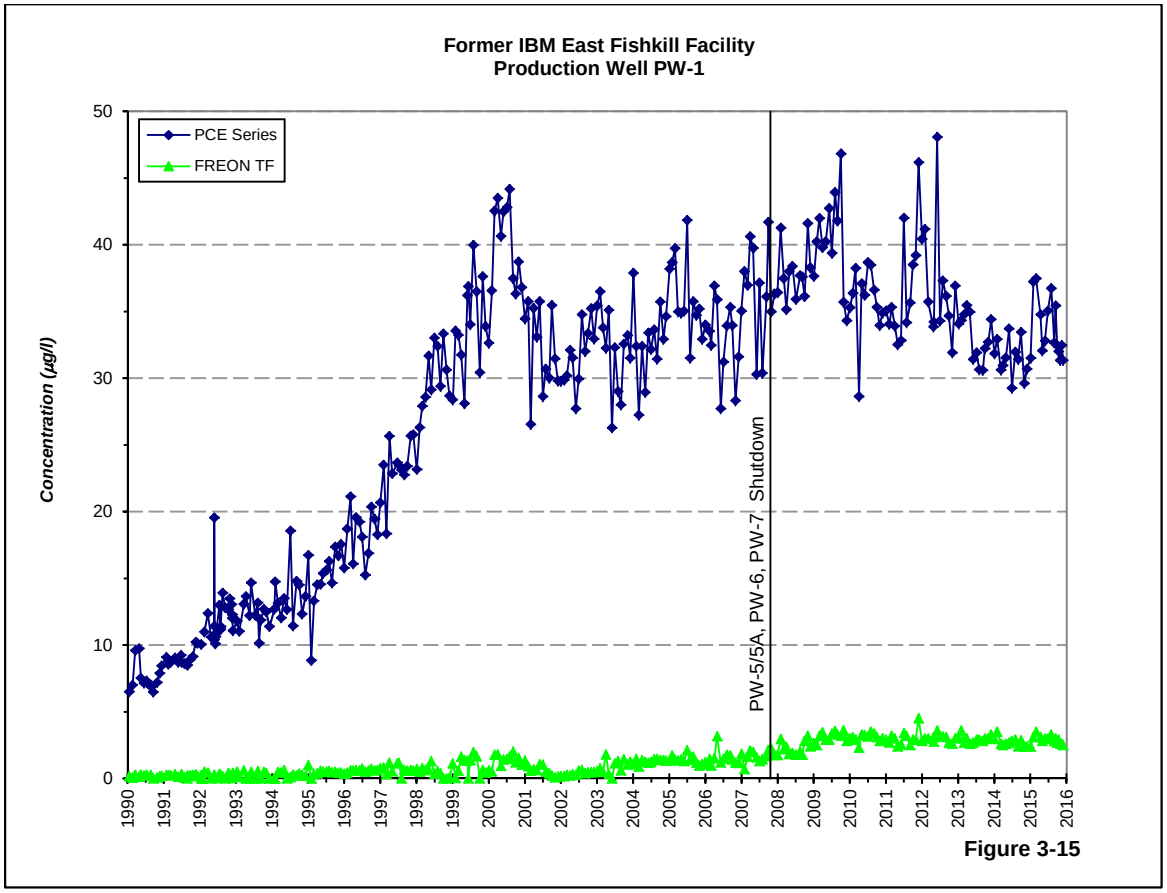


Figure 3-15

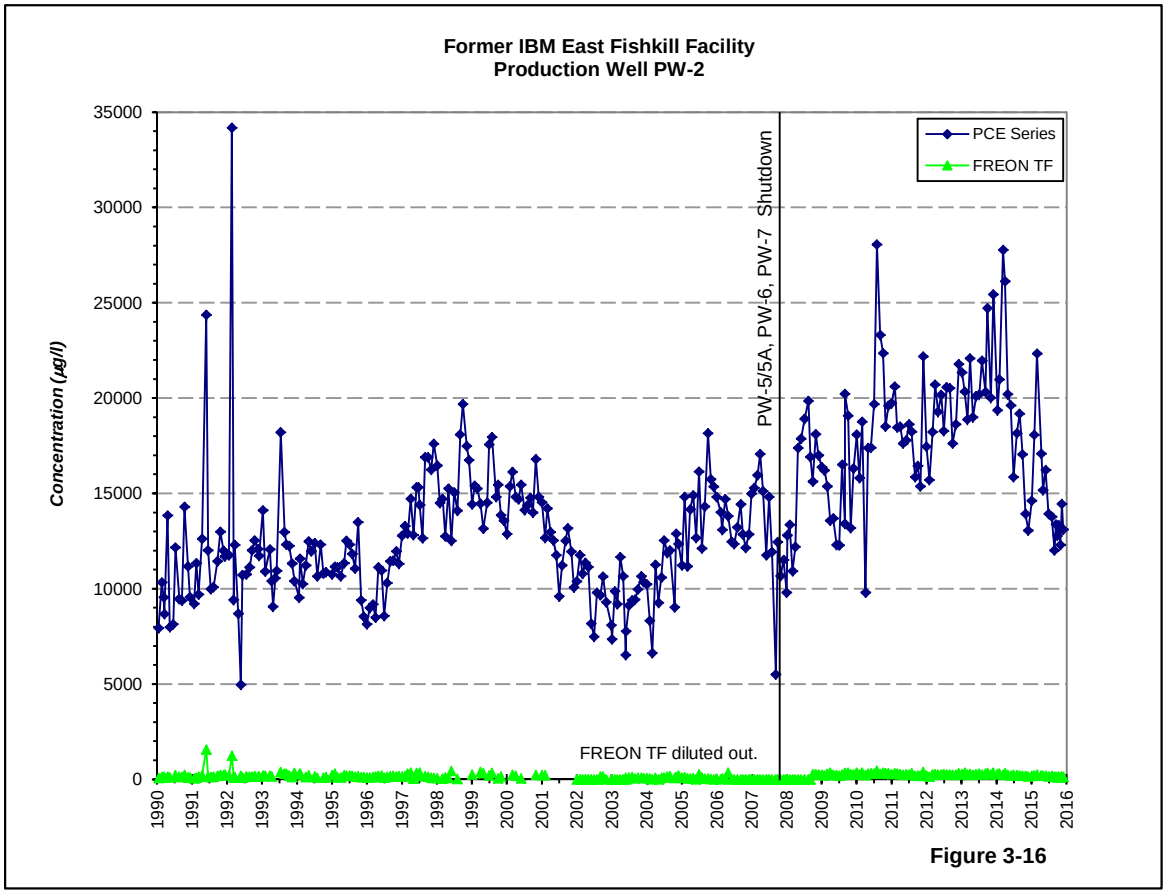


Figure 3-16

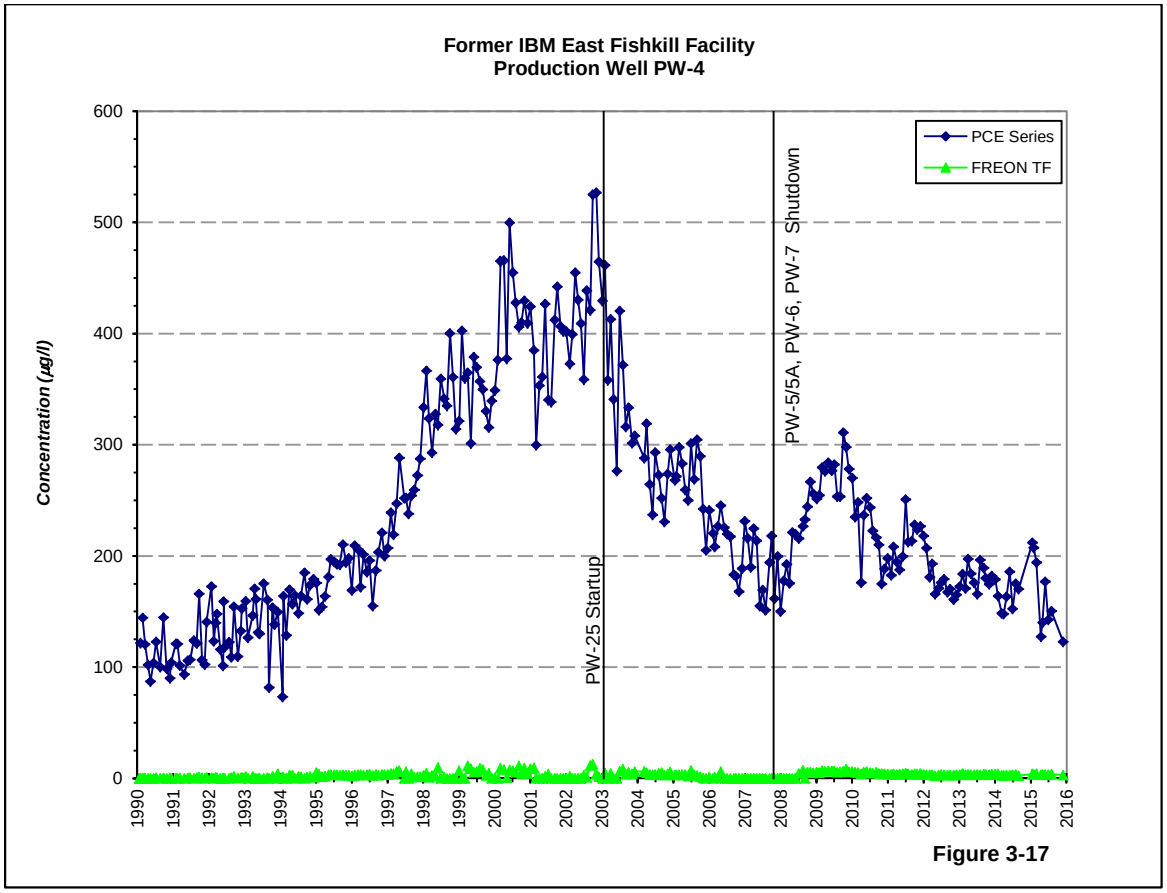


Figure 3-17

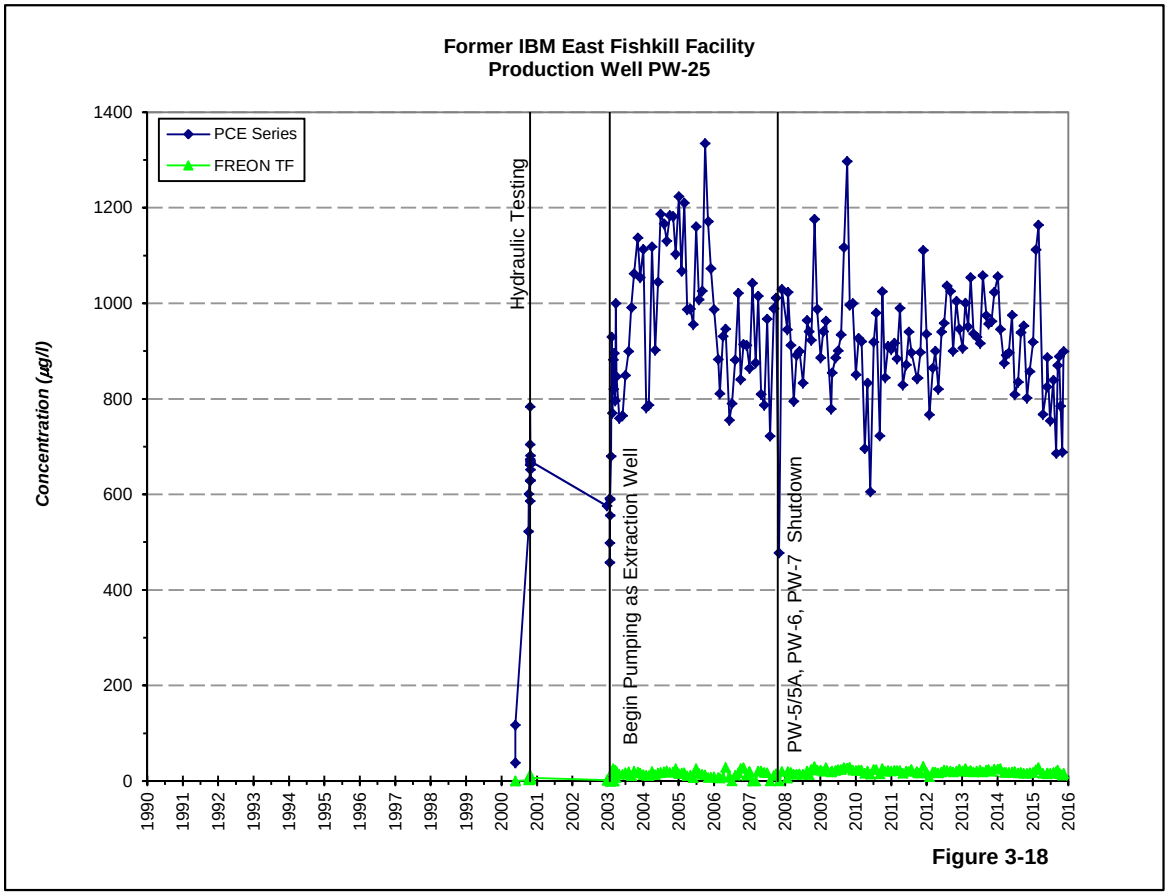


Figure 3-18

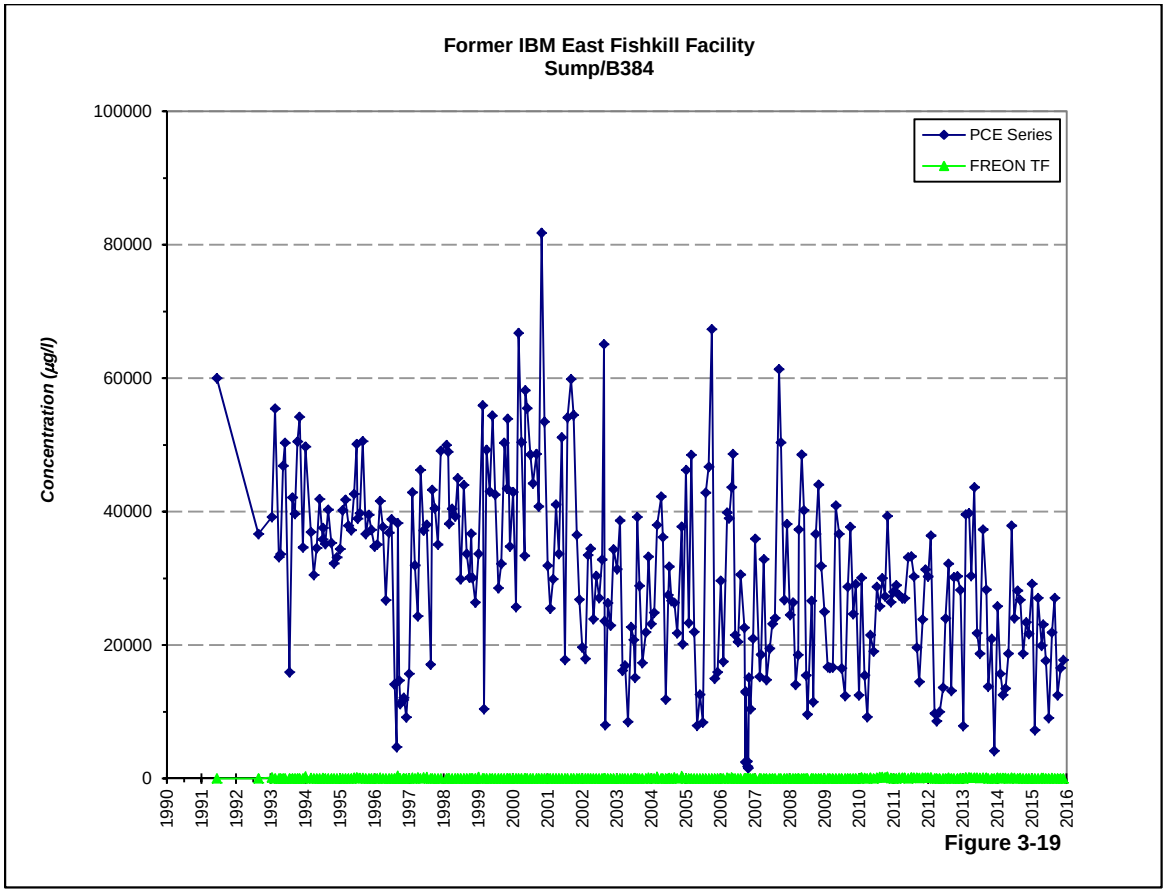


Figure 3-19

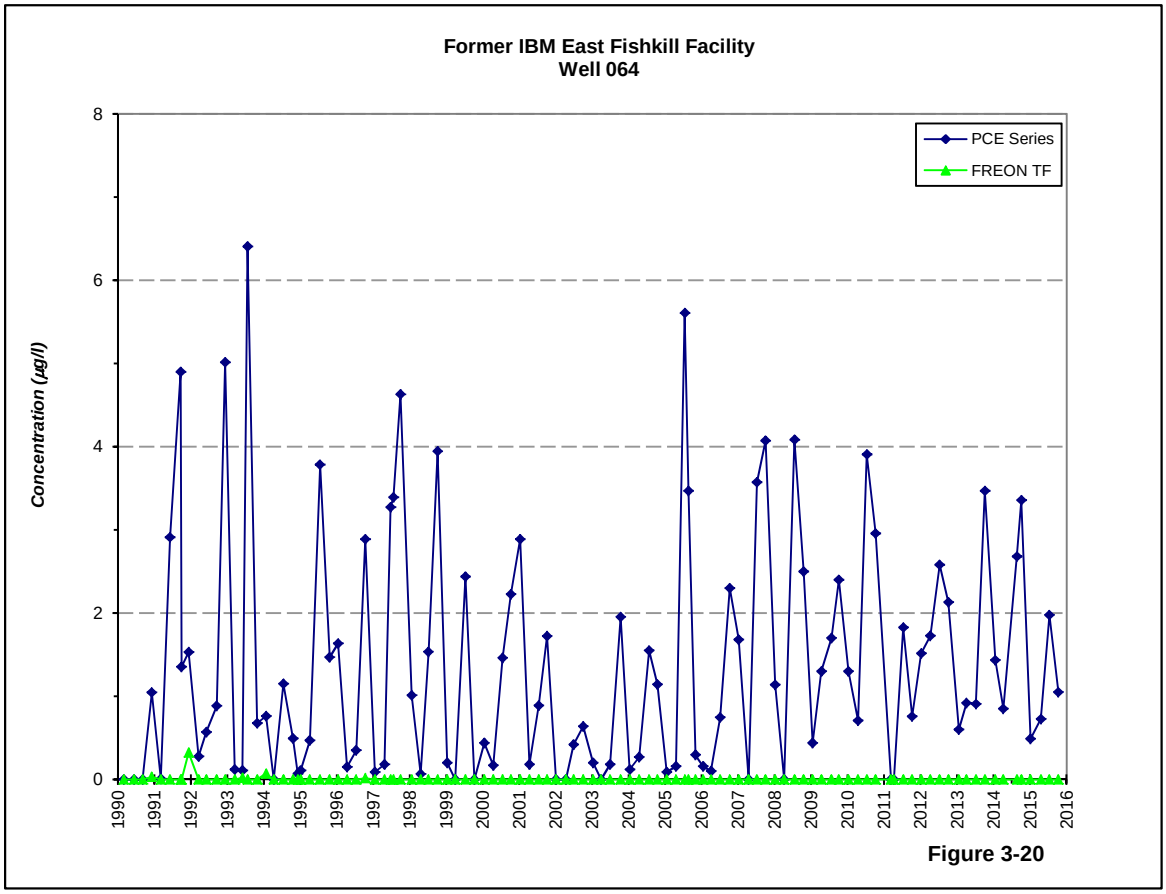


Figure 3-20

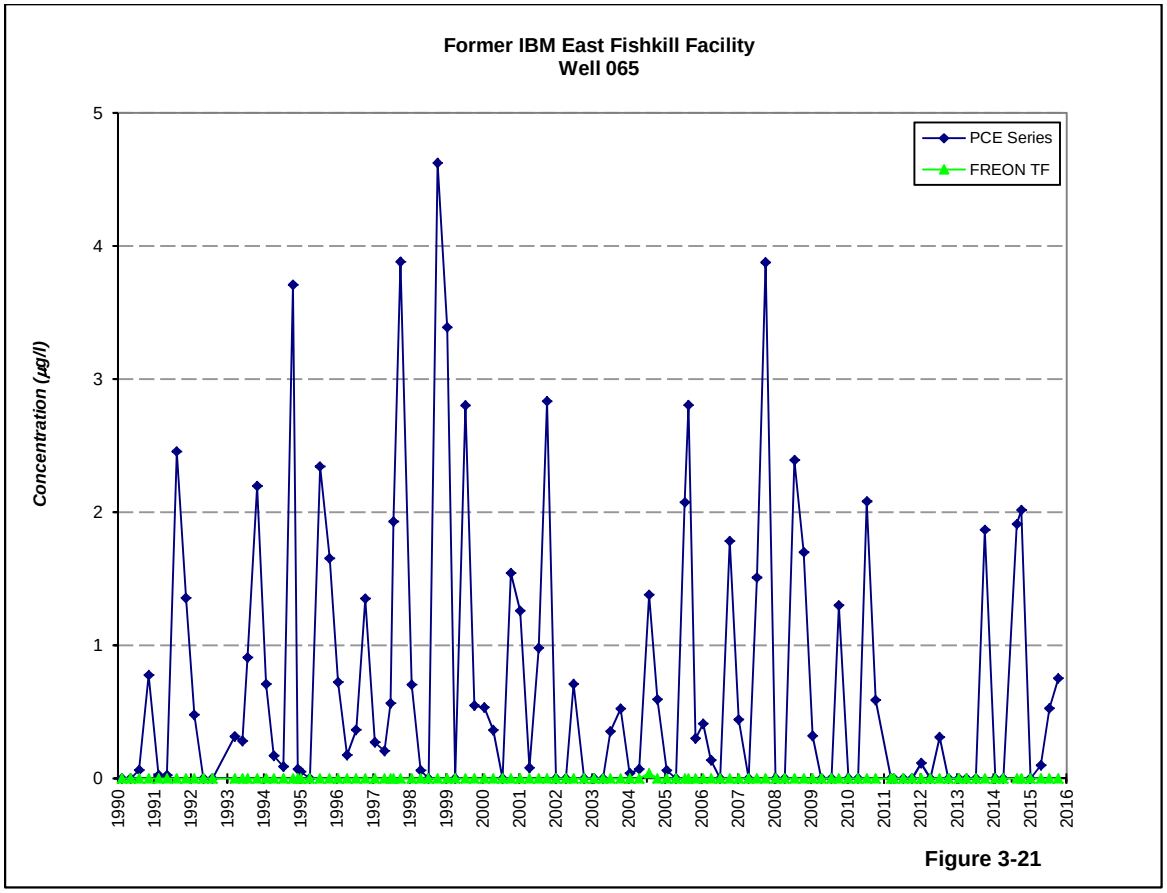


Figure 3-21

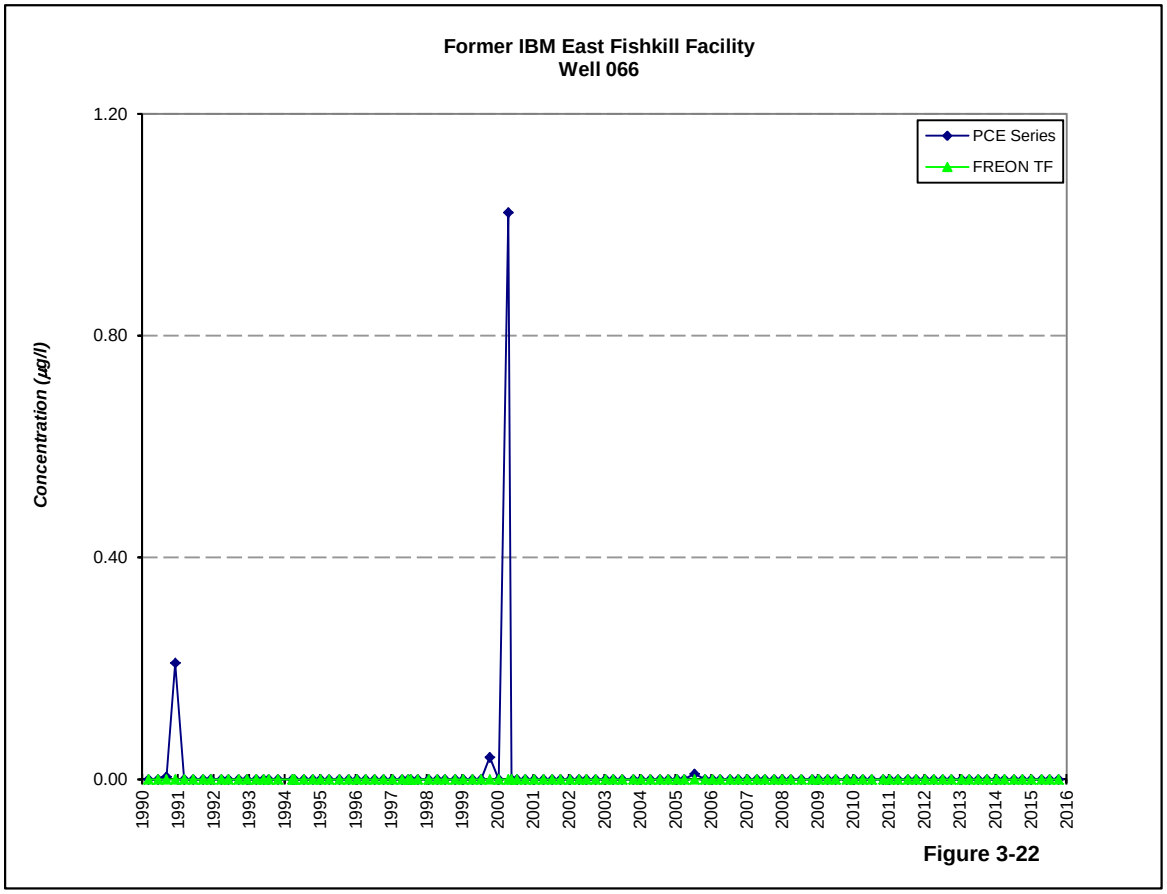


Figure 3-22

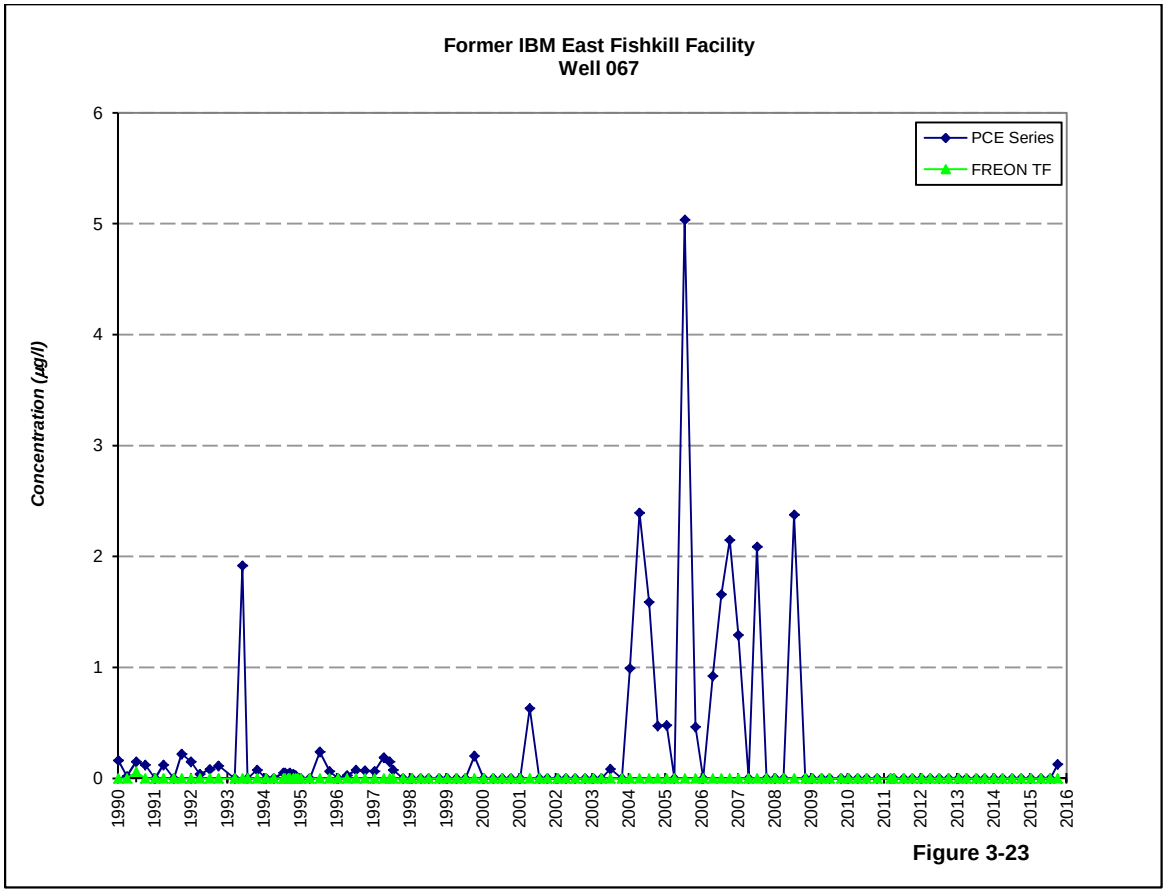


Figure 3-23

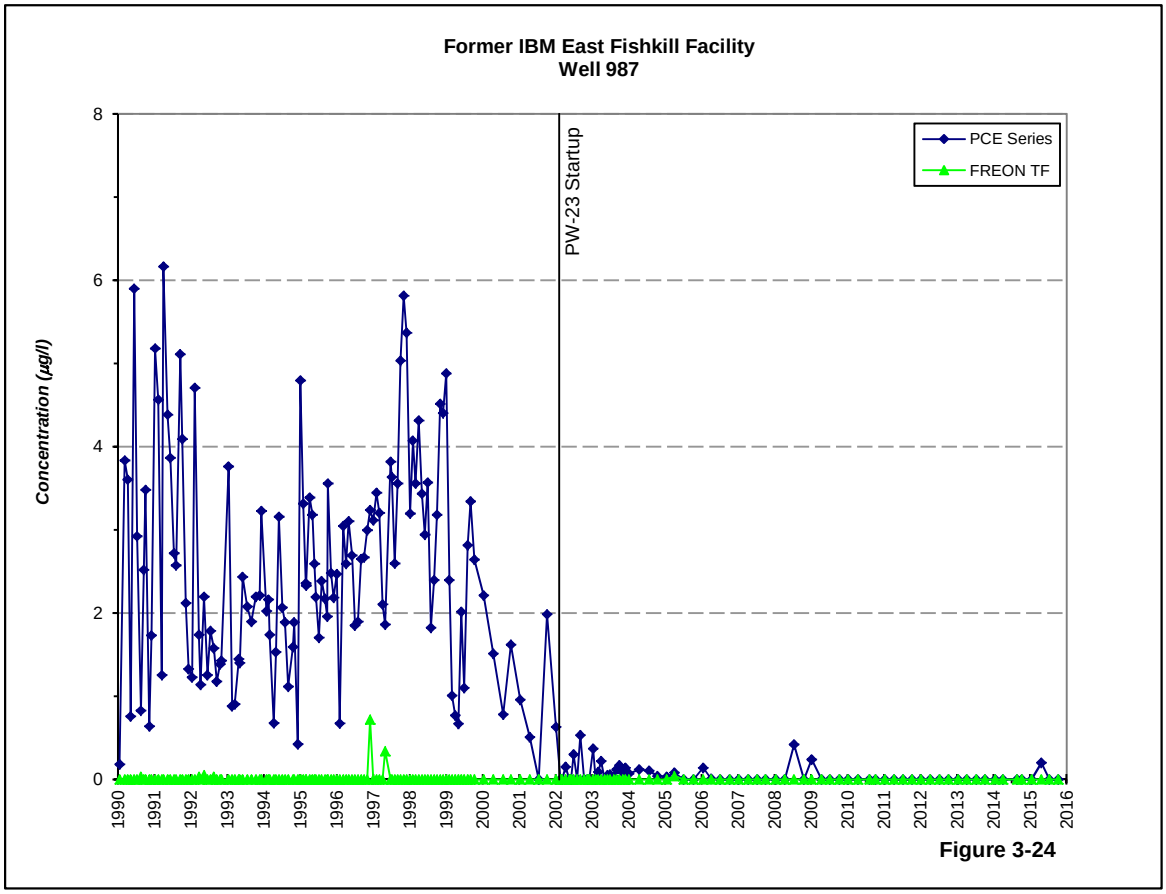


Figure 3-24

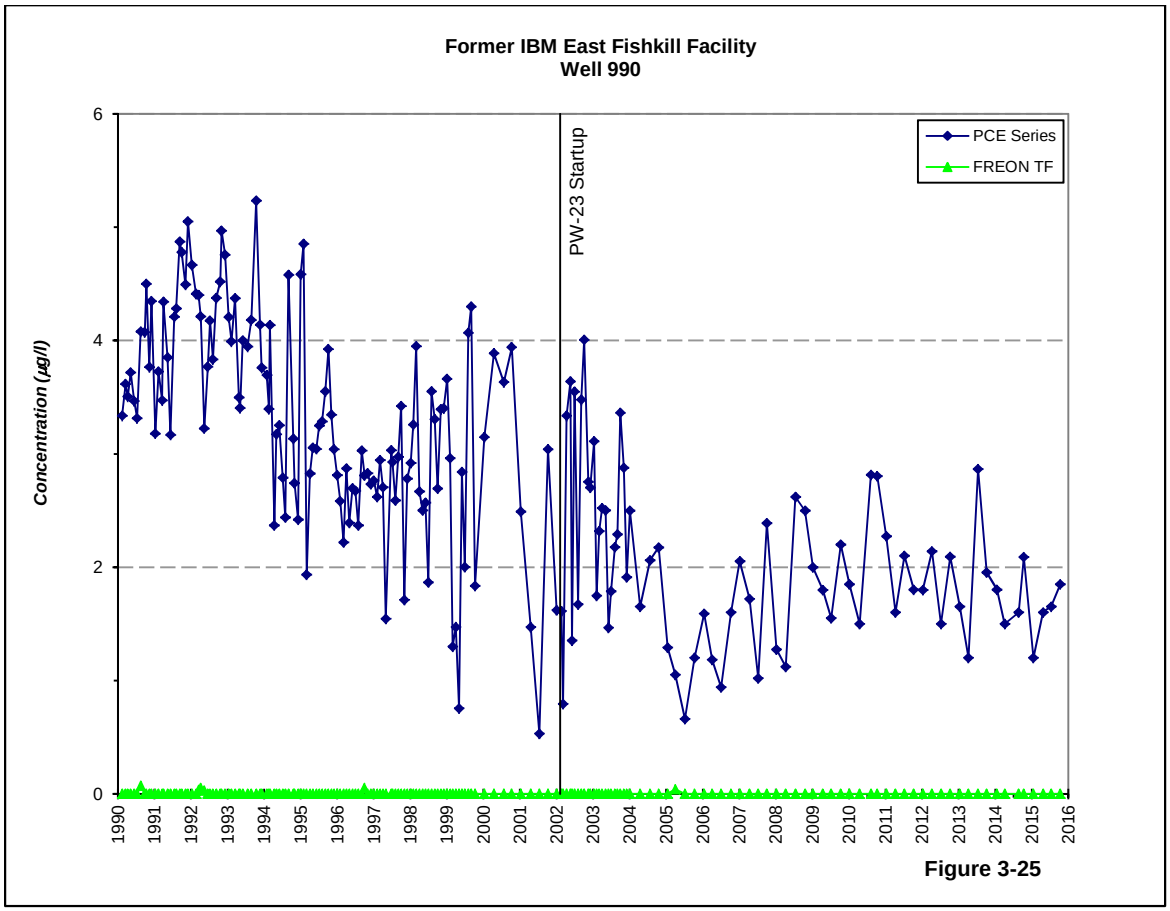

Former IBM East Fishkill Facility
Well 990
Concentration (µg/l)
PW-23 Startup
PCE Series
FREON TF
0
2
4
6
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016

Figure 3-25

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- 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)
- Soil/Bedrock Monitoring Well (for groundwater elevations only)
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well
- Shallow Extraction Well (all in soil except well 628 in bedrock)
- Inactive Shallow Extraction Well
- OU – Operable Unit

AREA A (OU5)

AREA B (OU3)

AREA C (LANDFILL) (OU6)

AREA D (OU4)

B/322 (OU7)

B/330 (OU8)

SOUTHEAST QUADRANT (OU9)

FORMER WEST COMPLEX

FORMER IBM RECREATION CENTER

JOHN JAY HIGH SCHOOL

B303, B304, B308, B309, B310, B316, B317, B320A, B320B, B321, B322, B323, B323A, B324, B325, B326, B330C, B330D, B330F, B335, B338, B386, B600, B630, B640

Plate 1

Former IBM East Fishkill Facility

Groundwater Monitoring Plan
Well Location Map

DRAWN BY: MHM	DATE: 9/16/15	DRAWING NO. 95007-086-D1
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

Scale 0 200' 400'

LEGEND

- Former IBM East Fishkill Facility 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
- Shallow Extraction Well
- Inactive Shallow Extraction Well
- OU – Operable Unit
- 220 – Contour of Constant Potentiometric Head (feet amsl)
- 228.08 – Groundwater Elevation (feet amsl)
- 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. March 2015 Flow Rate (GPM)
Area A	B384 Sump	1.7
Area B	628	10.5
Area D	032B	3.3
B/322	612, 617	2.9

AREA A (OU5)
AREA B (OU2)
AREA D (OU4)
B/322 (OU7)
SOUTHEAST QUADRANT (OU9)
AREA C (LANDFILL) (OU6)
B/330 (OU8)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
LAKE WALTON ROAD
SCHOOLHOUSE ROAD
B303
B304
B308
B309
B310
B316
B317
B320A
B320B
B321
B322
B323
B323A
B324
B330C
B330D
B330F
B334
B335
B338
B384 Sump
B386
B300
B600
B630
B640
B650
PW-1
PW-2
PW-3
PW-4
PW-5
PW-5A
PW-6
PW-7
PW-23

Scale
0 200' 400'

Plate 2

Former IBM East Fishkill Facility

Elevation Contour Map
Soil Groundwater Table
March 9-26, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-047-X2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility 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
- Shallow Extraction Well
- Inactive Shallow Extraction Well
- OU – Operable Unit
- 220 – Contour of Constant Potentiometric Head (feet amsl)
- 228.08 – Groundwater Elevation (feet amsl)
- ** – Measured on 4/22/15
- 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. April 2015 Flow Rate (GPM)
Area A	B384 Sump	1.2
Area B	628	10.3
Area D	032B	4.7
B/322	612, 617	7.8

AREA A (OU5)
AREA B (OU2)
AREA D (OU4)
B/322 (OU7)
B/330 (OU6)
SOUTHEAST QUADRANT (OU9)
ABANDONED LANDFILL (OU9)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
SCHOOL ROAD
LAKE WALTON ROAD
B300, B303, B304, B306, B308, B309, B310, B316, B317, B320A, B320B, B321, B322, B323, B323A, B324, B330C, B330D, B330F, B334, B335, B338, B384 Sump, B386, B515, B628, B630, B640

Plate 2a

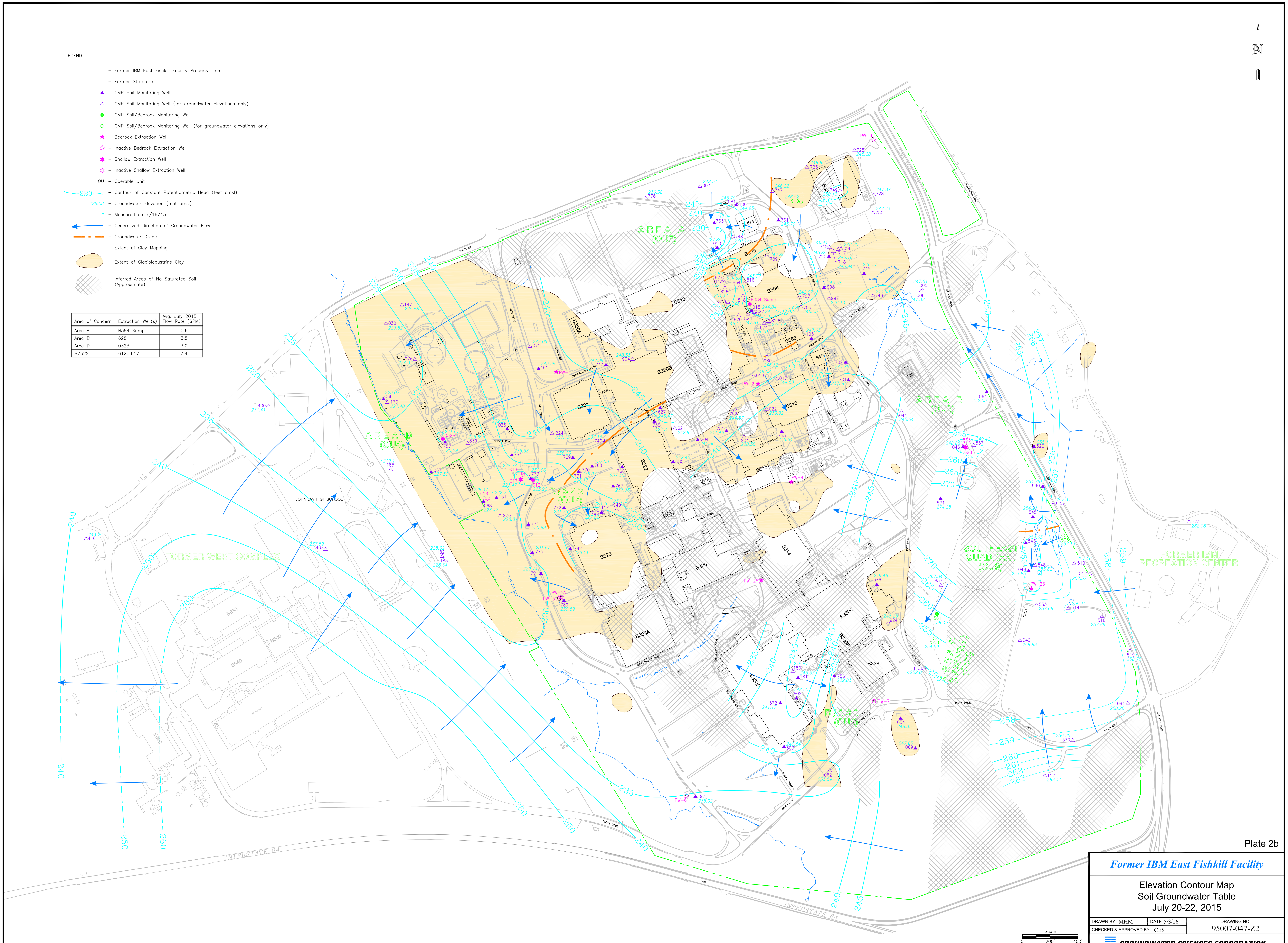
Former IBM East Fishkill Facility

Elevation Contour Map
Soil Groundwater Table
April 13-15, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-047-Y2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

Scale 0 200' 400'



Area of Concern	Extraction Well(s)	Avg. July 2015 Flow Rate (GPM)
Area A	B384 Sump	0.6
Area B	628	3.5
Area D	032B	3.0
B/322	612, 617	7.4

LEGEND

- Former IBM East Fishkill Facility 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
- Shallow Extraction Well
- Inactive Shallow Extraction Well
- OU – Operable Unit
- 220 – Contour of Constant Potentiometric Head (feet amsl)
- 228.08 – Groundwater Elevation (feet amsl)
- 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. October 2015 Flow Rate (GPM)
Area A	B384 Sump	0.4
Area B	628	N/A
Area D	032B	N/A
B/322	612, 617	N/A

AREA A (OU5)
AREA B (OU2)
AREA D (OU4)
B1322 (OU7)
B1330 (OU6)
AREA C (NAPL) (OU5)
SOUTHEAST QUADRANT (OU5)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
SOUTH DRIVE
NORTH DRIVE
WEST DRIVE
EAST DRIVE
FACILITY DRIVE
SERVICE ROAD
DEVELOPMENT DRIVE
CEDAR STREET
B300
B303
B304
B308
B309
B310
B316
B320A
B320B
B320E
B321
B322
B323
B323A
B330C
B330D
B330F
B334
B335
B338
B384
B386
B515

Scale
0 200' 400'

Plate 2c

Former IBM East Fishkill Facility

Elevation Contour Map
Soil Groundwater Table
October 5-7, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-102-A2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- GMP Bedrock Monitoring Well
- GMP Bedrock Monitoring Well (for groundwater elevations only)
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well
- Soil Extraction Well
- OU – Operable Unit
- 200 – Contour of Constant Potentiometric Head (feet amsl)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- 164.54 – Groundwater Elevation (feet amsl) "<" 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. March 2015 Flow Rate (GPM)
PW-1	173
PW-2	62
PW-4	99
PW-23	14.7
PW-25	184

AREA A (OU5)
AREA B (OU3)
AREA D (OU4)
B322 (OU7)
B330 (OU8)
AREA C (LANDFILL) (OU6)
SOUTHEAST QUADRANT (OU9)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
B303
B304
B308
B309
B310
B316
B320A
B320B
B321
B322
B323
B323A
B330C
B330D
B330F
B338
B386
PW-1
PW-2
PW-4
PW-5A
PW-5B
PW-6
PW-7
PW-9
PW-23
PW-25

Scale 0 200' 400'

Plate 3

Former IBM East Fishkill Facility

Elevation Contour Map
Deep Bedrock Potentiometric Surface
March 9-26, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-064-H2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- ▼ – GMP Bedrock Monitoring Well
- ▽ – GMP Bedrock Monitoring Well (for groundwater elevations only)
- ★ – Bedrock Extraction Well
- ☆ – Inactive Bedrock Extraction Well
- ✸ – Soil Extraction Well
- OU – Operable Unit
- 200 – Contour of Constant Potentiometric Head (feet amsl)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- 164.54 – Groundwater Elevation (feet amsl) "<" symbol denotes a dry well. Elevation listed is the bottom elevation of the well
- ** – Measured 4/22/15

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. April 2015 Flow Rate (GPM)
PW-1	169
PW-2	75
PW-4	99
PW-23	16.2
PW-25	89

AREA A (OU5)
AREA B (OU3)
AREA D (OU4)
B/322 (OU7)
B/330 (OU8)
SOUTHEAST QUADRANT (OU6)
AREA G (LANDFILL) (OU6)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
SCHOONMAKER ROAD
NORTH DRIVE
WEST DRIVE
HOLLY DRIVE
ADMINISTRATION DRIVE
FACILITY DRIVE
SERVICE ROAD
DEVELOPMENT DRIVE
SOUTH DRIVE
B304, B303, B309, B308, B310, B320A, B320B, B321, B315C, B315, B322, B300, B323A, B330D, B330C, B330, B334, B389, B386, B317, B316, B334

Scale 0 200' 400'

Plate 3a

Former IBM East Fishkill Facility

Elevation Contour Map
Deep Bedrock Potentiometric Surface
April13-22, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-064-I2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- GMP Bedrock Monitoring Well
- GMP Bedrock Monitoring Well (for groundwater elevations only)
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well
- Soil Extraction Well
- OU – Operable Unit
- 200 – Contour of Constant Potentiometric Head (feet amsl)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- 164.54 – Groundwater Elevation (feet amsl) "<" 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. July 2015 Flow Rate (GPM)
PW-1	105
PW-2	101
PW-4	99
PW-23	11.1
PW-25	137

Plate 3b

Former IBM East Fishkill Facility

Elevation Contour Map
Deep Bedrock Potentiometric Surface
July 20-22, 2015

DRAWN BY: MHM | DATE: 5/3/16 | DRAWING NO. 95007-064-L2
CHECKED & APPROVED BY: CES

GROUNDWATER SCIENCES CORPORATION

Scale 0 200' 400'

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- ▼ GMP Bedrock Monitoring Well
- ▽ GMP Bedrock Monitoring Well (for groundwater elevations only)
- ★ Bedrock Extraction Well
- ☆ Inactive Bedrock Extraction Well
- ✱ Soil Extraction Well
- OU Operable Unit
- 200 Contour of Constant Potentiometric Head (feet amsl)
- Generalized Direction of Groundwater Flow
- Groundwater Divide
- 164.54 Groundwater Elevation (feet amsl) "<" 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. October 2015 Flow Rate (GPM)
PW-1	70
PW-2	120
PW-4	N/A
PW-23	N/A
PW-25	212

AREA A (OU5)

AREA D (OU4)

B322 - (OU7)

AREA B (OU3)

B330 (OU6)

SOUTHEAST QUADRANT (OU8)

AREA C (LANDFILL) (OU6)

FORMER WEST COMPLEX

FORMER IBM RECREATION CENTER

JOHN JAY HIGH SCHOOL

INTERSTATE 84

Plate 3c

Former IBM East Fishkill Facility

Elevation Contour Map
Deep Bedrock Potentiometric Surface
October 5-7, 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-064-M2
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

Scale 0 200' 400'

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- GMP oil Monitoring Well
- Other Soil Monitoring Well
- GMP Soil/Bedrock Monitoring Well
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well
- Shallow Extraction Well
- Inactive Shallow Extraction Well
- OU – Operable Unit
- 10 – PCE-Series Concentration Contour (ug/l)
- 5 – Approximate Limit of Plume as Defined by Annual Median Concentration Equal to 5 ug/l of PCE-Series Compounds
- 3.9 – PCE-Series Concentration (ug/l)
- **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. "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 prior to 4/1/2016 and 0.5 ug/l x DF for most compounds after 4/1/2016) are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). 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 or <0.5 ug/l times the DF where Freon TF was not detected.

Data from January through May 2015, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).

AREA A (OU5)
AREA B (OU2)
AREA D (OU4)
B-322 (OU7)
B-330 (OU3)
AREA C (LANDFILL) (OU6)
SOUTHEAST QUADRANT (OU8)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
ROUTE 52
INTERSTATE 84
B300, B300A, B300B, B300C, B300F, B302, B303, B304, B306, B308, B309, B310, B315, B316, B317, B320A, B320B, B321, B322, B323, B323A, B324, B330C, B335, B336, B338, B386, B600, B630, B640, B690
PW-1, PW-2, PW-4, PW-5, PW-5A, PW-6, PW-7, PW-23, PW-25
6384 Sump
NORTH DRIVE, WEST DRIVE, EAST DRIVE, SOUTH DRIVE, SERVICE ROAD, ADMINISTRATION COURT, FACILITY DRIVE, UTILITY DRIVE, DEVELOPMENT DRIVE, ON-CAMPUS DRIVE, LAKE KITE ROAD

Scale 0 200' 400'

Plate 4

Former IBM East Fishkill Facility

Isoconcentration Contour Map
PCE-Series, Soil
January-May 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-007-V1
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility Property Line
- Former Structure
- GMP Soil Monitoring Well
- Other Soil Monitoring Well
- GMP Soil/Bedrock Monitoring Well
- Bedrock Extraction Well
- Inactive Bedrock Extraction Well
- Shallow Extraction Well
- Inactive Shallow Extraction Well
- OU – Operable Unit
- 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. "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 prior to 4/1/2016 and 0.5 ug/l x DF for most compounds after 4/1/2016) are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). 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 or <0.5 ug/l times the DF where Freon TF was not detected.

Data from January through May 2015, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).

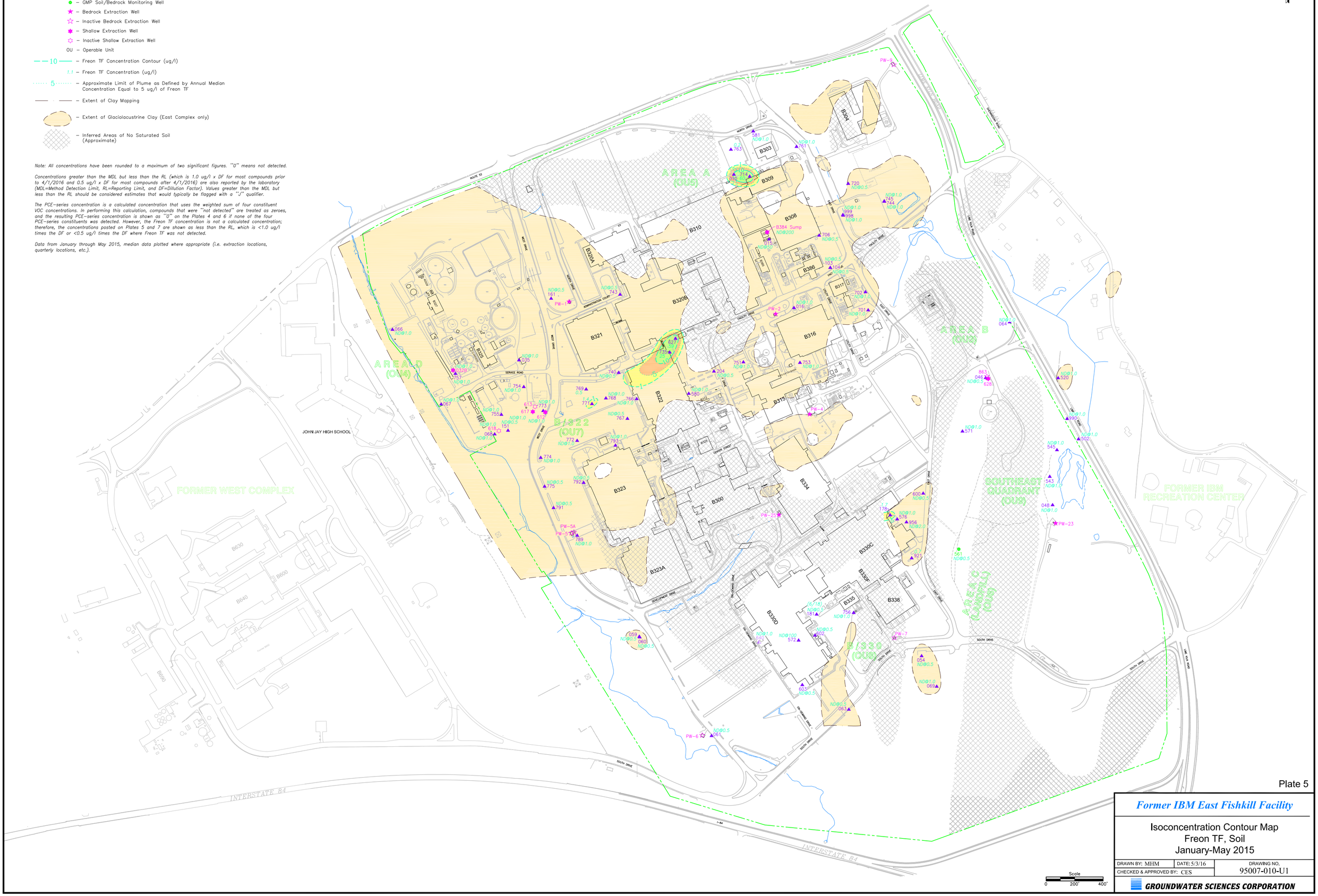


Plate 5

Former IBM East Fishkill Facility

Isoconcentration Contour Map
Freon TF, Soil
January-May 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-010-U1
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility 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
- Shallow Bedrock Extraction Well
- OU – Operable Unit
- 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 prior to 4/1/2016 and 0.5 ug/l x DF for most compounds after 4/1/2016) are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). 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 or <0.5 ug/l times the DF where Freon TF was not detected.

Data from January through May 2015, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).

AREA A (OU5)
AREA B (OU3)
AREA C (LANDFILL) (OU9)
AREA D (OU4)
B/322 (OU7)
B/330 (OU8)
SOUTHEAST QUADRANT (OU9)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
NORTH DRIVE
WEST DRIVE
EAST DRIVE
SOUTH DRIVE
SERVICE ROAD
FACILITY DRIVE
DUTCHESS DRIVE
CENTER STREET
DOCUMENTATION DRIVE
SCHOOLHOUSE ROAD
LAKE KEL ROAD
B303, B304, B308, B309, B310, B320A, B320B, B321, B322, B323, B323A, B300, B316, B317, B315, B334, B330C, B330F, B330D, B335, B338, B386, B388, B600, B630, B640, B680

Scale 0 200' 400'

Plate 6

Former IBM East Fishkill Facility

Isoconcentration Contour Map
PCE-Series, Bedrock
January-May 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-009-V1
CHECKED & APPROVED BY: CES		

GROUNDWATER SCIENCES CORPORATION

LEGEND

- Former IBM East Fishkill Facility 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
- Shallow Extraction Well
- OU – Operable Unit
- 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 prior to 4/1/2016 and 0.5 ug/l x DF for most compounds after 4/1/2016) are also reported by the laboratory (MDL=Method Detection Limit, RL=Reporting Limit, and DF=Dilution Factor). 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 or <0.5 ug/l times the DF where Freon TF was not detected.

Data from January through May 2015, median data plotted where appropriate (i.e. extraction locations, quarterly locations, etc.).

AREA A (OU5)
AREA B (OU3)
AREA C (LANDFILL) (OU5)
AREA D (OU4)
B/322 (OU7)
B/330 (OU8)
SOUTHEAST QUADRANT (OU9)
FORMER WEST COMPLEX
FORMER IBM RECREATION CENTER
JOHN JAY HIGH SCHOOL
INTERSTATE 84
ROUTE 52
NORTH DRIVE
WEST DRIVE
EAST DRIVE
SOUTH DRIVE
FACILITY DRIVE
UTILITY DRIVE
CENTER STREET
ADMINISTRATION COURT
SERVICE ROAD
OLD HOPEWELL DRIVE
DOVEHAVEN DRIVE
SCHOOLHOUSE ROAD
LAKE KELLY ROAD
B303, B304, B308, B309, B310, B316, B317, B320A, B320B, B321, B322, B322A, B322B, B322C, B322D, B323, B323A, B324, B300, B315, B330C, B330D, B330F, B335, B338, B384, B386, B600, B630, B640, B690

Scale 0 200' 400'

Plate 7

Former IBM East Fishkill Facility

Isoconcentration Contour Map
Freon TF - Bedrock
January-May 2015

DRAWN BY: MHM	DATE: 5/3/16	DRAWING NO. 95007-008-U1
CHECKED & APPROVED BY: CES		

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
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
067	234.42	6463.455	2607.405
068	233.85	6253.894	2982.574

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
165	273.99	6299.089	7593.114
166	254.58	7422.875	6512.986
167	254.58	7422.875	6512.986

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
405	258.01	4341.985	3409.956
407	345.71	3941.830	1834.730
415	265.73	5224.890	461.160
416	252.61	5985.020	129.180
418	253.40	5938.351	149.519
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
640	253.22	4792.669	4837.987
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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
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

Table A-1
Hydraulic Effectiveness Monitoring Wells

Well	M.P. Elev. (ft amsl)	Coordinates	
		Northing	Easting
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

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	Area of Concern/ OU	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
007	257.35	48.1	209.3	2.00	10.0	11/07/1979	Area A (OU5)	NA
010	270.76	53.8	217.0	2.00	15.0	04/16/1979	Area A (OU5)	Source
015	262.86	28.3	234.6	2.00	20.0	04/05/1979	Area A (OU5)	Source
016	254.91	51.1	203.8	4.00	10.0	10/03/1979	Area A (OU5)	D
032B	230.09	22.2	207.9	4.00	5.0	06/14/2011	Area D (OU4)	Source
046	267.59	19.2	248.4	4.00	10.0	11/07/1979	Area B (OU3)	Source
048	264.31	15.7	248.6	4.00	5.0	11/01/1979	SEQ (OU9)	Source
053	266.58	38.7	227.9	2.00	15.0	03/02/1979	Area C (OU6)	D
054	264.57	28.5	236.1	4.00	10.0	11/06/1979	Area C (OU6)	D
059	235.94	17.4	218.5	4.00	10.0	11/01/1979	B/330 (OU8)	U/S
060	235.68	46.4	189.3	4.00	10.0	11/01/1979	B/330 (OU8)	U/S
061	244.66	29.4	215.3	4.00	20.0	03/29/1979	B/330 (OU8)	U/S
064	259.23	18.2	241.0	4.00	10.0	03/10/1980	Area B (OU3)	D
065	258.76	43.5	215.3	4.00	10.0	03/18/1980	Area B (OU3)	D
066	229.84	11.0	218.8	4.00	5.0	03/11/1980	Area D (OU4)	U
067	234.42	14.7	219.7	2.00	10.0	03/11/1980	Area D (OU4)	U
068	233.85	23.1	210.8	4.00	15.0	03/19/1980	B/322 (OU7)	D
069	253.69	15.5	238.2	4.00	5.0	03/24/1980	Area C (OU6)	S
085	276.34	123.0	153.3	2.00	3.0	12/10/1980	BR (OU2)	NA
087	256.00	109.7	146.3	2.00	5.0	12/02/1980	BR (OU2)	NA
103	257.59	14.6	243.0	2.00	1.0	11/21/1980	Area A (OU5)	D
104	257.59	32.2	225.4	2.00	1.0	11/21/1980	Area A (OU5)	D
105	257.74	105.4	152.3	2.00	3.0	12/01/1980	BR (OU2)	NA
106	257.74	150.2	107.5	2.00	5.0	12/01/1980	BR (OU2)	NA
109	255.45	162.6	92.9	2.00	3.0	12/04/1980	BR (OU2)	NA
113	269.01	110.6	158.4	2.00	5.0	01/14/1981	BR (OU2)	NA
118	263.06	153.5	109.6	2.00	5.0	12/20/1980	Area A (OU5)	Source
143	251.08	145.9	105.2	2.00	3.0	12/09/1980	B/330+BR	U
146	253.90	147.7	106.2	2.00	5.0	01/20/1981	B/330+BR	U
151	241.06	18.4	222.7	2.00	1.0	11/17/1980	B/322 (OU7)	D
156	242.58	86.8	155.8	2.00	3.0	12/05/1980	BR (OU2)	NA
167	254.58	148.1	106.5	2.00	3.0	04/21/1981	BR (OU2)	NA
178	267.22	26.2	241.0	2.00	5.0	04/22/1981	B/330 (OU8)	D
181	248.88	18.1	230.8	4.00	5.0	04/26/1981	B/330 (OU8)	Source
204	252.79	12.9	239.9	2.00	10.0	06/14/1991	Area A (OU5)	U(B/322), D(AA)
502	259.26	35.9	223.4	2.00	10.0	12/23/1986	SEQ (OU9)	D
520	262.28	24.8	237.5	2.00	10.0	12/11/1986	SEQ (OU9)	D
521	262.24	34.9	227.3	2.00	5.0	03/17/1987	BR (OU2)	D
545	264.96	29.8	235.2	2.00	20.5	01/17/1987	SEQ (OU9)	D
559	282.75	83.5	199.3	2.00	10.0	05/05/1987	Area C (OU6)	Source
561	291.29	38.3	253.0	2.00	4.0	04/22/1987	Area C (OU6)	Source
563	285.63	130.0	155.6	2.00	15.0	04/28/1987	Area C+BR	U
564	289.59	94.5	195.1	2.00	5.0	04/21/1987	BR (OU2)	NA
571	286.39	15.0	271.4	2.00	4.0	03/17/1987	Area B (OU3)	U
572	251.13	16.6	234.5	2.00	5.0	04/13/1989	B/330 (OU8)	Source
574	269.09	32.6	236.5	2.00	5.0	10/19/1989	B/330 (OU8)	Source
576	265.95	19.9	246.1	2.00	5.0	12/17/1991	B/330 (OU8)	Source
577	230.42	223.3	7.1	2.00	20.0	12/22/1994	BR (OU2)	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 (OU7)	U

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	Area of Concern/ OU	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
581	267.23	28.9	238.3	2.00	5.0	06/20/1996	Area A (OU5)	U
600	265.91	19.9	246.0	2.00	10.0	11/01/1996	B/330 (OU8)	U/S
601	266.08	137.7	128.4	2.00	5.0	10/16/1996	B/330 (OU8)	S
602	253.38	22.5	230.9	2.00	10.0	10/30/1996	B/330 (OU8)	S
603	252.54	26.0	226.5	2.00	10.0	10/31/1996	B/330 (OU8)	U
604	252.66	139.4	113.3	2.00	10.0	10/18/1996	B/330 (OU8)	U
607	253.77	118.9	134.9	2.00	20.0	12/06/1996	B/330+BR	Source
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	250.78	216.6	34.2	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 (OU7)	D
613	249.02	33.6	215.4	4.00	15.2	12/03/1997	B/322 (OU7)	D
617	248.91	40.4	208.5	4.00	15.0	08/12/1998	B/322 (OU7)	D
618	239.17	32.5	206.7	4.00	15.0	08/11/1998	B/322 (OU7)	D
622	268.08	218.3	49.8	2.00	20.1	02/10/1999	B/330+BR	D
623	246.74	338.7	-92.0	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 (OU7)	U(B/322), D(AA)
628	267.42	64.2	203.2	4.00	40.0	04/12/2001	Area B (OU3)	Source
640	253.22	20.2	233.0	2.00	10.0	12/08/2009	B/330 (OU8)	D
701	248.83	20.0	228.8	2.00	5.0	12/04/1986	Area A (OU5)	D
702	255.09	17.7	237.4	2.00	5.0	12/05/1986	Area A (OU5)	D
706	259.92	45.4	214.5	2.00	10.0	11/22/1986	Area A (OU5)	D
711	263.69	349.3	-85.6	6.00	OPEN HOLE	10/15/1986	BR (OU2)	NA
714	266.26	37.4	228.9	2.00	10.0	11/28/1986	Area A (OU5)	Source
716	272.14	171.2	100.9	4.00	20.0	10/20/1986	BR (OU2)	NA
720	275.43	53.1	222.3	2.00	22.5	01/07/1987	Area A (OU5)	U
722	260.15	350.6	-90.5	6.00	OPEN HOLE	10/03/1986	BR (OU2)	NA
732	265.17	248.0	17.2	4.00	80.0	10/28/1986	Area A (OU5)	D
734	261.79	219.7	42.1	2.00	30.0	11/05/1986	Area A (OU5)	D
735	261.06	25.5	235.6	2.00	10.0	12/11/1986	B/322 (OU7)	Source
737	261.20	192.2	69.0	2.00	30.0	07/07/1987	B/322+BR	Source
739	261.35	214.4	47.0	4.00	40.0	10/26/1986	BR (OU2)	NA
740	260.62	25.3	235.3	2.00	10.0	12/06/1986	B/322 (OU7)	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 (OU7)	U/S
744	254.46	28.7	225.8	2.00	5.0	08/18/1987	Area A (OU5)	U
745	254.47	14.4	240.1	2.00	5.0	08/19/1987	Area A (OU5)	U
751	254.24	13.4	240.8	4.00	6.0	07/23/1987	Area A (OU5)	D
753	248.38	13.1	235.3	4.00	3.6	07/27/1987	Area A (OU5)	D
754	249.19	22.8	226.4	4.00	15.0	07/17/1987	B/322 (OU7)	D/S
755	238.91	23.2	215.7	4.00	16.0	07/17/1987	B/322 (OU7)	D/S
756	252.61	20.0	232.6	4.00	12.0	07/09/1987	B/330 (OU8)	D
757	234.36	20.3	214.1	2.00	10.0	09/25/1987	Area D (OU4)	Source
761	264.13	32.6	231.5	2.00	10.0	11/09/1990	Area A (OU5)	U
763	268.68	49.7	219.0	2.00	5.0	10/12/1990	Area A (OU5)	U
766	258.99	25.6	233.4	2.00	5.0	10/24/1990	B/322 (OU7)	Source
767	252.26	18.4	233.9	2.00	10.0	11/20/1990	B/322 (OU7)	Source
768	253.31	22.8	230.5	2.00	10.0	10/19/1990	B/322 (OU7)	D
769	256.86	26.9	230.0	2.00	10.0	10/22/1990	B/322 (OU7)	D

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	Area of Concern/ OU	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
771	252.32	18.7	233.6	2.00	5.0	10/18/1990	B/322 (OU7)	D
772	241.83	18.8	223.0	2.00	10.0	11/20/1990	B/322 (OU7)	D
773	248.26	28.9	219.4	2.00	10.0	11/19/1990	B/322 (OU7)	D
774	244.92	30.1	214.8	2.00	10.0	10/23/1990	B/322 (OU7)	D
775	244.65	30.4	214.3	2.00	10.0	11/16/1990	B/322 (OU7)	D
777	276.03	130.5	145.5	2.00	10.0	12/21/1990	BR (OU2)	NA
779	263.34	233.0	30.3	2.00	10.0	12/21/1990	BR (OU2)	NA
789	242.66	21.3	221.4	2.00	10.0	05/09/1991	B/322 (OU7)	D
791	243.35	22.5	220.9	2.00	10.0	05/02/1991	B/322 (OU7)	D
792	243.01	20.9	222.1	2.00	10.0	06/04/1991	B/322 (OU7)	D
793	248.89	29.5	219.4	2.00	10.0	06/11/1991	B/322 (OU7)	D
832	281.62	30.4	251.2	2.00	5.0	03/23/1982	Area B (OU3)	U
857	261.41	110.1	151.3	4.00	3.0	06/28/1982	BR (OU2)	NA
858	260.85	159.0	101.9	4.00	5.0	06/25/1982	BR (OU2)	NA
921	262.48	86.2	176.3	3.75	10.0	03/27/1984	B/330 (OU8)	D
922	262.71	116.6	146.1	3.75	10.0	04/24/1984	B/330 (OU8)	D
923	262.76	160.9	101.9	2.00	10.0	04/04/1984	B/330 (OU8)	D
929	252.16	152.9	99.3	2.00	10.0	06/14/1984	B/330 (OU8)	U
931	252.10	151.5	100.6	3.75	10.0	05/23/1984	B/330 (OU8)	S
932	267.11	172.8	94.3	4.00	20.0	05/24/1984	Area C+BR	D
941	254.52	134.1	120.4	4.00	20.0	12/08/1984	B/330 (OU8)	D
943	254.23	144.1	110.1	4.00	20.0	01/09/1985	Area C+BR	D
944	254.11	71.9	182.2	4.00	20.0	01/14/1985	Area C (OU6)	D
952	245.34	198.0	47.3	4.00	40.0	02/01/1985	B/322+BR	NA
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 (OU8)	U
956	268.23	107.7	160.5	4.00	10.0	02/18/1985	B/330 (OU8)	U
958	266.66	106.4	160.3	4.00	20.0	02/20/1986	BR (OU2)	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 (OU2)	NA
964	264.55	95.3	169.3	2.00	10.0	03/01/1985	BR (OU2)	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 (OU9)	D
990	260.08	20.8	239.3	4.00	5.0	08/06/1986	SEQ (OU9)	D
998	258.02	21.8	236.2	2.00	5.0	07/27/1987	Area A (OU5)	D
999	257.25	52.9	204.4	2.00	10.0	07/23/1987	Area A (OU5)	D

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	Area of Concern/ OU	Upgradient (U), Downgradient (D), Sidegradient (S), or Source
PW-1	262.24	541	-278.8	12.0	OPEN HOLE	1962	BR (OU2)	NA
PW-2	255.34	277.5	-22.2	12.0	OPEN HOLE	1963	BR (OU2)	NA
PW-4	248.73	265	-16.3	8.0	40.0	1968	BR (OU2)	NA
PW-5	241.88	542	-300.1	10.0	OPEN HOLE	1970	BR (OU2)	NA
PW-5A	242.01	522	-280.0	12.0	425.7	1984	BR (OU2)	NA
PW-6	244.19	439	-194.8	12.0	OPEN HOLE	1979	BR (OU2)	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 (OU2)	NA
PW-23	267.03	48.0	219.0	6.00	OPEN HOLE	03/03/1987	SEQ (OU9)	Source
PW-25	250.53	432.3	-181.8	10.0	91.1	06/15/2000	B/330+BR	NA

Key:

Area A = Area A (OU5)
Area B = Area B (OU3)
Area C = Landfill (OU6)
Area D = Area D (OU4)
B/322 = Building 322 (OU7)
B/330 = Building 330 (OU8)
BR = Bedrock (OU2)
SEQ = Southeast Quadrant (OU9)
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)
* =PW5/5A, PW-6, PW-7, PW-9 and GW613 are sampled only when in use. GW613 is B/322 extraction system backup. PW5/5A, PW-6, PW-7, PW-9 pumped for water supply emergencies only.

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

Well	Area of Concern/OU	Inorganics[&]	VOC Frequency	Monitoring Category				
				CAM	PCT	CRM	POC	AM
007	Area A (OU5)	Cr	A					X
010	Area A (OU5)	Cr	S	X		X		
015	Area A (OU5)	Cr, TF	S	X				
016	Area A (OU5)		S	X		X		
032B	Area D (OU4)		M	X	X	X		
046	Area B (OU3)		S	X				
048	SEQ (OU9)		Q	X				
053	Area C (OU6)		S	X				
054	Area C (OU6)		S	X				
059	B/330 (OU8)		A					X
060	B/330 (OU8)		A					X
061	B/330 (OU8)		A					X
064	Area B (OU3)		Q	X			X	
065	Area B (OU3)		Q	X			X	
066	Area D (OU4)		Q	X			X	
067	Area D (OU4)		Q	X			X	
068	B/322 (OU7)	As	Q	X				
069	Area C (OU6)		A					X
085	BR (OU2)		S	X				
087	BR (OU2)		S	X				
103	Area A (OU5)		S	X		X		
104	Area A (OU5)	Cr	S	X		X		
105	BR (OU2)		S	X		X		
106	BR (OU2)		A					X
109	BR (OU2)		S	X				
113	BR (OU2)		S	X				
118	Area A (OU5)		A					X
143	B/330+BR		A					X
146	B/330+BR		A					X
151	B/322 (OU7)		S	X				
156	BR (OU2)		S	X				
167	BR (OU2)		S	X				
178	B/330 (OU8)		A					X
181	B/330 (OU8)		S	X				
204	Area A (OU5)	Cr	A					X
360/COMB	B/322 (OU7)		M		X	X		
502	SEQ (OU9)		A					X
520	SEQ (OU9)		S	X				
521	BR (OU2)		S	X				
545	SEQ (OU9)		S	X				
559	Area C (OU6)		S	X				
561	Area C (OU6)		S	X				
563	Area C+BR		S	X				
564	BR (OU2)		S	X				
571	Area B (OU3)		A					X

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

Well	Area of Concern/OU	Inorganics[&]	VOC Frequency	Monitoring Category				
				CAM	PCT	CRM	POC	AM
572	B/330 (OU8)		A					X
574	B/330 (OU8)		A					X
576	B/330 (OU8)		S	X				
577	BR (OU2)		S	X				
579	B/322+BR		A					X
580	B/322 (OU7)	Cr, TF	A					X
581	Area A (OU5)	Cr	A					X
600	B/330 (OU8)		A					X
601	B/330 (OU8)		S	X				
602	B/330 (OU8)		A					X
603	B/330 (OU8)		A					X
604	B/330 (OU8)		A					X
607	B/330+BR		S	X				
609	B/330+BR		S	X				
610	B/330+BR		S	X				
611	B/330+BR		A					X
612	B/322 (OU7)		M	X	X	X		
[#]613	B/322 (OU7)		M	X	X	X		
617	B/322 (OU7)		M	X	X	X		
618	B/322 (OU7)		M	X				
622	B/330+BR		S	X				
623	B/330+BR		S	X				
624	B/330+BR		S	X				
627	B/322 (OU7)	As, Ni, TF	A					X
628	Area B (OU3)		M	X	X	X		
628 GAC	Area B (OU3)		M		X	X		
640	B/330 (OU8)		S	X				
701	Area A (OU5)	Cr	A					X
702	Area A (OU5)		S	X				
706	Area A (OU5)	TF	S	X				
711	BR (OU2)		A					X
714	Area A (OU5)		S	X		X		
716	BR (OU2)		S	X		X		
720	Area A (OU5)		S	X				
722	BR (OU2)		A					X
732	Area A (OU5)		S	X				
734	Area A (OU5)		S	X				
735	B/322 (OU7)	As, TF	S	X				
737	B/322+BR		S	X				
739	BR (OU2)		A					X
740	B/322 (OU7)	Cr, TF	A	X				
742	B/322+BR		S	X				
743	B/322 (OU7)		A					X
744	Area A (OU5)		S	X				
745	Area A (OU5)		A					X

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

Well	Area of Concern/OU	Inorganics[&]	VOC Frequency	Monitoring Category				
				CAM	PCT	CRM	POC	AM
751	Area A (OU5)		A					X
753	Area A (OU5)		A					X
754	B/322 (OU7)	Cr	A					X
755	B/322 (OU7)		S	X				
756	B/330 (OU8)		A					X
757	Area D (OU4)		S	X				
761	Area A (OU5)	Cr	A					X
763	Area A (OU5)	Cr	A					X
766	B/322 (OU7)	As, Cr, Ni, TF	S	X				
767	B/322 (OU7)	As, Cr, TF	S	X				
768	B/322 (OU7)	As, Cr, Ni, TF	S	X				
769	B/322 (OU7)	As, Cr, Ni, TF	S	X				
771	B/322 (OU7)	Cr	A					X
772	B/322 (OU7)	As, Cr, Ni	S	X				
773	B/322 (OU7)	Cr	A					X
774	B/322 (OU7)	Cr	S	X				
775	B/322 (OU7)	Cr	A					X
777	BR (OU2)		S	X				
779	BR (OU2)		S	X				
789	B/322 (OU7)	Cr	A					X
791	B/322 (OU7)	Cr	A					X
792	B/322 (OU7)	As, Cr	A					X
793	B/322 (OU7)	As, Cr, Ni, TF	S	X				
832	Area B (OU3)		A					X
857	BR (OU2)		S	X				
858	BR (OU2)		S	X				
921	B/330 (OU8)		S	X				
922	B/330 (OU8)		S	X				
923	B/330 (OU8)		S	X				
929	B/330 (OU8)		S	X				
931	B/330 (OU8)		S	X				
932	Area C+BR		S	X				
941	B/330 (OU8)		S	X				
943	Area C+BR		S	X		X		
944	Area C (OU6)		S	X				
952	B/322+BR	As, Cr	S	X				
953	B/330+BR		S	X				
954	B/330 (OU8)		S	X				
956	B/330 (OU8)		S	X				
958	BR (OU2)		S	X				
959	B/322+BR	As	S	X				
960	B/322+BR	As	S	X				
963	BR (OU2)		S	X				
964	BR (OU2)		S	X				
965	B/330+BR		A					X

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

Well	Area of Concern/OU	Inorganics[&]	VOC Frequency	Monitoring Category				
				CAM	PCT	CRM	POC	AM
966	B/330+BR		S	X				
987	SEQ (OU9)		Q	X			X	
990	SEQ (OU9)		Q	X			X	
998	Area A (OU5)		S	X				
999	Area A (OU5)		S	X				
GACIN/316	BR (OU2)		M		X	X		
PW-1	BR (OU2)		M	X	X	X		
PW-2	BR (OU2)		M	X	X	X		
PW-4	BR (OU2)		M	X	X	X		
PW-5A*	BR (OU2)		M					
PW-6*	BR (OU2)		M					
PW-7*	B/330+BR		M					
PW-9*	BR (OU2)		M					
PW-23	SEQ (OU9)		M	X	X			
PW-25	B/330+BR		M	X	X	X		
SUMP/B384	Area A (OU5)	Cr, TF (Monthly)	M	X	X	X		

Key:

Area A = Area A (OU5)
Area B = Area B (OU3)
Area C = Landfill (OU6)
Area D = Area D (OU4)
B/322 = Building 322 (OU7)
B/330 = Building 330 (OU8)
BR = Bedrock (OU2)
SEQ = Southeast Quadrant (OU9)

A = Annual
S = Semiannual
Q = Quarterly
M = Monthly

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

[&] Unfiltered and filtered metals, sampled annually unless noted. Total Fluoride (TF) will be unfiltered.

[#] Backup well, sampled only when in use.

*Sampled only when used for water supply emergency.

Appendix B

Quarterly Groundwater Elevation Data, 2015

IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
002	03/11/2015	249.85	04/13/2015	257.07	07/20/2015	249.81	10/05/2015	244.83
003	03/11/2015	249.60	04/13/2015	256.91	07/20/2015	249.51	10/05/2015	244.54
005	03/16/2015	250.36	04/13/2015	250.18	07/20/2015	247.61	10/06/2015	246.46
006	03/16/2015	250.07	04/13/2015	249.86	07/20/2015	247.32	10/06/2015	246.26
007	03/11/2015	247.45	04/13/2015	247.68	07/20/2015	246.47	10/05/2015	246.23
008	03/10/2015	244.71	04/13/2015	248.32	07/20/2015	243.51	10/06/2015	240.16
009	03/10/2015	244.08	04/13/2015	247.95	07/20/2015	242.94	10/06/2015	239.48
010	03/10/2015	226.03	04/13/2015	231.34	07/20/2015	227.85	10/06/2015	222.64
011	03/11/2015	253.65	04/14/2015	254.95	07/21/2015	254.12	10/06/2015	254.34
013	03/16/2015	219.47	04/14/2015	220.76	07/22/2015	219.37	10/06/2015	220.44
014	03/16/2015	201.10	04/14/2015	204.26	07/22/2015	204.38	10/06/2015	200.30
015	03/16/2015	246.00	04/14/2015	246.04	07/22/2015	244.84	10/06/2015	244.82
016	03/11/2015	219.75	04/13/2015	221.69	07/22/2015	220.15	10/06/2015	218.96
017	03/11/2015	245.32	04/13/2015	245.49	07/22/2015	244.58	10/06/2015	244.83
018	03/19/2015	188.19	04/14/2015	191.02	07/21/2015	191.71	10/07/2015	188.90
019	03/19/2015	246.12	04/14/2015	246.82	07/21/2015	246.08	10/07/2015	245.15
020	03/18/2015	222.21	04/14/2015	224.37	07/21/2015	222.83	10/07/2015	220.99
022	03/18/2015	241.93	04/14/2015	241.51	07/21/2015	239.92	10/07/2015	239.78
027	03/19/2015	119.10	04/13/2015	123.06	07/20/2015	138.47	10/05/2015	142.62
028	03/11/2015	114.16	04/13/2015	116.94	07/20/2015	132.99	10/05/2015	138.59
030	03/12/2015	227.03	04/13/2015	227.39	07/20/2015	223.82	10/05/2015	222.56
032B	03/12/2015	220.95	04/13/2015	221.09	07/20/2015	221.67	10/05/2015	226.85
035	03/13/2015	239.47	04/13/2015	240.85	07/21/2015	239.37	10/05/2015	237.55
038	03/09/2015	228.75	04/14/2015	228.84	07/21/2015	228.83	10/07/2015	228.84
039	03/09/2015	212.02	04/14/2015	219.29	07/21/2015	212.57	10/07/2015	212.26
044	03/11/2015	245.56	04/13/2015	245.87	07/20/2015	245.64	10/06/2015	245.64
046	03/11/2015	254.59	04/13/2015	260.68	07/20/2015	248.88	10/06/2015	250.38
048	03/13/2015	258.40	04/13/2015	258.31	07/20/2015	253.85	10/06/2015	256.82
049	03/13/2015	259.10	04/13/2015	259.14	07/20/2015	256.83	10/06/2015	257.25
050	03/13/2015	259.51	04/13/2015	259.49	07/20/2015	257.21	10/06/2015	257.64
053	03/19/2015	253.54	04/14/2015	253.14	07/21/2015	247.65	10/07/2015	245.84
054	03/16/2015	252.14	04/13/2015	252.14	07/20/2015	248.33	10/06/2015	246.91
059	03/18/2015	231.23	04/13/2015	230.91	07/20/2015	226.09	10/06/2015	226.36
060	03/18/2015	211.95	04/13/2015	213.40	07/20/2015	206.16	10/06/2015	204.27
061	03/11/2015	235.56	04/13/2015	236.29	07/20/2015	235.02	10/06/2015	234.75
062	03/19/2015	237.32	04/13/2015	242.29	07/20/2015	233.59	10/06/2015	229.40
063	03/19/2015	236.24	04/13/2015	237.60	07/20/2015	232.77	10/06/2015	231.42
064	03/16/2015	255.67	04/13/2015	255.43	07/20/2015	252.03	10/06/2015	249.73
065	03/16/2015	255.78	04/13/2015	255.41	07/20/2015	251.98	10/06/2015	249.72
066	03/12/2015	225.91	04/13/2015	225.29	07/20/2015	223.07	10/05/2015	223.92
067	03/12/2015	227.54	04/13/2015	227.01	07/20/2015	227.50	10/05/2015	227.95
068	03/12/2015	229.28	04/13/2015	229.27	07/20/2015	228.47	10/05/2015	228.59
069	03/16/2015	251.06	04/13/2015	250.92	07/20/2015	247.65	10/06/2015	247.32
075	03/11/2015	242.67	04/13/2015	243.99	07/20/2015	243.09	10/05/2015	242.44
085	03/16/2015	253.65	04/14/2015	253.62	07/20/2015	248.92	10/06/2015	244.56
086	03/16/2015	251.19	04/14/2015	251.68	07/20/2015	247.24	10/06/2015	246.16
087	03/16/2015	252.12	04/13/2015	247.23	07/20/2015	245.25	10/06/2015	243.78
088	03/16/2015	252.23	04/13/2015	247.10	07/20/2015	245.32	10/06/2015	244.00
091	03/13/2015	260.24	04/13/2015	260.00	07/20/2015	258.28	10/06/2015	258.12

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

IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
092	03/13/2015	260.26	04/13/2015	260.08	07/20/2015	258.32	10/06/2015	258.15
096	03/16/2015	248.64	04/13/2015	248.64	07/20/2015	246.20	10/05/2015	244.25
097	03/16/2015	245.14	04/13/2015	246.00	07/20/2015	245.87	10/05/2015	243.95
098	03/16/2015	247.37	04/13/2015	247.50	07/20/2015	244.94	10/05/2015	243.07
100	03/10/2015	246.32	04/13/2015	252.29	07/20/2015	244.95	10/05/2015	240.28
101	03/10/2015	245.54	04/13/2015	251.46	07/20/2015	244.25	10/05/2015	239.51
102	03/10/2015	246.30	04/13/2015	249.03	07/20/2015	247.55	10/05/2015	241.95
103	03/10/2015	248.15	04/13/2015	248.75	07/22/2015	247.63	10/06/2015	247.49
104	03/10/2015	227.94	04/13/2015	229.53	07/22/2015	228.14	10/06/2015	227.43
105	03/10/2015	222.76	04/13/2015	224.94	07/22/2015	222.93	10/06/2015	222.42
106	03/10/2015	212.90	04/13/2015	216.02	07/22/2015	213.02	10/06/2015	212.74
108	03/11/2015	221.97	04/14/2015	234.48	07/21/2015	229.98	10/06/2015	219.87
109	03/11/2015	219.51	04/14/2015	227.49	07/21/2015	222.12	10/06/2015	215.72
112	03/10/2015	265.65	04/13/2015	266.40	07/20/2015	263.41	10/06/2015	259.11
113	03/10/2015	FLOW	04/13/2015	FLOW	07/20/2015	267.49	10/06/2015	263.81
114	03/10/2015	267.39	04/13/2015	FLOW	07/20/2015	265.06	10/06/2015	262.38
118	03/16/2015	156.79	04/14/2015	160.92	07/22/2015	167.36	10/06/2015	166.83
121	03/11/2015	202.76	04/13/2015	209.53	07/20/2015	205.27	10/05/2015	202.50
122	03/11/2015	179.91	04/13/2015	186.75	07/20/2015	186.54	10/05/2015	184.41
129	03/09/2015	216.29	04/16/2015	216.97	07/20/2015	217.17	10/06/2015	216.37
130	03/09/2015	213.01	04/16/2015	214.60	07/20/2015	214.73	10/06/2015	213.19
143	03/09/2015	137.85	04/13/2015	148.44	07/20/2015	155.46	10/06/2015	143.71
145	03/16/2015	180.79	04/13/2015	185.66	07/20/2015	189.75	10/06/2015	182.96
146	03/16/2015	178.92	04/13/2015	183.79	07/20/2015	188.10	10/06/2015	181.29
147	03/12/2015	229.95	04/13/2015	229.71	07/20/2015	225.68	10/05/2015	DRY
150	03/12/2015	157.40	04/13/2015	161.65	07/20/2015	164.11	10/05/2015	164.10
151	03/13/2015	229.43	04/13/2015	229.78	07/20/2015	DRY	10/05/2015	228.73
156	03/11/2015	200.39	04/13/2015	206.50	07/20/2015	194.98	10/06/2015	190.88
157	03/11/2015	167.73	04/13/2015	170.54	07/20/2015	175.32	10/06/2015	171.05
158	03/11/2015	231.32	04/13/2015	236.85	07/20/2015	227.51	10/06/2015	DRY
161	03/11/2015	242.94	04/13/2015	244.43	07/20/2015	243.36	10/05/2015	242.45
164	03/18/2015	261.51	04/15/2015	259.27	07/22/2015	255.96	10/06/2015	255.65
165	03/18/2015	261.38	04/15/2015	259.31	07/22/2015	255.94	10/06/2015	255.45
166	03/19/2015	252.06	04/13/2015	252.25	07/20/2015	249.05	10/06/2015	246.20
167	03/19/2015	252.02	04/13/2015	252.08	07/20/2015	248.43	10/06/2015	245.42
168	03/11/2015	235.04	04/13/2015	237.80	07/20/2015	237.72	10/06/2015	230.28
169	03/11/2015	242.88	04/13/2015	241.97	07/20/2015	232.82	10/06/2015	225.71
170	03/12/2015	223.60	04/13/2015	223.21	07/20/2015	221.48	10/05/2015	220.87
178	03/09/2015	242.81	04/13/2015	248.86	07/21/2015	243.24	10/07/2015	DRY
180	03/09/2015	245.88	04/13/2015	247.94	07/21/2015	245.67	10/06/2015	245.03
181	03/09/2015	246.69	04/13/2015	246.42	07/21/2015	245.57	10/06/2015	245.33
182	03/20/2015	228.70	04/15/2015	228.14	07/20/2015	228.62	10/07/2015	228.86
183	03/20/2015	228.47	04/15/2015	227.99	07/20/2015	228.54	10/07/2015	228.80
185	03/20/2015	230.23	04/15/2015	229.10	07/20/2015	DRY	10/07/2015	DRY
186	03/20/2015	227.33	04/15/2015	226.20	07/20/2015	216.71	10/07/2015	DRY
191	03/20/2015	194.25	04/15/2015	195.03	07/20/2015	193.27	10/07/2015	190.50
192	03/20/2015	201.69	04/15/2015	204.28	07/20/2015	202.35	10/07/2015	192.48
200	03/11/2015	246.15	04/13/2015	248.27	07/20/2015	245.50	10/05/2015	241.21
204	03/09/2015	243.96	04/13/2015	245.10	07/21/2015	241.86	10/06/2015	DRY

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IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
224	03/11/2015	236.89	04/13/2015	238.29	07/20/2015	237.25	10/05/2015	235.76
226	03/13/2015	228.41	04/13/2015	228.40	07/20/2015	228.81	10/05/2015	228.72
227	03/13/2015	191.33	04/13/2015	191.53	07/20/2015	191.68	10/05/2015	191.47
400	03/24/2015	233.63	04/15/2015	233.00	07/20/2015	231.41	10/07/2015	DRY
401	03/24/2015	232.96	04/15/2015	232.78	07/20/2015	227.47	10/07/2015	221.42
402	03/24/2015	211.30	04/15/2015	215.74	07/20/2015	213.99	10/07/2015	188.72
403	03/24/2015	241.71	04/15/2015	241.66	07/20/2015	237.59	10/07/2015	235.61
404	03/24/2015	156.86	04/15/2015	159.25	07/20/2015	158.92	10/07/2015	157.80
405	03/24/2015	195.29	04/15/2015	199.22	07/20/2015	200.66	10/07/2015	195.55
407	03/24/2015	264.08	04/15/2015	264.49	07/20/2015	261.17	10/07/2015	257.23
415	03/24/2015	249.72	04/15/2015	249.34	07/20/2015	246.36	10/07/2015	244.48
416	03/24/2015	246.64	04/15/2015	246.13	07/20/2015	243.29	10/07/2015	240.98
418	03/24/2015	234.62	04/15/2015	236.45	07/20/2015	234.28	10/07/2015	231.38
500	03/16/2015	249.39	04/13/2015	249.22	07/20/2015	247.84	10/06/2015	246.73
501	03/19/2015	250.54	04/13/2015	250.61	07/20/2015	248.44	10/06/2015	245.94
502	03/19/2015	258.78	04/13/2015	258.00	07/20/2015	255.97	10/06/2015	256.24
503	03/19/2015	258.84	04/13/2015	258.49	07/20/2015	257.57	10/06/2015	256.68
504	03/19/2015	259.10	04/13/2015	258.61	07/20/2015	256.56	10/06/2015	256.73
505	03/19/2015	259.03	04/13/2015	258.41	07/20/2015	256.42	10/06/2015	256.54
506	03/16/2015	258.71	04/13/2015	258.42	07/20/2015	257.13	10/06/2015	256.64
507	03/16/2015	257.34	04/13/2015	258.59	07/20/2015	256.67	10/06/2015	256.78
508	03/16/2015	259.37	04/13/2015	258.55	07/20/2015	256.60	10/06/2015	256.77
509	03/16/2015	259.49	04/13/2015	258.71	07/20/2015	256.79	10/06/2015	256.90
510	03/16/2015	259.66	04/13/2015	258.89	07/20/2015	257.16	10/06/2015	257.07
511	03/16/2015	259.67	04/13/2015	258.89	07/20/2015	256.91	10/06/2015	256.85
512	03/19/2015	259.68	04/13/2015	259.38	07/20/2015	257.37	10/06/2015	257.63
513	03/19/2015	260.18	04/13/2015	259.81	07/20/2015	257.91	10/06/2015	257.69
514	03/16/2015	259.17	04/13/2015	258.78	07/20/2015	258.11	10/06/2015	257.91
515	03/16/2015	259.49	04/13/2015	258.69	07/20/2015	256.93	10/06/2015	256.93
516	03/16/2015	260.27	04/13/2015	259.66	07/20/2015	257.86	10/06/2015	257.53
517	03/16/2015	260.07	04/13/2015	259.43	07/20/2015	257.70	10/06/2015	257.46
518	03/16/2015	259.41	04/13/2015	259.50	07/20/2015	257.76	10/06/2015	257.05
519	03/19/2015	261.77	04/13/2015	260.96	07/20/2015	258.75	10/06/2015	258.21
520	03/17/2015	257.22	04/13/2015	256.80	07/20/2015	255.11	10/06/2015	255.48
521	03/17/2015	260.56	04/13/2015	259.24	07/20/2015	255.58	10/06/2015	255.69
522	03/17/2015	FLOW	04/13/2015	FLOW	07/20/2015	260.27	10/06/2015	255.67
523	03/18/2015	267.56	04/15/2015	265.24	07/22/2015	262.08	10/06/2015	260.64
524	03/18/2015	262.91	04/15/2015	265.47	07/22/2015	262.15	10/06/2015	260.70
525	03/18/2015	266.48	04/15/2015	264.78	07/22/2015	260.89	10/06/2015	259.55
526	03/13/2015	266.37	04/13/2015	264.74	07/20/2015	259.04	10/06/2015	258.75
527	03/13/2015	263.05	04/13/2015	263.27	07/20/2015	259.28	10/06/2015	259.03
528	03/13/2015	269.76	04/13/2015	FLOW	07/20/2015	269.64	10/06/2015	268.39
529	03/13/2015	FLOW	04/13/2015	FLOW	07/20/2015	FLOW	10/06/2015	268.07
530	03/13/2015	261.96	04/13/2015	262.13	07/20/2015	259.25	10/06/2015	258.38
531	03/13/2015	265.88	04/13/2015	FLOW	07/20/2015	FLOW	10/06/2015	262.25
532	03/13/2015	265.77	04/13/2015	FLOW	07/20/2015	FLOW	10/06/2015	264.37
533	03/13/2015	261.64	04/13/2015	261.69	07/20/2015	259.06	10/06/2015	257.76
534	03/13/2015	262.41	04/13/2015	262.68	07/20/2015	259.66	10/06/2015	258.17
535	03/17/2015	FLOW	04/13/2015	FLOW	07/20/2015	258.02	10/06/2015	260.79

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IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
536	03/13/2015	259.09	04/13/2015	259.07	07/20/2015	256.66	10/06/2015	257.06
537	03/13/2015	FLOW	04/13/2015	FLOW	07/20/2015	266.34	10/06/2015	260.07
538	03/13/2015	261.96	04/13/2015	266.34	07/20/2015	265.37	10/06/2015	258.37
539	03/13/2015	FLOW	04/13/2015	FLOW	07/20/2015	FLOW	10/06/2015	266.94
541	03/13/2015	269.41	04/13/2015	273.94	07/20/2015	261.93	10/06/2015	255.36
542	03/13/2015	269.65	04/13/2015	274.12	07/20/2015	261.99	10/06/2015	255.31
543	03/13/2015	257.13	04/13/2015	257.96	07/20/2015	254.65	10/06/2015	255.50
544	03/13/2015	257.45	04/13/2015	258.49	07/20/2015	254.67	10/06/2015	255.51
545	03/13/2015	257.13	04/13/2015	257.96	07/20/2015	254.91	10/06/2015	255.64
546	03/13/2015	266.33	04/13/2015	FLOW	07/20/2015	258.58	10/06/2015	255.41
547	03/13/2015	263.84	04/13/2015	264.24	07/20/2015	257.94	10/06/2015	256.18
548	03/13/2015	255.29	04/13/2015	255.31	07/20/2015	253.82	10/06/2015	256.77
549	03/13/2015	257.05	04/13/2015	257.54	07/20/2015	254.69	10/06/2015	255.97
550	03/13/2015	256.64	04/13/2015	257.93	07/20/2015	255.06	10/06/2015	255.79
551	03/13/2015	253.71	04/13/2015	252.27	07/20/2015	252.35	10/06/2015	256.64
553	03/13/2015	258.64	04/13/2015	258.46	07/20/2015	257.66	10/06/2015	257.59
554	03/13/2015	258.56	04/13/2015	258.43	07/20/2015	256.78	10/06/2015	257.43
556	03/13/2015	258.79	04/13/2015	258.68	07/20/2015	256.65	10/06/2015	257.28
557	03/13/2015	258.93	04/13/2015	258.99	07/20/2015	256.67	10/06/2015	257.10
558	03/13/2015	260.26	04/13/2015	266.11	07/20/2015	254.59	10/06/2015	249.93
559	03/13/2015	254.71	04/13/2015	258.21	07/20/2015	250.05	10/06/2015	246.51
560	03/13/2015	250.46	04/13/2015	254.88	07/20/2015	248.63	10/06/2015	245.58
561	03/13/2015	263.37	04/13/2015	267.94	07/20/2015	259.36	10/06/2015	255.32
562	03/13/2015	264.52	04/13/2015	267.59	07/20/2015	256.05	10/06/2015	251.07
563	03/13/2015	250.65	04/13/2015	252.72	07/20/2015	245.95	10/06/2015	243.63
564	03/18/2015	260.43	04/13/2015	265.19	07/20/2015	257.05	10/06/2015	250.95
565	03/18/2015	268.52	04/13/2015	268.09	07/20/2015	258.06	10/06/2015	253.39
566	03/18/2015	262.15	04/13/2015	261.09	07/20/2015	251.44	10/06/2015	246.75
567	03/11/2015	254.89	04/13/2015	260.90	07/20/2015	249.42	10/06/2015	250.07
568	03/11/2015	262.92	04/13/2015	266.64	07/20/2015	255.18	10/06/2015	256.70
569	03/11/2015	264.25	04/13/2015	269.36	07/20/2015	257.73	10/06/2015	254.55
570	03/11/2015	234.57	04/13/2015	242.40	07/20/2015	235.09	10/06/2015	230.59
571	03/18/2015	279.36	04/13/2015	278.58	07/20/2015	274.28	10/06/2015	DRY
572	03/19/2015	241.20	04/15/2015	241.20	07/21/2015	241.17	10/07/2015	240.74
574	03/18/2015	248.45	04/15/2015	250.80	07/21/2015	243.61	10/07/2015	237.50
576	03/09/2015	249.22	04/14/2015	251.65	07/21/2015	249.46	10/07/2015	249.30
577	03/12/2015	130.38	04/13/2015	132.78	07/20/2015	140.76	10/05/2015	143.78
578	03/11/2015	165.80	04/13/2015	172.91	07/20/2015	176.46	10/05/2015	174.59
579	03/09/2015	135.52	04/14/2015	141.67	07/21/2015	149.31	10/06/2015	149.60
580	03/09/2015	242.18	04/13/2015	243.09	07/21/2015	242.46	10/06/2015	242.32
581	03/10/2015	247.36	04/13/2015	253.30	07/20/2015	245.70	10/05/2015	240.81
600	03/09/2015	246.53	04/14/2015	249.85	07/21/2015	246.69	10/07/2015	246.30
601	03/09/2015	214.90	04/14/2015	226.38	07/21/2015	213.62	10/07/2015	215.69
602	03/09/2015	246.87	04/13/2015	247.89	07/21/2015	246.50	10/06/2015	247.96
603	03/11/2015	245.79	04/13/2015	244.96	07/20/2015	240.84	10/06/2015	239.19
604	03/11/2015	164.24	04/13/2015	168.68	07/20/2015	175.58	10/06/2015	168.89
605	03/18/2015	136.97	04/13/2015	146.69	07/20/2015	154.77	10/06/2015	143.29
606	03/09/2015	115.15	04/14/2015	124.74	07/21/2015	128.70	10/06/2015	136.19
607	03/18/2015	156.45	04/13/2015	161.20	07/21/2015	169.19	10/06/2015	162.10

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IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
608	03/09/2015	194.54	04/14/2015	206.96	07/21/2015	203.05	10/06/2015	196.59
609	03/18/2015	113.39	04/14/2015	123.07	07/21/2015	125.94	10/06/2015	135.22
610	03/18/2015	132.42	04/14/2015	144.64	07/21/2015	148.27	10/07/2015	140.78
611	03/09/2015	147.16	04/14/2015	161.31	07/21/2015	162.43	10/07/2015	154.54
612	03/19/2015	233.03	04/13/2015	225.88	07/20/2015	225.92	10/05/2015	232.41
613	03/13/2015	229.77	04/13/2015	230.18	07/20/2015	228.74	10/05/2015	230.93
614	03/12/2015	224.06	04/13/2015	225.37	07/20/2015	224.78	10/05/2015	226.54
615	03/12/2015	224.82	04/13/2015	227.65	07/20/2015	225.13	10/05/2015	226.76
616	03/12/2015	225.02	04/13/2015	225.88	07/20/2015	225.24	10/05/2015	226.83
617	03/13/2015	229.74	04/13/2015	223.45	07/20/2015	223.47	10/05/2015	231.10
618	03/13/2015	229.65	04/13/2015	229.20	07/20/2015	228.37	10/05/2015	228.48
619	03/11/2015	254.66	04/13/2015	260.68	07/20/2015	248.36	10/06/2015	250.40
620	03/11/2015	230.32	04/13/2015	231.06	07/20/2015	230.48	10/05/2015	230.03
621	03/19/2015	245.67	04/13/2015	244.33	07/21/2015	242.92	10/06/2015	243.08
622	03/11/2015	213.88	04/14/2015	213.63	07/21/2015	209.58	10/06/2015	203.59
623	03/09/2015	128.90	04/13/2015	145.77	07/21/2015	143.63	10/07/2015	135.38
624	03/09/2015	135.89	04/14/2015	145.43	07/21/2015	148.70	10/06/2015	147.56
626	03/18/2015	263.66	04/15/2015	262.41	07/22/2015	258.85	10/06/2015	258.21
627	03/09/2015	245.59	04/13/2015	246.05	07/21/2015	245.47	10/06/2015	DRY
640	03/09/2015	240.82	04/13/2015	241.09	07/20/2015	239.90	10/06/2015	239.80
700	03/11/2015	238.98	04/14/2015	239.65	07/21/2015	237.98	10/06/2015	237.67
701	03/11/2015	238.72	04/14/2015	239.35	07/21/2015	237.68	10/06/2015	237.33
702	03/11/2015	245.76	04/14/2015	245.63	07/21/2015	244.85	10/06/2015	244.80
703	03/11/2015	237.77	04/14/2015	240.41	07/21/2015	233.86	10/06/2015	231.13
704	03/11/2015	195.18	04/14/2015	203.35	07/21/2015	199.32	10/06/2015	198.22
705	03/16/2015	244.16	04/13/2015	244.90	07/20/2015	246.03	10/06/2015	245.86
706	03/16/2015	237.90	04/13/2015	238.47	07/20/2015	236.56	10/06/2015	235.07
707	03/10/2015	240.61	04/15/2015	242.74	07/20/2015	242.07	10/06/2015	239.76
708	03/10/2015	236.10	04/15/2015	237.78	07/20/2015	235.81	10/06/2015	234.16
709	03/10/2015	243.40	04/13/2015	246.68	07/20/2015	242.80	10/06/2015	240.43
710	03/10/2015	243.22	04/13/2015	246.40	07/20/2015	242.21	10/06/2015	239.11
711	03/10/2015	237.89	04/13/2015	241.64	07/20/2015	237.63	10/06/2015	234.02
712	03/10/2015	DRY	04/13/2015	258.15	07/21/2015	251.14	10/06/2015	DRY
714	03/10/2015	232.59	04/13/2015	237.42	07/20/2015	233.07	10/06/2015	DRY
716	03/10/2015	161.10	04/13/2015	164.14	07/20/2015	170.32	10/05/2015	170.82
717	03/16/2015	248.69	04/13/2015	248.69	07/20/2015	246.18	10/05/2015	244.07
718	03/16/2015	248.92	04/13/2015	248.76	07/20/2015	245.94	10/05/2015	243.65
719	03/16/2015	249.29	04/13/2015	249.20	07/20/2015	246.41	10/05/2015	243.72
720	03/16/2015	248.94	04/13/2015	248.57	07/20/2015	245.89	10/05/2015	243.52
721	03/12/2015	249.88	04/13/2015	250.73	07/20/2015	246.25	10/05/2015	242.97
722	03/12/2015	242.98	04/13/2015	246.76	07/20/2015	240.61	10/05/2015	236.67
723	03/12/2015	250.69	04/13/2015	252.31	07/20/2015	246.65	10/05/2015	243.05
724	03/12/2015	250.46	04/13/2015	252.39	07/20/2015	246.46	10/05/2015	242.86
725	03/12/2015	251.43	04/13/2015	252.77	07/20/2015	248.28	10/05/2015	245.34
726	03/12/2015	251.52	04/13/2015	252.88	07/20/2015	248.31	10/05/2015	245.06
727	03/12/2015	251.28	04/13/2015	252.64	07/20/2015	248.15	10/05/2015	245.26
728	03/12/2015	249.54	04/13/2015	250.45	07/20/2015	247.38	10/05/2015	245.40
729	03/12/2015	249.39	04/13/2015	250.59	07/20/2015	247.49	10/05/2015	245.58
730	03/12/2015	235.24	04/13/2015	238.18	07/20/2015	234.95	10/05/2015	233.27

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IBM East Fishkill

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	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
732	03/11/2015	136.68	04/13/2015	142.11	07/21/2015	147.80	10/06/2015	150.15
734	03/19/2015	130.05	04/13/2015	137.17	07/21/2015	138.97	10/06/2015	141.15
735	03/09/2015	241.48	04/13/2015	243.38	07/21/2015	242.18	10/06/2015	240.73
737	03/09/2015	131.75	04/13/2015	137.13	07/21/2015	145.70	10/06/2015	147.61
739	03/19/2015	128.37	04/22/2015	135.15	07/20/2015	145.24	10/07/2015	148.95
740	03/09/2015	DRY	04/13/2015	237.72	07/20/2015	237.16	10/06/2015	DRY
742	03/09/2015	127.14	04/13/2015	133.01	07/20/2015	144.52	10/06/2015	146.69
743	03/19/2015	248.19	04/22/2015	DRY	07/20/2015	247.99	10/07/2015	243.29
744	03/11/2015	246.32	04/13/2015	247.50	07/20/2015	245.54	10/05/2015	244.44
745	03/11/2015	247.54	04/13/2015	247.40	07/20/2015	246.57	10/05/2015	246.77
746	03/11/2015	244.98	04/13/2015	245.72	07/20/2015	243.93	10/05/2015	243.86
747	03/10/2015	248.28	04/13/2015	252.63	07/20/2015	246.22	10/05/2015	242.86
748	03/10/2015	240.22	04/13/2015	246.18	07/20/2015	240.47	10/06/2015	236.28
749	03/12/2015	251.22	04/14/2015	251.35	07/20/2015	250.13	10/05/2015	250.14
750	03/12/2015	249.19	04/13/2015	250.04	07/20/2015	247.23	10/05/2015	245.43
751	03/12/2015	243.75	04/14/2015	242.49	07/21/2015	241.46	10/07/2015	242.31
752	03/12/2015	244.86	04/14/2015	245.15	07/21/2015	244.57	10/07/2015	DRY
753	03/12/2015	239.59	04/14/2015	237.75	07/21/2015	236.64	10/07/2015	236.42
754	03/12/2015	235.68	04/13/2015	235.94	07/20/2015	235.58	10/05/2015	235.03
755	03/26/2015	232.72	04/13/2015	231.22	07/20/2015	228.77	10/05/2015	229.15
756	03/12/2015	DRY	04/13/2015	247.99	07/21/2015	232.83	10/06/2015	232.80
757	03/12/2015	225.23	04/13/2015	226.11	07/20/2015	225.29	10/05/2015	226.77
758	03/10/2015	254.01	04/13/2015	254.18	07/20/2015	253.63	10/06/2015	253.53
759	03/10/2015	240.16	04/13/2015	242.50	07/20/2015	239.59	10/06/2015	237.08
760	03/26/2015	239.40	04/13/2015	239.81	07/20/2015	236.95	10/06/2015	234.43
761	03/10/2015	247.57	04/13/2015	251.63	07/21/2015	245.79	10/06/2015	242.25
763	03/10/2015	231.61	04/13/2015	236.78	07/20/2015	232.96	10/06/2015	227.74
766	03/09/2015	236.73	04/14/2015	237.43	07/20/2015	237.35	10/06/2015	236.77
767	03/09/2015	236.99	04/14/2015	237.48	07/21/2015	237.36	10/06/2015	236.70
768	03/09/2015	236.24	04/14/2015	236.88	07/21/2015	237.03	10/06/2015	236.28
769	03/09/2015	235.62	04/13/2015	236.58	07/20/2015	236.23	10/06/2015	235.46
770	03/09/2015	DRY	04/14/2015	236.15	07/21/2015	236.07	10/06/2015	236.48
771	03/09/2015	235.20	04/14/2015	236.33	07/21/2015	236.17	10/06/2015	235.05
772	03/09/2015	230.59	04/14/2015	231.97	07/21/2015	231.35	10/06/2015	231.05
773	03/13/2015	231.92	04/13/2015	232.44	07/20/2015	231.66	10/05/2015	232.06
774	03/09/2015	229.80	04/14/2015	231.82	07/20/2015	230.99	10/06/2015	229.94
775	03/09/2015	228.67	04/14/2015	229.65	07/20/2015	231.67	10/06/2015	229.28
776	03/11/2015	232.17	04/13/2015	235.17	07/20/2015	236.38	10/05/2015	233.14
777	03/11/2015	246.88	04/13/2015	254.59	07/20/2015	244.99	10/05/2015	239.39
779	03/11/2015	136.16	04/13/2015	141.70	07/20/2015	149.26	10/05/2015	151.53
782	03/12/2015	225.33	04/15/2015	226.64	07/21/2015	230.33	10/07/2015	226.11
783	03/11/2015	195.78	04/13/2015	202.38	07/20/2015	190.57	10/06/2015	186.62
789	03/09/2015	230.82	04/14/2015	232.39	07/20/2015	230.89	10/06/2015	230.39
791	03/09/2015	228.99	04/14/2015	229.54	07/20/2015	229.74	10/06/2015	229.48
792	03/19/2015	226.39	04/14/2015	230.31	07/21/2015	229.11	10/06/2015	226.92
793	03/09/2015	227.20	04/14/2015	227.69	07/21/2015	227.82	10/06/2015	227.35
799	03/11/2015	209.76	04/13/2015	214.16	07/21/2015	205.30	10/06/2015	204.44
816	03/11/2015	243.46	04/14/2015	247.00	07/21/2015	243.77	10/06/2015	242.85
818	03/11/2015	247.67	04/14/2015	248.18	07/21/2015	246.11	10/06/2015	246.17

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Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
819	03/11/2015	251.03	04/14/2015	252.46	07/21/2015	251.05	10/06/2015	250.68
820	03/16/2015	248.57	04/14/2015	251.34	07/22/2015	249.14	10/06/2015	247.98
821	03/16/2015	249.01	04/14/2015	250.92	07/22/2015	247.81	10/06/2015	247.76
822	03/16/2015	246.00	04/14/2015	246.04	07/22/2015	244.77	10/06/2015	244.93
823	03/16/2015	246.15	04/14/2015	246.32	07/20/2015	245.04	10/06/2015	245.62
824	03/16/2015	247.10	04/14/2015	247.52	07/20/2015	246.10	10/07/2015	246.15
826	03/11/2015	247.81	04/15/2015	255.64	07/21/2015	251.11	10/07/2015	258.09
827	03/11/2015	253.60	04/14/2015	254.78	07/21/2015	253.86	10/06/2015	254.15
830	03/11/2015	255.39	04/13/2015	262.28	07/20/2015	248.78	10/06/2015	247.90
831	03/11/2015	248.10	04/13/2015	255.02	07/20/2015	244.16	10/06/2015	240.63
832	03/18/2015	264.38	04/13/2015	263.34	07/20/2015	256.39	10/06/2015	255.55
833	03/18/2015	277.77	04/13/2015	275.52	07/20/2015	269.87	10/06/2015	251.26
835	03/18/2015	278.04	04/13/2015	276.81	07/20/2015	267.44	10/06/2015	262.10
836	03/18/2015	272.58	04/13/2015	271.24	07/20/2015	261.48	10/06/2015	256.46
837	03/13/2015	273.12	04/13/2015	276.83	07/20/2015	267.84	10/06/2015	DRY
838	03/19/2015	258.11	04/13/2015	257.76	07/20/2015	DRY	10/06/2015	DRY
839	03/13/2015	226.02	04/13/2015	226.94	07/20/2015	225.69	10/05/2015	226.85
855	03/18/2015	263.64	04/15/2015	261.76	07/22/2015	257.74	10/06/2015	257.48
856	03/18/2015	264.61	04/15/2015	263.15	07/22/2015	259.05	10/06/2015	258.45
857	03/17/2015	FLOW	04/13/2015	FLOW	07/20/2015	259.71	10/06/2015	254.77
858	03/17/2015	FLOW	04/13/2015	FLOW	07/20/2015	256.85	10/06/2015	254.08
859	03/23/2015	256.86	04/13/2015	256.72	07/20/2015	255.99	10/06/2015	255.09
860	03/23/2015	256.60	04/13/2015	256.44	07/20/2015	255.62	10/06/2015	254.78
861	03/23/2015	261.18	04/13/2015	255.77	07/20/2015	251.02	10/06/2015	247.94
862	03/23/2015	254.94	04/13/2015	254.22	07/20/2015	249.89	10/06/2015	247.02
863	03/11/2015	254.55	04/13/2015	260.46	07/20/2015	248.51	10/06/2015	250.27
864	03/11/2015	248.13	04/14/2015	249.61	07/21/2015	248.28	10/06/2015	248.23
895	03/16/2015	260.04	04/13/2015	259.54	07/20/2015	257.58	10/06/2015	257.40
896	03/16/2015	260.32	04/13/2015	259.64	07/20/2015	257.60	10/06/2015	257.34
897	03/13/2015	265.83	04/13/2015	267.47	07/20/2015	265.21	10/06/2015	261.78
898	03/13/2015	267.77	04/13/2015	268.47	07/20/2015	268.43	10/06/2015	267.06
899	03/13/2015	267.40	04/13/2015	273.06	07/20/2015	264.02	10/06/2015	254.22
900	03/13/2015	269.36	04/13/2015	270.06	07/20/2015	270.26	10/06/2015	268.67
902	03/19/2015	257.96	04/13/2015	258.04	07/20/2015	256.69	10/06/2015	256.28
903	03/19/2015	258.45	04/13/2015	258.26	07/20/2015	257.34	10/06/2015	256.96
910	03/12/2015	250.52	04/13/2015	252.29	07/20/2015	246.52	10/05/2015	242.92
921	03/19/2015	248.71	04/14/2015	250.76	07/21/2015	243.32	10/07/2015	238.33
922	03/19/2015	245.08	04/14/2015	251.82	07/21/2015	228.55	10/07/2015	225.79
923	03/19/2015	226.11	04/14/2015	226.85	07/21/2015	221.48	10/07/2015	216.14
924	03/19/2015	253.15	04/14/2015	252.90	07/21/2015	248.25	10/07/2015	251.46
928	03/09/2015	DRY	04/13/2015	155.44	07/21/2015	164.78	10/06/2015	159.96
929	03/09/2015	152.53	04/13/2015	157.17	07/21/2015	165.43	10/06/2015	159.32
930	03/09/2015	163.49	04/13/2015	168.23	07/20/2015	175.19	10/06/2015	168.94
931	03/09/2015	162.18	04/13/2015	167.23	07/20/2015	174.00	10/06/2015	167.57
932	03/19/2015	253.78	04/14/2015	253.32	07/21/2015	247.43	10/07/2015	245.12
934	03/12/2015	240.79	04/14/2015	239.03	07/21/2015	238.58	10/07/2015	239.06
935	03/09/2015	193.38	04/13/2015	212.99	07/21/2015	202.71	10/06/2015	196.24
936	03/09/2015	190.93	04/13/2015	209.94	07/21/2015	200.51	10/07/2015	193.85
941	03/09/2015	145.04	04/13/2015	153.89	07/20/2015	160.84	10/06/2015	151.41

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

IBM East Fishkill

Groundwater Elevation Data: January through December 2015

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Well	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**	**Date**	**Elev.**
943	03/16/2015	245.36	04/13/2015	245.92	07/20/2015	241.20	10/06/2015	238.25
944	03/16/2015	249.82	04/13/2015	250.01	07/20/2015	244.74	10/06/2015	242.01
946	03/09/2015	225.76	04/14/2015	225.73	07/21/2015	225.79	10/06/2015	225.76
947	03/09/2015	227.63	04/14/2015	228.28	07/21/2015	228.26	10/06/2015	227.78
948	03/09/2015	226.40	04/14/2015	226.94	07/21/2015	226.98	10/06/2015	226.57
949	03/09/2015	231.58	04/14/2015	232.31	07/20/2015	231.15	10/06/2015	230.85
952	03/19/2015	140.52	04/14/2015	145.71	07/21/2015	151.72	10/06/2015	151.01
953	03/09/2015	137.74	04/13/2015	152.08	07/20/2015	153.94	10/06/2015	141.08
954	03/09/2015	227.28	04/14/2015	234.21	07/21/2015	230.73	10/07/2015	226.60
955	03/09/2015	239.81	04/14/2015	248.83	07/21/2015	242.76	10/07/2015	237.92
956	03/09/2015	234.92	04/14/2015	245.55	07/21/2015	238.96	10/07/2015	233.48
957	03/09/2015	244.50	04/14/2015	249.86	07/21/2015	246.03	10/07/2015	242.18
958	03/13/2015	264.40	04/13/2015	264.64	07/20/2015	260.83	10/06/2015	260.13
959	03/09/2015	149.09	04/14/2015	158.84	07/21/2015	159.92	10/06/2015	158.14
960	03/09/2015	217.05	04/14/2015	223.44	07/21/2015	211.61	10/06/2015	213.83
962	03/11/2015	177.48	04/13/2015	182.85	07/20/2015	186.29	10/05/2015	183.60
963	03/16/2015	259.85	04/13/2015	259.10	07/20/2015	256.95	10/06/2015	256.95
964	03/16/2015	259.76	04/13/2015	258.95	07/20/2015	256.95	10/06/2015	257.20
965	03/09/2015	202.64	04/14/2015	214.75	07/21/2015	210.60	10/06/2015	204.55
966	03/09/2015	202.52	04/14/2015	214.91	07/21/2015	210.66	10/06/2015	204.66
968	03/18/2015	164.47	04/14/2015	170.10	07/21/2015	175.57	10/06/2015	167.41
976	03/12/2015	224.29	04/13/2015	226.63	07/20/2015	224.32	10/05/2015	223.40
980	03/16/2015	247.55	04/14/2015	247.60	07/22/2015	246.82	10/06/2015	246.33
983	03/13/2015	252.99	04/15/2015	256.98	07/20/2015	248.52	10/06/2015	244.59
984	03/13/2015	251.58	04/15/2015	253.85	07/20/2015	247.33	10/06/2015	244.58
985	03/13/2015	261.76	04/15/2015	267.91	07/20/2015	260.17	10/06/2015	252.62
986	03/13/2015	260.73	04/15/2015	265.41	07/20/2015	254.15	10/06/2015	249.15
987	03/19/2015	258.33	04/13/2015	257.24	07/20/2015	254.57	10/06/2015	255.21
988	03/19/2015	259.80	04/13/2015	FLOW	07/20/2015	256.37	10/06/2015	254.50
989	03/19/2015	FLOW	04/13/2015	FLOW	07/20/2015	FLOW	10/06/2015	260.35
990	03/19/2015	257.38	04/13/2015	256.68	07/16/2015	254.79	10/06/2015	255.09
991	03/19/2015	259.34	04/13/2015	FLOW	07/20/2015	256.20	10/06/2015	255.08
992	03/19/2015	259.18	04/13/2015	257.17	07/20/2015	256.65	10/06/2015	254.30
993	03/18/2015	233.79	04/14/2015	234.56	07/21/2015	232.74	10/07/2015	230.58
994	03/18/2015	250.46	04/14/2015	250.08	07/21/2015	248.53	10/07/2015	244.45
997	03/10/2015	248.76	04/13/2015	250.69	07/21/2015	248.13	10/05/2015	249.57
998	03/10/2015	246.13	04/13/2015	249.49	07/21/2015	245.58	10/05/2015	243.35
999	03/10/2015	242.10	04/13/2015	243.92	07/21/2015	241.68	10/05/2015	239.86

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Appendix C

2015 Sampling Field Log Database (on CD): SAMP15a.DBF
2015 Field Parameters Database (on CD): FIELD15a.DBF
Table of Meteorological Data (January – December 2015)

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
007	413	161930	2/17/2015	GW150217007		NR150217312	BP/LINE	10.82	@PUMP	0945	1006	1.9M/G	11.0	DFB	6	0	2	2	2	0	Y	NA	QC DUPLICATE #312
010	413	161934	2/18/2015	GW150218010			B/B	44.07	53.09	1036	1045	NA	2.4	DFB	3	0	1	1	1	0	Y	NA	
010	418	162427	10/8/2015	GW151008010	NR151008310		B/B	48.13	53.32	0855	0859	NA	1.0	DFB	6	0	0	0	0	0	Y	NA	QC DUPLICATE #310
015	414	162061	5/1/2015	GW150501015			BP/LINE	17.06	@PUMP	0916	0925	1.7M/G	5.4	DFB	3	0	1	1	1	0	N	ND/ND	
015	418	162461	10/16/2015	GW151016015			BP/LINE	18.32	23.02	1220	1228	1.6M/G	5.0	DFB	3	0	0	0	0	0	N	ND/ND	
016	413	161950	2/25/2015	GW150225016			BP/LINE	35.09	36.32	1218	1311	1.7M/G	31.0	DFB	3	0	1	1	1	0	N	NA	
016	418	162450	10/14/2015	GW151014016			BP/LINE	35.85	37.34	1232	1320	1.6M/G	30.0	DFB	3	0	0	0	0	0	N	NA	
032B	412	161836	1/7/2015	GW150107032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
032B	413	161913	2/4/2015	GW150204032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
032B	413	161965	3/3/2015	GW150303032B	NR150303311		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #311
032B	414	162002	4/16/2015	GW150416032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
032B	414	162073	5/4/2015	GW150504032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	7	0	0	0	0	0	N	NA	MS/MSD VOAS
032B	414	162098	6/1/2015	GW150601032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
032B	418	162415	7/1/2015	GW150701032B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
032B	419	162507	10/16/2015	GW15101632B			2"SP/LINE	6.50	11.68	1205	1213	4.5GPM	36.0	JAR	3	0	0	0	0	0	N	NA	
035	413	161932	2/17/2015	GW150217035		NR150217319	BP/LINE	9.96	10.15	1237	1324	1.3M/G	36.0	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #319
046	417	162317	4/23/2015	GW150423046			PP/B	7.20	7.28	0815	0830	1.6GPM	24.0	CJS	3	0	0	0	0	0	N	NA	
046	417	162340	7/16/2015	GW150716046			PP/B	18.66	19.03	0839	0846	6.5M/G	1.1	DFB	3	0	0	0	0	0	N	NA	
046	416	162291	10/15/2015	GW151015046			PP/B	17.41	17.49	0755	0820	7M/G	3.5	JAR	3	0	0	0	0	0	N	NA	
048	412	161853	1/13/2015	GW150113048			2"SP/LINE	5.84	6.89	1026	1045	1GPM	19.0	DFB	3	0	0	0	0	0	N	NA	
048	414	162033	4/23/2015	GW150423048			2"SP/LINE	6.08	11.28	0940	0953	1.5G/M	19.0	DFB	3	0	0	0	0	0	N	NA	
048	416	162239	7/16/2015	GW150716048			2"SP/LINE	8.79	12.14	0838	0852	1GPM	14.0	JAR	3	0	0	0	0	0	N	NA	
048	416	162296	10/15/2015	GW151015048			2"SP/LINE	7.68	8.60	1031	1047	1GPM	16.0	JAR	3	0	0	0	0	0	N	NA	
053	414	162031	4/22/2015	GW150422053	NR150422310		BP/LINE	13.34	13.49	1458	1523	2.1M/G	12.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #310
053	418	162438	10/9/2015	GW151009053			BP/LINE	21.09	21.28	0949	1007	2.1M/G	8.5	DFB	3	0	0	0	0	0	N	NA	
054	414	162053	4/29/2015	GW150429054			BP/LINE	12.95	15.17	0940	1013	1.1M/G	30.0	DFB	3	0	0	0	0	0	N	NA	
054	418	162437	10/9/2015	GW151009054			BP/LINE	17.74	19.63	0903	0930	1.3M/G	21.0	DFB	3	0	0	0	0	0	N	NA	
059	416	162220	4/23/2015	GW150423059			2"SP/LINE	4.83	5.84	1334	1341	4GPM	28.0	JAR	3	0	0	0	0	0	N	NA	
060	416	162221	4/23/2015	GW150423060			2"SP/LINE	22.04	32.41	1346	1356	5GPM	50.0	JAR	3	0	0	0	0	0	N	NA	
061	414	162036	4/23/2015	GW150423061			2"SP/LINE	8.31	8.63	1349	1359	4G/M	41.0	DFB	7	0	0	0	0	0	N	NA	MS/MSD VOAS
063	414	162047	4/28/2015	GW150428063			BP/LINE	12.88	37.13	0941	1015	1.7M/G	20.0	DFB	3	0	0	0	0	0	N	NA	
064	412	161843	1/8/2015	GW150108064			2"SP/LINE	4.52	4.88	1028	1042	2GPM	27.0	DFB	3	0	0	0	0	0	N	NA	
064	416	162218	4/23/2015	GW150423064			2"SP/LINE	3.76	4.82	1247	1253	5GPM	30.0	JAR	3	0	0	0	0	0	N	NA	
064	416	162237	7/16/2015	GW150716064			2"SP/LINE	6.88	7.63	0756	0802	4GPM	24.0	JAR	7	0	0	0	0	0	N	NA	MS/MSD VOAS
064	416	162294	10/15/2015	GW151015064			2"SP/LINE	9.37	10.26	0956	0957	5GPM	20.0	JAR	3	0	0	0	0	0	N	NA	
065	412	161842	1/8/2015	GW150108065			2"SP/LINE	4.05	5.78	0954	1020	3GPM	77.0	DFB	3	0	0	0	0	0	N	NA	
065	416	162219	4/23/2015	GW150423065			2"SP/LINE	3.36	17.10	1258	1312	6GPM	84.0	JAR	3	0	0	0	0	0	N	NA	
065	416	162238	7/16/2015	GW150716065	NR150716311		2"SP/LINE	6.49	14.99	0810	0825	5GPM	75.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #311
065	416	162295	10/15/2015	GW151015065	NR151015311		2"SP/LINE	9.12	18.16	1003	1017	5GPM	70.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #311
066	412	161846	1/8/2015	GW150108066			2"SP/LINE	5.04	6.17	1306	1318	1GPM	12.0	DFB	3	0	0	0	0	0	N	NA	
066	414	162034	4/23/2015	GW150423066			2"SP/LINE	4.28	4.96	1032	1041	1.5G/M	13.0	DFB	3	0	0	0	0	0	N	NA	
066	416	162236	7/16/2015	GW150716066			2"SP/LINE	6.55	8.97	0735	0744	1GPM	9.0	JAR	3	0	0	0	0	0	N	NA	
066	419	162505	10/16/2015	GW151016066			2"SP/LINE	5.85	9.79	1138	1141	4GPM	12.0	JAR	3	0	0	0	0	0	N	NA	
067	412	161850	1/12/2015	GW150112067	NR150112312		BP/LINE	7.87	8.15	1052	1100	2.4M/G	3.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #312
067	414	162040	4/24/2015	GW150424067			BP/LINE	6.89	7.48	1252	1300	2.2M/G	3.7	DFB	3	0	0	0	0	0	N	NA	
067	416	162257	7/27/2015	GW150727067			B/B	6.53	7.34	0853	0858	NA	4.0	JAR	3	0	0	0	0	0	N	NA	
067	418	162428	10/8/2015	GW151008067			B/B	6.52	6.95	0914	0918	NA	3.9	DFB	3	0	0	0	0	0	N	NA	
068	412	161857	1/14/2015	GW150114068			2"SP/LINE	5.83	10.76	1023	1040	2G/M	34.0	DFB	3	0	1	1	1	0	N	NA	
068	416	162235	4/29/2015	GW150429068			2"SP/LINE	4.76	11.27	1235	1244	4GPM	36.0	JAR	3	0	3	3	1	0	N	NA	MS/MSD METALS
068	416	162258	7/27/2015	GW150727068			2"SP/LINE	6.52	12.34	0920	0931	3GPM	33.0	JAR	3	0	1	1	1	0	N	NA	
068	416	162293	10/15/2015	GW151015068			2"SP/LINE	5.56	13.41	0906	0915	4GPM	36.0	JAR	3	0	0	0	0	0	N	NA	
069	412	161881	1/28/2015	GW150128069	NR150128318		BP/LINE	4.13	4.71	1300	1331	1.4M/G	22.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #318

Sampling Field Log Database

WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
085	416	162205	4/20/2015	GW150420085			2"SP/LINE	22.90	84.67	1253	1305	4GPM	48.0	JAR	3	0	0	0	0	0	N	NA	
085	416	162264	10/8/2015	GW151008085			2"SP/LINE	30.26	69.06	0919	0938	2.4GPM	45.6	JAR	3	0	0	0	0	0	N	NA	
087	416	162206	4/20/2015	GW150420087			2"SP/LINE	8.78	36.68	1318	1335	3GPM	51.0	JAR	3	0	0	0	0	0	N	NA	
087	416	162265	10/8/2015	GW151008087			2"SP/LINE	12.38	43.72	0946	0958	4GPM	48.0	JAR	3	0	0	0	0	0	N	NA	
103	417	162319	4/23/2015	GW150423103			PP/B	8.78	14.49	0948	1003	0.1GPM	1.0	CJS	3	0	1	1	1	0	Y	NA	
103	418	162445	10/13/2015	GW151013103			PP/B	10.11	DRY	0934	0939	NA	0.9	DFB	3	0	0	0	0	0	Y		
104	417	162320	4/23/2015	GW150423104			PP/B	28.00	31.72	1013	1018	0.2GPM	0.8	CJS	3	0	1	1	1	0	Y	NA	
104	418	162446	10/13/2015	GW151013104			PP/B	30.03	DRY	0943	0947	NA	0.4	DFB	3	0	0	0	0	0	Y	NA	
105	413	161947	2/25/2015	GW150225105			BP/LINE	35.07	@PUMP	0946	1019	2M/G	15.0	DFB	3	0	0	0	0	0	Y	NA	
105	418	162458	10/16/2015	GW151016105			BP/LINE	35.33	92.24	0856	0930	2.4M/G	14.0	DFB	3	0	0	0	0	0	Y	NA	
106	413	161948	2/25/2015	GW150225106			BP/LINE	45.42	@PUMP	1023	1057	1.8M/G	18.0	DFB	3	0	0	0	0	0	Y	NA	
108	416	162202	4/20/2015	GW150420108			2"SP/LINE	20.75	@PUMP	0919	0926	2GPM	13.5	JAR	3	0	0	0	0	0	Y	NA	
109	416	162203	4/20/2015	GW150420109			2"SP/LINE	28.10	@PUMP	1017	1045	2GPM	35.5	JAR	7	0	0	0	0	0	Y	NA	MS/MSD VOAS
109	416	162281	10/13/2015	GW151013109			2"SP/LINE	39.64	114.15	0813	0833	3GPM	60.0	JAR	3	0	0	0	0	0	N	NA	
113	413	161975	3/10/2015	GW150310113			2"SP/LINE	-2.00	@PUMP	1024	1040	2G/M	32.0	DFB	3	0	0	0	0	0	Y	NA	
113	416	162224	4/24/2015	GW150424113			2"SP/LINE	-2.00	@PUMP	1056	1101	4GPM	20.0	JAR	3	0	0	0	0	0	Y	NA	
113	416	162240	7/16/2015	GW150716113			2"SP/LINE	1.11	92.91	0914	0932	3GPM	54.0	JAR	3	0	0	0	0	0	N	NA	
113	416	162284	10/13/2015	GW151013113			2"SP/LINE	4.88	93.36	1102	1124	2.4GPM	52.8	JAR	3	0	0	0	0	0	N	NA	
118	414	162063	5/1/2015	GW150501118			BP/LINE	100.71	125.64	1224	1304	1.6M/G	25.0	DFB	3	0	1	1	1	0	N	ND/ND	
143	413	161949	2/25/2015	GW150225143			BP/LINE	113.22	114.39	1117	1149	2M/G	16.0	DFB	3	0	0	0	0	0	N	NA	
145	414	162046	4/28/2015	GW150428145			BP/LINE	64.82	@PUMP	0924	0935	2.2M/G	5.0	DFB	3	0	0	0	0	0	Y	NA	
146	414	162044	4/27/2015	GW150427146			BP/LINE	66.67	69.18	1343	1505	2.1M/G	39.0	DFB	3	0	0	0	0	0	N	NA	
150	416	162201	4/20/2015	GW150420150			2"SP/LINE	72.35	@PUMP	0838	0843	2GPM	9.5	JAR	3	0	0	0	0	0	Y	NA	
151	417	162321	4/23/2015	GW150423151			PP/B	11.13	17.25	1125	1155	0.1GPM	4.0	CJS	3	0	1	1	1	0	N	NA	
151	418	162447	10/13/2015	GW151013151			PP/B	12.18	13.98	1143	1204	7M/G	3.0	DFB	3	0	0	0	0	0	N	NA	
156	416	162214	4/22/2015	GW150422156			2"SP/LINE	35.52	@PUMP	1254	1312	1GPM	18.5	JAR	3	0	0	0	0	0	Y	NA	
156	416	162285	10/13/2015	GW151013156			2"SP/LINE	51.54	@PUMP	1246	1256	1GPM	10.0	JAR	3	0	0	0	0	0	Y	NA	
161	417	162326	4/24/2015	GW150424161			PP/B	15.11	15.53	1115	1127	0.1GPM	1.5	CJS	3	0	1	1	1	0	N	NA	
166	416	162204	4/20/2015	GW150420166			2"SP/LINE	2.67	@PUMP	1232	1244	2GPM	24.0	JAR	3	0	0	0	0	0	Y	NA	
167	414	162045	4/28/2015	GW150428167			BP/LINE	3.48	141.78	0753	0857	1.4M/G	45.0	DFB	7	0	0	0	0	0	Y	NA	MS/MSD VOAS
167	418	162475	10/26/2015	GW151026167			BP/LINE	9.89	130.27	0852	0941	1.5M/G	32.0	DFB	3	0	0	0	0	0	Y	NA	
178	417	162303	4/20/2015	GW150421178			B/B	18.00	23.20	0826	0835	NA	4.5	CJS	3	0	0	0	0	0	N	NA	
181	414	162099	6/18/2015	GW150618181	NR150618320		2"SP/LINE	3.02	15.93	0910	0928	1GPM	18.0	DFB	6	0	0	0	0	0	Y	ND/ND	QC DUPLICATE #320
181	416	162271	10/9/2015	GW151009181			2"SP/LINE	3.71	13.27	0802	0831	1GPM	29.0	JAR	3	0	0	0	0	0	N	ND/ND	
204	417	162304	4/21/2015	GW150421204			B/B	8.15	11.90	0909	0916	NA	2.5	CJS	3	0	1	1	1	0	N	NA	
210	412	161830	1/6/2015	PW150106210		NR150106310	SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #310
210	412	161885	2/3/2015	PW150203210			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	NA	PW KIT
210	413	161957	3/2/2015	PW150302210			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
210	414	162012	4/17/2015	PW150417210			SP/TAP		NA	NA	NA	NA	0.3	DFB	7	0	3	3	1	0	N	NA	MS/MSD VOAS, METALS
210	414	162069	5/4/2015	PW150504210	NR150504318		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #318
210	414	162088	6/1/2015	PW150601210			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
210	418	162405	7/1/2015	PW150701210			SP/TAP		NA	NA	NA	NA	0.3	DFB	7	0	3	3	1	0	N	NA	MS/MSD VOAS, METALS
210	418	162422	8/3/2015	PW150803210			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
210	417	162361	9/1/2015	PW150901210			SP/TAP	140.19	NA	NA	NA	NA	0.3	CJS	3	0	0	0	0	0	N	NA	
210	413	161988	9/16/2015	PW150916325			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	NA	
210	417	162368	10/1/2015	PW151001210			SP/TAP		NA	NA	NA	NA	0.3	CJS	0	3	1	1	1	0	N	NA	
210	418	162454	10/15/2015	PW151015210			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	NA	
210	418	162479	11/2/2015	PW151102210			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	NA	
210	419	162518	11/16/2015	PW151116210			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	NA	BOD/BART FOR MTL
210	417	162378	12/1/2015	PW151201210			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	NA	
220	412	161829	1/6/2015	PW150106220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
220	412	161882	2/3/2015	PW150203220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	ND/ND	PW KIT

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WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
220	413	161953	3/2/2015	PW150302220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
220	414	162009	4/17/2015	PW150417220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
220	414	162065	5/4/2015	PW150504220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/0.8	
220	414	162084	6/1/2015	PW150601220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
220	418	162401	7/1/2015	PW150701220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
220	418	162419	8/3/2015	PW150803220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
220	417	162362	9/1/2015	PW150901220			SP/TAP	147.45	NA	NA	NA	NA	0.3	CJS	3	0	0	0	0	0	N	ND/ND	
220	413	161990	9/16/2015	PW150916220			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
220	417	162369	10/1/2015	PW151001220			SP/TAP		NA	NA	NA	NA	0.3	CJS	0	3	1	1	1	0	N	ND/ND	
220	418	162455	10/15/2015	PW151015220			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
220	418	162480	11/2/2015	PW151102220			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
220	419	162519	11/16/2015	PW151116220			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	ND/ND	BOD/BART FOR MTL
220	417	162379	12/1/2015	PW151201220			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
240	412	161875	1/21/2015	PW150121240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
240	412	161883	2/3/2015	PW150203240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	ND/ND	PW KIT
240	413	161954	3/2/2015	PW150302240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
240	414	162010	4/17/2015	PW150417240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
240	414	162066	5/4/2015	PW150504240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
240	414	162085	6/1/2015	PW150601240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
240	418	162402	7/1/2015	PW150701240		NR150701310	SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	2	2	2	0	N	ND/ND	QC DUPLICATE #310
240	418	162420	8/3/2015	PW150803240			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
240	417	162367	9/1/2015											CJS									NO SAMPLE, OFF LINE
240	417	162374	10/1/2015											CJS									NO SAMPLE, OFF LINE
240	414	162100	11/2/2015											DFB									NO SAMPLE, OFF LINE
240	417	162384	12/1/2015	PW151201240			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
300	413		2/4/2015	TB150204300										DFB	3	0	0	0	0	0			TRIP BLANK
300	413		3/4/2015	TB150304300										DFB	3	0	0	0	0	0			TRIP BLANK
300	416		4/20/2015	TB150420300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/21/2015	TB150421300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/22/2015	TB150422300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/23/2015	TB150423300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/24/2015	TB150424300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/27/2015	TB150427300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/28/2015	TB150428300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		4/29/2015	TB150429300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		7/16/2015	TB150716300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		7/17/2015	TB150717300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		7/23/2015	TB150717300										JAR	3	0	0	0	0	0			TRIP BLANK
300	416		7/27/2015	TB150727300										JAR	3	0	0	0	0	0			TRIP BLANK
300	418		10/8/2015	ETB510081009										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/12/2015	ETB510121013										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/14/2015	ETB510141015										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/16/2015	ETB510161016										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/19/2015	ETB510191020										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/21/2015	ETB510211022										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/22/2015	ETB510221023										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		10/26/2015	ETB510261026										DFB	3	0	0	0	0	0			TRIP BLANK
300	418		11/2/2015	ETB511021102										DFB	3	0	0	0	0	0			TRIP BLANK
300	413		11/6/2015	ETB511061106										DFB	3	0	0	0	0	0			TRIP BLANK
300	417		12/1/2015	ETB512011201										DFB	3	0	0	0	0	0			TRIP BLANK
300	419		12/28/2015	ETB512281228										DFB	3	0	0	0	0	0			TRIP BLANK
301	417		4/20/2015	TB150420301										CJS	3	0	0	0	0	0			TRIP BLANK

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301	417		4/21/2015	TB150421301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		4/22/2015	TB150422301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		4/23/2015	TB150423301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		4/24/2015	TB150424301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		4/27/2015	TB150427301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		4/29/2015	TB150429301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		9/1/2015	TB150901301										CJS	3	0	0	0	0	0			TRIP BLANK
301	417		10/1/2015	TB151001301										CJS	3	0	0	0	0	0			TRIP BLANK
302	412		1/5/2015	TB150105302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/6/2015	TB150106302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/7/2015	TB150107302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/8/2015	TB150108302										DFB	3	0	0	0	0	0	N	NA	TRIP BLANK
302	412		1/12/2015	TB150112302										DFB	3	0	0	0	0	0	N	NA	TRIP BLANK
302	412		1/13/2015	TB150113302										DFB	3	0	0	0	0	0			
302	412		1/14/2015	TB150114302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/15/2015	TB150115302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/19/2015	TB150119302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/20/2015	TB150120302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/21/2015	TB150121302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/22/2015	TB150122302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		1/28/2015	TB150128302										DFB	3	0	0	0	0	0			TRIP BLANK
302	412		2/3/2015	TB150203302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/4/2015	TB150204302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/10/2015	TB150210302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/11/2015	TB150211302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/12/2015	TB150212302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/17/2015	TB150213302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/18/2015	TB150218302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/19/2015	TB150219302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/23/2015	TB150223302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/24/2015	TB150224302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/25/2015	TB150225302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		2/26/2015	TB150226302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/2/2015	TB150302302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/3/2015	TB150303302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/4/2015	TB150304302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/10/2015	TB150310302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/17/2015	TB150317302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/23/2015	TB150323302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		3/24/2015	TB150324303										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/16/2015	TB150416302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/17/2015	TB150417302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/20/2015	TB150420302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/21/2015	TB150421303										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/22/2015	TB150422302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/23/2015	TB150423302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/24/2015	TB150424302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/27/2015	TB150427302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/28/2015	TB150428302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/29/2015	TB150429302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		4/30/2015	TB150430302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		5/1/2015	TB150501302										DFB	3	0	0	0	0	0			TRIP BLANK

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302	414		5/4/2015	TB150504302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		5/5/2015	TB150505302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		5/28/2015	TB150528302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		6/1/2015	TB150601302										DFB	3	0	0	0	0	0			TRIP BLANK
302	414		6/18/2015	TB150618302										DFB	3	0	0	0	0	0			TRIP BLANK
302	418		7/1/2015	TB150701302										DFB	3	0	0	0	0	0			TRIP BLANK
302	417		7/16/2015	TB150716302										DFB	3	0	0	0	0	0			TRIP BLANK
302	417		7/17/2015	TB150717302										DFB	3	0	0	0	0	0			TRIP BLANK
302	417		7/23/2015	TB150723302										DFB	3	0	0	0	0	0			TRIP BLANK
302	417		7/27/2015	TB150727302										DFB	3	0	0	0	0	0			TRIP BLANK
302	418		8/3/2015	TB150803302										DFB	3	0	0	0	0	0			TRIP BLANK
302	413		9/16/2015	TB150916302										DFB	3	0	0	0	0	0			TRIP BLANK
302	416		10/8/2015	ETR510081009										JAR	3	0	0	0	0	0			TRIP BLANK
302	416		10/12/2015	ETR510121013										JAR	3	0	0	0	0	0			TRIP BLANK
302	416		10/14/2015	ETR510141015										JAR	3	0	0	0	0	0			TRIP BLANK
302	416		10/16/2015	ETR510161016										JAR	3	0	0	0	0	0			TRIP BLANK
302	419		10/20/2015	ETR510201020										JAR	3	0	0	0	0	0			TRIP BLANK
303	412		1/5/2015	EB150105303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/6/2015	EB150106306										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/7/2015	EB150107303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/8/2015	EB150108303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/12/2015	EB150112303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/13/2015	EB150113303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/14/2015	EB150114303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/15/2015	EB150115303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/19/2015	EB150119303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/20/2015	EB150120303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/21/2015	EB150121303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/22/2015	EB150122303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		1/28/2015	EB150128303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	412		2/3/2015	EB150203303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/4/2015	EB150204303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/10/2015	EB150210303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/11/2015	EB150211303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/12/2015	EB150212303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/17/2015	EB150213303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/18/2015	EB150218303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/19/2015	EB150219303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/23/2015	EB150223303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/24/2015	EB150224303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/25/2015	EB150225303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		2/26/2015	EB150226303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/2/2015	EB150302303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/3/2015	EB150303303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/4/2015	EB150304303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/10/2015	EB150310303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/17/2015	EB150317303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/23/2015	EB150323303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		3/24/2015	EB150324303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/16/2015	EB150416303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/17/2015	EB150417303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/20/2015	EB150420303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID

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WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
303	416		4/21/2015	EQ150421303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		4/22/2015	EB150422303										CJS	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/23/2015	EB150423303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		4/24/2015	EQ150424303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		4/27/2015	EB150427303										CJS	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/28/2015	EB150428303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		4/29/2015	EQ150429303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		4/30/2015	EB150430303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		5/1/2015	EB150501303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		5/4/2015	EB150504303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		5/5/2015	EB150505303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		6/1/2015	EB150601303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	414		6/18/2015	EB150618303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		7/1/2015	EB150701303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		7/16/2015	EQ150716303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		7/17/2015	EB150717303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		7/23/2015	EQ150723303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		7/27/2015	EQ150727303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		8/3/2015	EB150803303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		9/1/2015	EB150901303										CJS	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	417		10/1/2015	EB151001303										CJS	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		10/8/2015	EB151008303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/9/2015	EB151009303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		10/12/2015	EB151012303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/13/2015	EB151013303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		10/14/2015	EB151014303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/15/2015	EB151015303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	416		10/16/2015	EB151016303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/19/2015	EB151019303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	419		10/20/2015	EB151020303										JAR	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/21/2015	EB151021303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/22/2015	EB151022303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/23/2015	EB151023303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	418		10/26/2015	EB151026303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	413		11/6/2015	EB151106303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
303	419		12/28/2015	EB151228303										DFB	3	0	0	0	0	0			EQUIPMENT BLANK/WLID
323	412	161824	1/5/2015	PW150105323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	412	161884	2/3/2015	PW150203323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	NA	PW KIT
323	413	161955	3/2/2015	PW150302323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	414	162001	4/16/2015	PW150416323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	414	162067	5/4/2015	PW150504323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	414	162086	6/1/2015	PW150601323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	418	162403	7/1/2015	PW150701323			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
323	416	162300	10/16/2015	PW151016323			SP/TAP	10.51	24.95	0935	0958	10.46GPM	240.6	JAR	0	3	0	0	0	0	N	NA	
325	412	161825	1/5/2015	PW150105325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
325	412	161886	2/3/2015	PW150203325	NR150203310		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	2	N	ND/ND	PW KIT, QC DUPLICATE #310
325	413	161956	3/2/2015	PW150302325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
325	414	162011	4/17/2015	PW150417325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
325	414	162068	5/4/2015											DFB									NO SAMPLE, OFF LINE
325	414	162083	5/28/2015	PW150528325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
325	414	162087	6/1/2015	PW150601325	NR150601319		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	0	N	ND/ND	QC DUPLICATE #319
325	418	162404	7/1/2015	PW150701325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	

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325	418	162421	8/3/2015	PW150803325	NR150803315		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	0	N	ND/ND	QC DUPLICATE #315
325	417	162363	9/1/2015	PW150901325			SP/TAP	208.62	NA	NA	NA	NA	0.3	CJS	3	0	0	0	0	0	N	ND/ND	
325	413	161989	9/16/2015	PW150916325			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
325	417	162370	10/1/2015	PW151001325			SP/TAP		NA	NA	NA	NA	0.3	CJS	0	3	1	1	1	0	N	ND/ND	
325	418	162453	10/15/2015	PW151015325			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
325	418	162481	11/2/2015	PW151102325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
325	419	162520	11/16/2015	PW151116325			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	1	N	ND/ND	BOD/BART FOR MTL
325	417	162380	12/1/2015	PW151201325			SP/TAP		NA	NA	NA	NA	0.3	DFB	0	3	0	0	0	0	N	ND/ND	
395	412	161821	1/5/2015	SW150105395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	413	161903	2/4/2015	SW150204395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	413	161976	3/10/2015	SW150310395		NR150310310	SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	2	2	2	0	N	ND/ND	QC DUPLICATE #310
395	414	162013	4/17/2015	SW150417395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	414	162070	5/4/2015	SW150504395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	0.5/0.5	
395	414	162089	6/1/2015	SW150601395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	418	162416	7/1/2015	SW150701395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	418	162423	8/3/2015	SW150803395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395	417	162364	9/1/2015	SW150901395			SP/TAP		NA	NA	NA	NA	0.3	CJS	3	0	1	1	1	0	N	ND/ND	
395	417	162371	10/1/2015	SW151001395			SP/TAP		NA	NA	NA	NA	0.3	CJS	0	3	1	1	1	0	N	ND/ND	
395	418	162482	11/2/2015	SW151102395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395	417	162381	12/1/2015	SW151201395			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	1	1	1	0	N	ND/ND	
395A	412	161822	1/5/2015	SW150105395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	413	161904	2/4/2015	SW150204395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	413	161960	3/3/2015	SW150303395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	414	162014	4/17/2015	SW150417395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	414	162071	5/4/2015	SW150504395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	0.5/0.5	
395A	414	162090	6/1/2015	SW150601395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	418	162417	7/1/2015	SW150701395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	418	162424	8/3/2015	SW150803395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	417	162365	9/1/2015	SW150901395A			TANK/TAP		NA	NA	NA	NA	0.3	CJS	3	0	0	0	0	0	N	ND/ND	
395A	417	162372	10/1/2015	SW151001395A			TANK/TAP		NA	NA	NA	NA	0.3	CJS	0	3	0	0	0	0	N	ND/ND	
395A	418	162483	11/2/2015	SW151102395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395A	417	162382	12/1/2015	SW151201395A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	412	161823	1/5/2015	SW150105395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	413	161905	2/4/2015	SW150204395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	413	161961	3/3/2015	SW150303395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	414	162015	4/17/2015	SW150417395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	414	162072	5/4/2015	SW150504395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	0.5/0.5	
395B	414	162091	6/1/2015	SW150601395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	418	162418	7/1/2015	SW150701395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	418	162425	8/3/2015	SW150803395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	417	162366	9/1/2015	SW150901395B			TANK/TAP		NA	NA	NA	NA	0.3	CJS	3	0	0	0	0	0	N	ND/ND	
395B	417	162373	10/1/2015	SW151001395B			TANK/TAP		NA	NA	NA	NA	0.3	CJS	0	3	0	0	0	0	N	ND/ND	
395B	418	162484	11/2/2015	SW151102395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
395B	417	162383	12/1/2015	SW151201395B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	ND/ND	
502	412	161867	1/19/2015	GW150119502			BP/LINE	0.89	17.31	1128	1148	1.2M/G	17.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
502	414	162048	4/28/2015	GW150428502			BP/LINE	1.62	12.64	1125	1144	1.2M/G	16.0	DFB	3	0	0	0	0	0	N	NA	
502	417	162345	7/16/2015	GW150716502			BP/LINE	3.10	18.31	1214	1235	1.3M/G	16.0	DFB	3	0	0	0	0	0	N	NA	
503	412	161858	1/14/2015	GW150114503	NR150114313		2"SP/LINE	1.48	8.75	1120	1143	10G/M	225.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #313
503	414	162043	4/27/2015	GW150427503			2"SP/LINE	1.80	9.07	1158	1220	10G/M	224.0	DFB	3	0	0	0	0	0	N	NA	
503	417	162350	7/17/2015	GW150717503			2"SP/LINE	3.28	10.43	1026	1048	10GPM	217.0	DFB	3	0	0	0	0	0	N	NA	
515	412	161876	1/22/2015	GW150122515			BP/LINE	2.37	25.38	0857	1323	3.6M/G	74.0	DFB	3	0	0	0	0	0	N	NA	
515	414	162064	5/4/2015	GW150504515			BP/LINE	2.72	41.07	0910	1336	3.6M/G	74.0	DFB	7	0	0	0	0	0	N	NA	MS/MSD VOAS

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515	417	162347	7/17/2015	GW150717515			BP/LINE	3.88	41.28	0734	1208	3.7M/G	74.0	DFB	7	0	0	0	0	0	N	NA	MS/MSD VOAS
520	412	161873	1/21/2015	GW150121520			BP/LINE	5.83	8.34	1019	1044	2.8M/G	9.1	DFB	3	0	0	0	0	0	N	NA	
520	414	162049	4/28/2015	GW150428520			BP/LINE	6.11	9.12	1244	1306	2.4M/G	9.0	DFB	3	0	0	0	0	0	N	NA	
520	417	162343	7/16/2015	GW150716520			B/B	7.27	12.23	1022	1032	NA	8.4	DFB	3	0	0	0	0	0	N	NA	
520	419	162501	10/16/2015	GW151016520			B/B	6.83	20.05	0829	0841	NA	9.6	JAR	3	0	0	0	0	0	N	NA	
521	412	161874	1/21/2015	GW150121521			BP/LINE	4.73	6.18	1222	1243	1.5M/G	14.0	DFB	3	0	0	0	0	0	N	NA	
521	414	162050	4/28/2015	GW150428521			BP/LINE	4.14	5.08	1318	1339	1.4M/G	15.0	DFB	3	0	0	0	0	0	N	NA	
521	417	162344	7/16/2015	GW150716521			B/B	6.99	7.15	1047	1101	NA	13.4	DFB	3	0	0	0	0	0	N	NA	
521	419	162502	10/16/2015	GW151016521			B/B	6.53	6.82	0848	0859	NA	14.0	JAR	3	0	0	0	0	0	N	NA	
535	413	161978	3/17/2015	GW150317535			2"SP/LINE	-2.00	@PUMP	0936	0947	2G/M	22.0	DFB	3	0	0	0	0	0	Y	NA	
535	416	162225	4/24/2015	GW150424535			2"SP/LINE	-2.00	@PUMP	1157	1206	2.1GPM	19.0	JAR	3	0	0	0	0	0	Y	NA	
535	416	162245	7/17/2015	GW150717535			2"SP/LINE	4.21	@PUMP	0731	0738	3GPM	21.0	JAR	3	0	0	0	0	0	Y	NA	
543	412	161859	1/14/2015	GW150114543			B/B	5.80	5.87	1248	1311	6.5M/G	3.5	DFB	3	0	0	0	0	0	N	NA	
543	417	162311	4/22/2015	GW150422543			PP/B	5.21	5.62	0821	0828	NA	4.0	CJS	7	0	0	0	0	0	N	NA	MS/MSD VOAS
543	417	162341	7/16/2015	GW150716543			PP/B	8.22	8.28	0905	0919	6.2M/G	2.3	DFB	3	0	0	0	0	0	N	NA	
543	419	162504	10/16/2015	GW151016543			PP/B	7.81	7.82	1037	1052	6M/G	2.5	JAR	3	0	0	0	0	0	N	NA	
545	412	161866	1/19/2015	GW150119545			BP/LINE	7.03	7.14	1048	1113	2.3M/G	11.0	DFB	3	0	0	0	0	0	N	NA	
545	414	162054	4/29/2015	GW150429545			BP/LINE	7.76	8.24	1051	1109	1.6M/G	11.0	DFB	3	0	0	0	0	0	N	NA	
545	417	162342	7/16/2015	GW150716545			BP/LINE	9.85	9.97	0950	1004	1.5M/G	9.6	DFB	3	0	0	0	0	0	N	NA	
545	418	162460	10/16/2015	GW151016545			BP/LINE	9.72	9.93	1025	1040	1.5M/G	10.0	DFB	3	0	0	0	0	0	N	NA	
559	414	162039	4/24/2015	GW150424559			BP/LINE	24.98	70.28	1137	1155	1.3M/G	13.0	DFB	3	0	0	0	0	0	Y	ND/ND	
559	418	162457	10/15/2015	GW151015559			BP/LINE	36.48	@PUMP	1239	1256	1.4M/G	12.0	DFB	3	0	0	0	0	0	Y	ND/ND	
561	417	162302	4/20/2015	GW150420561			B/B	23.46	31.63	1338	1359	NA	7.5	CJS	3	0	0	0	0	0	N	ND/ND	
561	418	162434	10/8/2015	GW151008561			B/B	34.69	37.83	1320	1327	NA	1.1	DFB	3	0	0	0	0	0	Y	ND/ND	
563	414	162035	4/23/2015	GW150423563			2"SP/LINE	33.23	@PUMP	1153	1204	2G/M	22.0	DFB	3	0	0	0	0	0	Y	NA	
563	416	162276	10/9/2015	GW151009563			2"SP/LINE	42.26	@PUMP	1224	1233	2GPM	17.0	JAR	3	0	0	0	0	0	Y	NA	
564	414	162038	4/24/2015	GW150424564			BP/LINE	24.31	@PUMP	0915	0947	2.7M/G	12.0	DFB	3	0	0	0	0	0	Y	NA	
564	418	162436	10/9/2015	GW151009564			BP/LINE	38.76	@PUMP	0823	0851	2.8M/G	10.0	DFB	3	0	0	0	0	0	Y	NA	
571	412	161863	1/15/2015	GW150115571	NR150115314		B/B	7.55	7.86	1022	1028	NA	3.6	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #314
571	417	162337	4/29/2015	GW150429571			B/B	8.22	9.47	0848	0853	NA	3.5	CJS	3	0	0	0	0	0	N	NA	
571	417	162346	7/16/2015	GW150716571			B/B	12.48	13.88	1314	1318	NA	1.2	DFB	3	0	0	0	0	0	N	NA	
572	417	162332	4/28/2015	GW150428572			PP/B	10.11	13.67	0852	0909	0.2GPM	3.3	CJS	3	0	0	0	0	0	N	0.0/0.3	
574	417	162331	4/28/2015	GW150428574			PP/B	17.95	22.98	0749	0826	0.2GPM	7.3	CJS	3	0	0	0	0	0	N	0.3/0.9	
576	413	161946	2/24/2015	GW150224576			B/B	16.51	18.21	1254	1301	NA	1.6	DFB	3	0	0	0	0	0	N	NA	
576	418	162429	10/8/2015	GW151008576			B/B	16.60	19.26	0958	1003	NA	0.9	DFB	3	0	0	0	0	0	Y	NA	
577	414	162019	4/20/2015	GW150420577			BP/LINE	96.82	156.27	0837	1152	3.2M/G	61.0	DFB	3	0	0	0	0	0	N	NA	
577	418	162442	10/12/2015	GW151012577	NR151012312		BP/LINE	85.95	164.75	0838	1130	2.6M/G	66.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #312
578	412	161878	1/22/2015	GW150122578			2"SP/LINE	108.49	114.45	1054	1116	2G/M	44.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
579	414	162056	4/30/2015	GW150430579			BP/LINE	103.28	104.16	0755	1131	3M/G	72.0	DFB	3	0	1	1	1	0	N	NA	
580	413	161938	2/19/2015	GW150219580			B/B	16.49	18.65	1027	1031	NA	0.5	DFB	3	0	1	1	1	0	Y	NA	
581	413	161924	2/11/2015	GW150211581			B/B	18.68	18.71	1258	1304	NA	4.9	DFB	6	0	1	1	1	0	N	NA	MS/MSD VOAS
600	417	162305	4/21/2015	GW150421600			B/B	16.00	17.82	1005	1014	NA	2.0	CJS	3	0	0	0	0	0	N	NA	
601	413	161945	2/24/2015	GW150224601			2"SP/LINE	51.72	56.39	1113	1134	2G/M	41.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
601	416	162270	10/8/2015	GW151008601			2"SP/LINE	50.50	54.41	1319	1341	2GPM	42.0	JAR	3	0	0	0	0	0	N	NA	
602	417	162306	4/21/2015	GW150421602			B/B	4.92	19.95	1041	1053	NA	9.0	CJS	3	0	0	0	0	0	N	NA	
603	417	162307	4/21/2015	GW150421603			B/B	7.89	24.21	1111	1121	NA	9.0	CJS	3	0	0	0	0	0	N	NA	
604	416	162216	4/22/2015	GW150422604			2"SP/LINE	81.20	99.63	1511	1525	2GPM	28.0	JAR	3	0	0	0	0	0	N	NA	
606	414	162022	4/20/2015	GW150420606			2"SP/LINE	125.86	131.91	1436	1500	1.5G/M	36.0	DFB	3	0	0	0	0	0	N	NA	
607	414	162026	4/21/2015	GW150421607			BP/LINE	90.19	92.36	1211	1236	1.8M/G	14.0	DFB	3	0	0	0	0	0	N	ND/ND	
607	413	161992	11/6/2015	GW151106607			BP/LINE	92.62	94.89	1042	1109	2.1M/G	13.0	DFB	3	0	0	0	0	0	N	ND/ND	RESAMPLE
608	417	162301	4/20/2015	GW150420608			B/B	47.35	47.81	1227	1249	NA	7.5	CJS	3	0	0	0	0	0	N	NA	
609	414	162027	4/22/2015	GW150422609			BP/LINE	123.38	125.50	0812	1143	3.9M/G	54.0	DFB	3	0	0	0	0	0	N	NA	

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WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
609	418	162463	10/20/2015	GW151020609			BP/LINE	113.72	114.49	0809	1201	4M/G	58.0	DFB	3	0	0	0	0	0	N	NA	
610	413	161951	2/26/2015	GW150226610			BP/LINE	119.39	120.31	0938	1036	2M/G	29.0	DFB	3	0	0	0	0	0	N	ND/ND	
610	413	161991	11/6/2015	PW151106610			BP/LINE	110.86	111.51	0904	1013	2.1M/G	33.0	DFB	0	3	0	0	0	0	N	ND/ND	RESAMPLE
611	416	162212	4/22/2015	GW150422611			2"SP/LINE	86.07	141.53	1010	1037	2.4GPM	64.8	JAR	7	0	0	0	0	0	N	NA	MS/MSD VOAS
611	416	162282	10/13/2015	GW151013611			2"SP/LINE	96.32		1153	1218	2.4GPM	60.0	JAR	3	0	0	0	0	0	N	NA	
612	412	161837	1/7/2015	GW150107612			SP/TAP	9.39	NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
612	413	161915	2/10/2015	GW150210612			SP/TAP	2.33	NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
612	413	161985	3/24/2015	GW150324612			SP/TAP	2.31	NA	NA	NA	0.8GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	414	162006	4/16/2015	GW150416612			SP/TAP	2.31	NA	NA	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	414	162078	5/5/2015	GW150505612			SP/TAP	2.30	NA	NA	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	414	162095	6/1/2015	GW150601612			SP/TAP	2.28	NA	NA	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	418	162412	7/1/2015	GW150701612			SP/TAP	2.20	NA	NA	NA	0.7GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
612	418	162478	10/27/2015	GW151027612			2"SP/LINE	17.86	23.98	1224	1336	0.63GPM	57.0	DFB	3	0	0	0	0	0	N	NA	
617	412	161838	1/7/2015	GW150107617			SP/TAP	10.18	NA	NA	NA	3.5GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	413	161916	2/10/2015	GW150210617			SP/TAP	10.47	NA	NA	NA	5.5GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	413	161986	3/24/2015	GW150324617			SP/TAP	7.01	NA	NA	NA	10.3GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	414	162007	4/16/2015	GW150416617			SP/TAP	6.99	NA	NA	NA	8.1GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	414	162079	5/5/2015	GW150505617			SP/TAP	7.01	NA	NA	NA	7.6GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	414	162096	6/1/2015	GW150601617			SP/TAP	7.00	NA	NA	NA	7.3GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	418	162413	7/1/2015	GW150701617			SP/TAP	7.00	NA	NA	NA	7.0GPM	0.3	DFB	3	0	0	0	0	0	N	NA	
617	418	162465	10/20/2015	GW151020617			2"SP/LINE	17.93	28.32	0938	0956	11.6GPM	200.0	DFB	3	0	0	0	0	0	N	NA	
618	412	161856	1/14/2015	GW150114618			2"SP/LINE	11.26	22.18	0959	1105	2.5G/M	163.0	DFB	3	0	0	0	0	0	N	NA	
618	414	162052	4/29/2015	GW150429618			SP/TAP	10.19	21.33	1246	1339	2.2G/M	135.0	DFB	3	0	0	0	0	0	N	NA	
618	417	162357	7/27/2015	GW150727618			2"SP/LINE	11.02	21.33	0908	0956	2.1GPM	115.0	DFB	3	0	0	0	0	0	N	NA	
618	418	162456	10/15/2015	GW151015618			2"SP/LINE	11.51	21.34	1029	1122	2.2GPM	136.0	DFB	3	0	0	0	0	0	N	NA	
622	416	162213	4/22/2015	GW150422622			2"SP/LINE	54.14	184.08	1059	1132	2.4GPM	79.2	JAR	3	0	0	0	0	0	N	NA	
622	416	162279	10/12/2015	GW151012622			2"SP/LINE	64.42	180.08	1135	1232	1.3GPM	74.1	JAR	3	0	0	0	0	0	N	NA	
623	416	162209	4/21/2015	GW150421623	NR150421311		2"SP/LINE	97.00	99.96	1043	1122	3GPM	117.0	JAR	6	0	0	0	0	0	N	ND/ND	QC DUPLICATE #311
623	416	162273	10/9/2015	GW151009623			2"SP/LINE	111.26	114.37	0943	1020	3GPM	111.0	JAR	3	0	0	0	0	0	N	ND/ND	
624	416	162210	4/21/2015	GW150421624			2"SP/LINE	98.86	139.38	1238	1342	2GPM	128.0	JAR	3	0	0	0	0	0	N	NA	
624	416	162278	10/12/2015	GW151012624			2"SP/LINE	98.47	136.66	1004	1108	2GPM	128.0	JAR	3	0	0	0	0	0	N	NA	
627	413	161922	2/11/2015	GW150211627			PP/B	16.92	18.02	1026	1032	NA	0.9	DFB	3	0	1	1	1	0	N	NA	
627	416	162256	7/23/2015	GW150723627			PP/B	17.44	18.39	1029	1036	7M/G	1.0	JAR	3	0	0	0	0	0	N	NA	
627	418	162476	10/26/2015											DFB									NO SAMPLE, DRY WELL
627	419	162523	12/28/2015	GW151228627			PP/B	18.22	18.53	0848	0852	NA	0.2	DFB	3	0	0	0	0	0	N	NA	
628	412	161826	1/5/2015	GW150105628	NR150105311		SP/TAP		NA	NA	NA	NA	0.3	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #311
628	413	161906	2/4/2015	GW150204628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	413	161962	3/3/2015	GW150303628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	414	162003	4/16/2015	GW150416628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	414	162075	5/5/2015	GW150505628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	414	162092	6/1/2015	GW150601628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	418	162409	7/1/2015	GW150701628			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628	416	162292	10/15/2015	GW151015628			2"SP/LINE	16.98	18.22	0922	0932	10.2GPM	112.2	JAR	3	0	0	0	0	0	N	NA	
628A	412	161827	1/5/2015	GW150105628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	413	161907	2/4/2015	GW150204628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	413	161963	3/3/2015	GW150303628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	414	162004	4/16/2015	GW150416628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	414	162076	5/5/2015	GW150505628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	414	162093	6/1/2015	GW150601628A			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628A	418	162410	7/1/2015	GW150701628A			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	412	161828	1/5/2015	GW150105628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	413	161908	2/4/2015	GW150204628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	

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628B	413	161964	3/3/2015	GW150303628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	414	162005	4/16/2015	GW150416628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	414	162077	5/5/2015	GW150505628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	414	162094	6/1/2015	GW150601628B			TANK/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
628B	418	162411	7/1/2015	GW150701628B			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	
638	412	161860	1/15/2015	GW150115638			B/B	17.59	@PUMP	0937	0941	NA	1.7	DFB	3	0	0	0	0	0	Y	NA	
638	417	162309	4/21/2015	GW150421638			B/B	16.18	22.15	1200	1210	NA	3.5	CJS	3	0	0	0	0	0	N	NA	
638	416	162261	7/27/2015	GW150727638			B/B	18.40	23.08	1224	1235	NA	3.0	JAR	3	0	0	0	0	0	N	NA	
639	412	161861	1/15/2015											DFB									NO SAMPLE, DRY WELL
639	417	162308	4/21/2015											CJS									NO SAMPLE, DRY WELL
639	416	162262	7/27/2015											JAR									NO SAMPLE, DRY WELL
640	412	161862	1/15/2015	GW150115640			B/B	12.36	19.62	0953	0957	NA	1.9	DFB	3	0	0	0	0	0	Y	ND/ND	
640	417	162310	4/21/2015	GW150421640			B/B	11.91	19.61	1228	1244	NA	4.5	CJS	3	0	0	0	0	0	N	NA	
640	416	162260	7/27/2015	GW150727640			B/B	13.20	20.15	1122	1126	NA	1.8	JAR	3	0	0	0	0	0	Y	ND/ND	
640	418	162432	10/8/2015	GW151008640			B/B	13.68	19.97	1227	1232	NA	1.6	DFB	3	0	0	0	0	0	Y	ND/ND	
701	413	161939	2/19/2015	GW150219701			B/B	10.91	11.15	1057	1104	NA	4.4	DFB	3	0	1	1	1	0	N	NA	
702	413	161937	2/19/2015	GW150219702			B/B	9.97	15.81	0951	0959	NA	3.7	DFB	3	0	1	1	1	0	N	NA	
702	418	162430	10/8/2015	GW151008702			B/B	10.26	16.12	1009	1019	NA	3.6	DFB	3	0	0	0	0	0	N	NA	
704	414	162024	4/21/2015	GW150421704			2"SP/LINE	51.11	83.04	0910	1252	6G/M	51.1	DFB	7	0	0	0	0	0	N	NA	MS/MSD VOAS
706	414	162062	5/1/2015	GW150501706			BP/LINE	21.78	25.95	1011	1034	2.1M/G	11.0	DFB	3	0	1	1	1	0	N	ND/ND	
706	418	162459	10/16/2015	GW151016706			BP/LINE	25.05	29.53	0941	0959	1.8M/G	10.0	DFB	3	0	0	0	0	0	N	ND/ND	
711	414	162020	4/20/2015	GW150420711			2"SP/LINE	22.09	72.57	0922	1327	6G/M	1472.0	DFB	3	0	0	0	0	0	N	NA	
714	413	161935	2/18/2015	GW150218714			B/B	32.91	36.82	1056	1102	NA	1.2	DFB	3	0	1	1	1	0	Y	ND/ND	
714	418	162433	10/8/2015											DFB									NO SAMPLE, DRY WELL
714	419	162521	12/28/2015											DFB									NO SAMPLE, DRY WELL
716	414	162023	4/21/2015	GW150421716			BP/LINE	106.78	108.18	0751	1150	1.9M/G	126.0	DFB	3	0	0	0	0	0	N	ND/ND	
716	418	162444	10/13/2015	GW151013716			BP/LINE	100.91	102.40	0810	1258	2.1M/G	137.0	DFB	3	0	0	0	0	0	N	ND/ND	
720	416	162228	4/27/2015	GW150427720			2"SP/LINE	26.95	27.11	1159	1212	1GPM	13.0	JAR	3	0	1	1	1	0	N	NA	
720	416	162286	10/13/2015	GW151013720			2"SP/LINE	32.07	43.85	1347	1358	1GPM	11.0	JAR	3	0	0	0	0	0	N	NA	
722	414	162025	4/21/2015	GW150421722			2"SP/LINE	13.40	25.34	1054	1352	8.5G/M	1517.0	DFB	3	0	0	0	0	0	N	NA	
732	416	162226	4/27/2015	GW150427732			2"SP/LINE	122.46	125.10	0748	0951	2GPM	246.0	JAR	3	0	0	0	0	0	N	ND/ND	
732	416	162277	10/12/2015	GW151012732			2"SP/LINE	114.72	119.01	0826	0931	4GPM	260.0	JAR	3	0	0	0	0	0	N	ND/ND	
734	416	162208	4/21/2015	GW150421734			2"SP/LINE	124.63	130.10	0924	0947	2GPM	46.0	JAR	3	0	0	0	0	0	N	NA	
734	416	162290	10/14/2015	GW151014734			2"SP/LINE	119.99	125.85	1258	1318	2.4GPM	48.0	JAR	3	0	0	0	0	0	N	NA	
735	413	161914	2/10/2015	GW150210735			B/B	18.94	24.81	1007	1012	NA	1.5	DFB	3	0	1	1	1	0	Y	ND/ND	
735	416	162254	7/23/2015	GW150723735			B/B	18.92	25.22	0947	0950	NA	1.5	JAR	3	0	0	0	0	0	Y	ND/ND	
735	418	162466	10/20/2015	GW151020735			B/B	20.49	25.05	1033	1037	NA	0.9	DFB	3	0	0	0	0	0	Y	ND/ND	
737	414	162021	4/20/2015	GW150420737			BP/LINE	122.41	124.27	1229	1401	2.8M/G	33.0	DFB	3	0	0	0	0	0	N	NA	
737	418	162443	10/12/2015	GW151012737			BP/LINE	113.32	114.44	1207	1353	2.8M/G	38.0	DFB	3	0	0	0	0	0	N	NA	
739	416	162211	4/22/2015	GW150422739			2"SP/LINE	126.20	129.22	0812	0924	2.4GPM	172.8	JAR	3	0	0	0	0	0	N	NA	
740	417	162324	4/24/2015	GW150424740			PP/B	22.63	25.25	0904	0912	0.1GPM	0.5	CJS	3	0	1	1	1	0	Y	NA	
740	417	162353	7/23/2015	GW150723740			PP/B	23.46	DRY	0904	0907	NA	0.3	DFB	3	0	0	0	0	0	Y	NA	
740	418	162477	10/26/2015											DFB									NO SAMPLE, DRY WELL
740	419	162522	12/28/2015											DFB									NO SAMPLE, DRY WELL
742	413	161943	2/23/2015	GW150223742			2"SP/LINE	134.91	141.66	1235	1317	4G/M	169.0	DFB	3	0	1	1	1	0	N	NA	
742	416	162280	10/12/2015	GW151012742			2"SP/LINE	113.46	125.70	1314	1425	3GPM		JAR	3	0	0	0	0	0	N	NA	
743	417	162312	4/22/2015											CJS									NO SAMPLE, DRY WELL
743	414	162082	5/5/2015	GW150505743			PP/B	13.58	15.69	1328	1348	7M/G	2.8	DFB	3	0	1	1	1	0	N	NA	
744	412	161849	1/12/2015	GW150112744			BP/LINE	8.08	8.14	1001	1020	1.9M/G	10.0	DFB	3	0	1	1	1	0	N	NA	
744	414	162081	5/5/2015	GW150505744		NR150505312	BP/LINE	7.38	7.55	1214	1229	1.5M/G	10.0	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #312
744	417	162359	7/27/2015	GW150727744			BP/LINE	8.77	8.90	1114	1135	2.1M/G	10.0	DFB	3	0	1	1	1	0	N	NA	
744	418	162441	10/9/2015	GW151009774			BP/LINE	10.25	10.46	1259	1315	1.8M/G	9.0	DFB	3	0	0	0	0	0	N	NA	

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WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
745	412	161848	1/12/2015	GW150112745			PP/B	7.54	@PUMP	0931	0953	7.4M/G	3.0	DFB	3	0	1	1	1	0	Y	NA	
745	417	162327	4/24/2015	GW150424745			PP/B	6.72	14.00	1155	1215	0.2GPM	4.0	CJS	3	0	1	1	1	0	N	NA	
745	417	162358	7/27/2015	GW150727745			PP/B	7.90	13.66	1006	1026	6.3M/G	3.1	DFB	3	0	1	1	1	0	N	NA	
751	417	162330	4/27/2015	GW150427751			PP/B	12.30	DRY	1230	1247	0.1GPM	1.0	CJS	3	0	1	1	1	0	Y	NA	
753	417	162329	4/27/2015	GW150427753			PP/B	10.83	13.07	1130	1143	0.2GPM	2.0	CJS	3	0	1	1	1	0	Y	NA	
754	417	162322	4/23/2015	GW150423754			PP/B	12.66	17.10	1240	1300	1GPM	20.0	CJS	3	0	1	1	1	0	N	NA	
755	412	161851	1/12/2015	GW150112755			BP/LINE	10.36	18.27	1156	1254	2.3M/G	25.0	DFB	3	0	1	1	1	0	N	NA	
755	414	162055	4/29/2015	GW150429755			BP/LINE	8.97	18.27	1125	1224	2.1M/G	28.0	DFB	3	0	1	1	1	0	N	NA	
755	416	162259	7/27/2015	GW150727755			B/B	10.35	20.16	0953	1023	NA	25.5	JAR	3	0	1	1	1	0	N	NA	
755	418	162469	10/21/2015	GW151021755			PP/B	10.17	12.34	0927	1235	7.5M.G	25.0	DFB	3	0	0	0	0	0	N	NA	
756	417	162325	4/24/2015	GW150424756			PP/B	8.10	DRY	0953	1020	0.6GPM	16.5	CJS	7	0	0	0	0	0	Y	NA	MS/MSD VOAS
757	412	161864	1/15/2015	GW150115757			B/B	9.71	9.98	1131	1137	NA	5.1	DFB	3	0	0	0	0	0	N	NA	
757	417	162313	4/22/2015	GW150422757	NR150422313		B/B	8.28	8.35	0915	0923	NA	6.0	CJS	6	0	0	0	0	0	N	NA	QC DUPLICATE #313
757	417	162339	7/16/2015	GW150716757	NR150716312		B/B	8.99	9.18	0755	0802	NA	5.4	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #312
757	419	162506	10/16/2015	GW151016757	NR151016313		B/B	7.85	8.77	1152	1156	NA	6.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #313
761	413	161933	2/18/2015	GW150218761			B/B	16.18	25.14	0956	1008	NA	7.9	DFB	3	0	1	1	1	0	N	NA	
763	413	161927	2/12/2015	GW150212763		NR150212315	B/B	36.48	49.11	1127	1135	NA	3.2	DFB	6	0	2	2	2	0	Y	NA	QC DUPLICATE #315
766	413	161920	2/10/2015	GW150210766			B/B	21.76	21.89	1303	1308	NA	1.8	DFB	3	0	1	1	1	0	N	NA	
766	416	162253	7/23/2015	GW150723766			B/B	21.57	22.20	0924	0928	NA	2.6	JAR	3	0	0	0	0	0	N	ND/ND	
766	419	162510	10/20/2015	GW151020766			B/B	22.28	22.35	0841	0846	NA	2.0	JAR	3	0	0	0	0	0	N	ND/ND	
767	417	162328	4/27/2015	GW150427767			PP/B	14.78	16.92	1030	1038	0.3GPM	2.0	CJS	3	0	1	1	1	0	N	ND/ND	
767	416	162251	7/23/2015	GW150723767			PP/B	14.96	15.10	0753	0805	6M/G	2.0	JAR	3	0	0	0	0	0	N	0.1/ND	
767	419	162508	10/20/2015	GW151020767			PP/B	15.65	15.91	0750	0801	7M/G	1.5	JAR	3	0	0	0	0	0	N	ND/ND	
768	413	161923	2/11/2015	GW150211768			PP/B	16.79	16.84	1106	1128	7.5M/G	2.9	DFB	3	0	1	1	1	0	N	ND/ND	
768	416	162252	7/23/2015	GW150723768			PP/B	16.34	16.40	0826	0847	6M/G	3.5	JAR	3	0	0	0	0	0	N	ND/ND	
768	419	162509	10/20/2015	GW151020768			PP/B	17.14	17.21	0812	0830	6M/G	3.0	JAR	3	0	0	0	0	0	N	ND/0.1	
769	413	161918	2/10/2015	GW150210769		NR150210316	B/B	20.93	23.20	1104	1111	NA	2.9	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #316
769	417	162356	7/23/2015	GW150723769			B/B	20.67	22.41	1229	1236	NA	3.0	DFB	3	0	0	0	0	0	N	NA	
769	419	162512	10/20/2015	GW151020769			B/B	21.38		1044	1049	NA	3.0	JAR	3	0	0	0	0	0	N	NA	
771	417	162323	4/24/2015	GW150424771			PP/B	16.00	18.42	0812	0824	0.1GPM	1.5	CJS	3	0	1	1	1	0	N	NA	
771	417	162355	7/23/2015	GW150723771			PP/B	16.12	DRY	1023	1030	7M/G	1.0	DFB	3	0	0	0	0	0	Y	NA	
771	419	162511	10/20/2015	GW151020771			PP/B	17.51	18.38	0856	0904	8M/G	1.0	JAR	3	0	0	0	0	0	N	NA	
772	412	161865	1/15/2015	GW150115772			B/B	10.91	11.34	1230	1237	NA	3.8	DFB	3	0	1	1	1	0	N	NA	
772	417	162314	4/22/2015	GW150422772		NR150422314	B/B	9.92	11.41	1005	1011	NA	4.5	CJS	6	0	2	2	2	0	N	NA	QC DUPLICATE #314
772	417	162354	7/23/2015	GW150723772			B/B	10.60	10.91	0923	0928	NA	3.9	DFB	3	0	1	1	1	0	N	NA	
772	419	162513	10/20/2015	GW151020772			B/B	11.07	11.40	0953	0959	NA	4.0	JAR	3	0	0	0	0	0	N	NA	
773	412	161870	1/20/2015	GW150120773			BP/LINE	16.55	17.87	1109	1122	2.2M/G	5.9	DFB	3	0	1	1	1	0	N	NA	
773	414	162057	4/30/2015	GW150430773			BP/LINE	15.94	17.72	0936	0945	1.5M/G	6.2	DFB	3	0	1	1	1	0	N	NA	
773	417	162352	7/23/2015	GW150723773		NR150723313	BP/LINE	16.59	18.05	0813	0825	2.1M/G	5.9	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #313
773	418	162467	10/20/2015	GW151020773	NR151020314		BP/LINE	16.34	17.65	1247	1300	2.2M/G	6.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #314
774	412	161871	1/20/2015	GW150120774		NR150120316	BP/LINE	14.83	21.76	1250	1309	2.6M/G	7.3	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #316
774	414	162059	4/30/2015	GW150430774			BP/LINE	13.36	19.79	1254	1312	2.2M/G	8.0	DFB	3	0	1	1	1	0	N	NA	
774	417	162360	7/27/2015	GW150727774			BP/LINE	14.21	21.04	1234	1255	2.7M/G	7.6	DFB	3	0	1	1	1	0	N	NA	
774	418	162439	10/9/2015	GW151009774			BP/LINE	15.02	22.93	1043	1055	1.6M/G	7.2	DFB	3	0	0	0	0	0	N	NA	
775	414	162058	4/30/2015	GW150430775			BP/LINE	15.17	15.68	1044	1056	1.7M/G	7.3	DFB	7	0	1	1	1	0	N	NA	MS/MSD VOAS
777	412	161877	1/22/2015	GW150122777			2"SP/LINE	26.50	30.48	1017	1042	2G/M	50.0	DFB	3	0	0	0	0	0	N	NA	
777	416	162263	10/8/2015	GW151008777			2"SP/LINE	36.55	41.83			4GPM	48.0	JAR	3	0	0	0	0	0	N	NA	
779	414	162030	4/22/2015	GW150422779			BP/LINE	120.22	121.27	1203	1434	2.8M/G	54.0	DFB	3	0	0	0	0	0	N	NA	
779	418	162452	10/15/2015	GW151015779			BP/LINE	111.36	112.08	0759	1134	3.7M/G	58.0	DFB	3	0	0	0	0	0	N	NA	
789	413	161940	2/19/2015	GW150219789			B/B	12.26	17.93	1251	1258	NA	4.3	DFB	3	0	1	1	1	0	N	NA	
791	417	162315	4/22/2015	GW150422791			B/B	13.76	14.92	1050	1059	NA	4.5	CJS	3	0	1	1	1	0	N	NA	
792	417	162316	4/22/2015	GW150422792			B/B	12.00	19.33	1303	1314	NA	4.5	CJS	3	0	2	2	1	0	N	NA	MS/MSD METALS

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WELL	BOOK NO	PAGE NO	DATE	SAMPLE ID	QC_ORG	QC_373_KIT	EQUIP ID	DTW BP	DTW AP	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
793	413	161921	2/11/2015	GW150211793			B/B	21.51	28.88	0957	1005	NA	2.2	DFB	3	0	1	1	1	0	Y	NA	
793	416	162255	7/23/2015	GW150723793			B/B	21.06	28.92	1213	1218	NA	3.5	JAR	3	0	0	0	0	0	Y	NA	
793	419	162514	10/20/2015	GW151020793			B/B	21.57	24.88	1108	1111	NA	4.0	JAR	3	0	0	0	0	0		NA	
832	412	161855	1/13/2015	GW150113832			B/B	20.91	21.32	1236	1315	8.5M/G	4.6	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
832	417	162318	4/23/2015	GW150423832			PP/B	19.45	20.17	0910	0924	0.4GPM	5.5	CJS	3	0	0	0	0	0	N	NA	
832	417	162351	7/17/2015	GW150717832			PP/B	25.16	25.86	1223	1246	9M/G	2.5	DFB	3	0	0	0	0	0	N	NA	
857	413	161979	3/17/2015	GW150317857			2"SP/LINE	-2.00	100.97	1002	1043	2G/M	82.0	DFB	3	0	0	0	0	0	Y	NA	
857	416	162232	4/28/2015	GW150428857			2"SP/LINE	-2.00	101.95	1047	1105	6GPM	108.0	JAR	3	0	0	0	0	0	Y	NA	
857	416	162243	7/16/2015	GW150716857			2"SP/LINE	0.98	102.66	1200	1215	7GPM	105.0	JAR	3	0	0	0	0	0	Y	NA	
857	416	162299	10/15/2015	GW151015857			2"SP/LINE	6.44	106.34	1243	1300	6GPM	102.0	JAR	3	0	0	0	0	0	Y	NA	
858	413	161980	3/17/2015	GW150317858			2"SP/LINE	-2.00	1449.02	1122	1259	2G/M	310.0	DFB	3	0	0	0	0	0	Y	NA	
858	416	162231	4/28/2015	GW150428858			2"SP/LINE	-2.00	141.65	0925	1043	4GPM	312.0	JAR	3	0	0	0	0	0	N	NA	
858	416	162244	7/16/2015	GW150716858			2"SP/LINE	2.63	143.37	1222	1323	5GPM	305.0	JAR	3	0	0	0	0	0	N	NA	
858	419	162503	10/16/2015	GW151016858			2"SP/LINE	6.64	137.14	0924	1024	5GP,	300.0	JAR	3	0	0	0	0	0	N	NA	
859	413	161982	3/23/2015	GW150323859			2"SP/LINE	5.94	96.17	1051	1128	2G/M	74.0	DFB	3	0	0	0	0	0	Y	NA	
859	417	162336	4/28/2015	GW150428859			2"SP/LINE	6.65	94.21	1200	1223	3GPM	70.0	CJS	3	0	0	0	0	0	Y	NA	
859	416	162246	7/17/2015	GW150717859			2"SP/LINE	6.99	97.20	0857	0913	5GPM	80.0	JAR	3	0	0	0	0	0	Y	NA	
860	413	161981	3/23/2015	GW150323860			2"SP/LINE	6.23	143.51	0934	1046	2G/M	144.0	DFB	3	0	0	0	0	0	Y	NA	
860	417	162335	4/28/2015	GW150428860			2"SP/LINE	6.70	137.90	1050	1155	2.8GPM	180.0	CJS	3	0	0	0	0	0	Y	NA	
860	416	162247	7/17/2015	GW150717860			2"SP/LINE	7.50	125.14	1014	1208	2.5GPM	285.0	JAR	3	0	0	0	0	0	N	NA	
861	413	161983	3/23/2015	GW150323861			2"SP/LINE	5.88	@PUMP	1216	1226	2G/M	20.0	DFB	3	0	0	0	0	0	Y	NA	
861	417	162333	4/28/2015	GW150428861			2"SP/LINE	11.42	@PUMP	0940	0950	1.7GPM	17.0	CJS	7	0	0	0	0	0	Y	NA	MS/MSD VOAS
861	416	162248	7/17/2015	GW150717861			2"SP/LINE	15.81	@PUMP	0753	0759	4GPM	24.0	JAR	3	0	0	0	0	0	Y	NA	
862	413	161984	3/23/2015	GW150323862			2"SP/LINE	11.19	@PUMP	1229	1242	2G/M	26.0	DFB	3	0	0	0	0	0	Y	NA	
862	417	162334	4/28/2015	GW150428862			2"SP/LINE	12.12	@PUMP	0955	1005	2.7GPM	27.0	CJS	3	0	0	0	0	0	Y	NA	
862	416	162249	7/17/2015	GW150717862			2"SP/LINE	16.04	@PUMP	0810	0819	5GPM	45.0	JAR	3	0	0	0	0	0	Y	NA	
921	414	162074	5/5/2015	GW150505921			BP/LINE	13.14	22.51	0736	1041	1.3M/G	142.0	DFB	3	0	0	0	0	0	N	NA	
921	418	162471	10/22/2015	GW151022921	NR151022315		BP/LINE	24.68	34.93	0751	1027	1.3M/G	120.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #315
922	416	162223	4/24/2015	GW150424922			2"SP/LINE	16.23	113.09	1008	1032	2.5GPM	60.0	JAR	3	0	0	0	0	0	Y	NA	
922	416	162287	10/14/2015	GW151014922			2"SP/LINE	36.96	114.22	0840	0904	2.3GPM	55.0	JAR	3	0	0	0	0	0	Y	NA	
923	414	162060	5/1/2015	GW150501923			BP/LINE	36.02	60.82	0738	1138	4M/G	60.0	DFB	3	0	0	0	0	0	N	ND/ND	
923	418	162472	10/22/2015	GW151022923			BP/LINE	48.62	71.72	1048	1451	4.5M/G	54.0	DFB	3	0	0	0	0	0	N	ND/ND	
929	413	161952	2/26/2015	GW150226929			BP/LINE	99.39	99.65	1055	1147	2M/G	26.0	DFB	3	0	0	0	0	0	N	ND/ND	
929	418	162470	10/21/2015	GW151021929			BP/LINE	93.76	94.17	1249	1407	2.8M/G	28.0	DFB	3	0	0	0	0	0	N	ND/ND	
931	416	162215	4/22/2015	GW150422931			2"SP/LINE	82.06	86.12	1350	1424	4GPM	136.0	JAR	3	0	0	0	0	0	N	ND/ND	
931	416	162272	10/9/2015	GW151009931			2"SP/LINE	84.54	88.18	0845	0929	3GPM	132.0	JAR	3	0	0	0	0	0	N	ND/ND	
932	416	162222	4/24/2015	GW150424932			2"SP/LINE	13.87	153.66	0738	0934	2.7GPM	310.0	JAR	3	0	0	0	0	0	N	NA	
932	416	162283	10/13/2015	GW151013932			2"SP/LINE	21.84	161.83	0852	1038	2.8GPM	296.8	JAR	3	0	0	0	0	0	N	NA	
941	414	162042	4/27/2015	GW150427941			BP/LINE	95.32	96.09	1130	1324	1.5M/G	76.0	DFB	3	0	0	0	0	0	N	ND/ND	
941	418	162448	10/14/2015	GW151014941			BP/LINE	103.29	104.02	0806	1024	2.3M/G	60.0	DFB	3	0	0	0	0	0	N	ND/ND	
943	412	161879	1/28/2015	GW150128943			2"SP/LINE	11.58	40.59	1012	1055	6G/M	258.0	DFB	3	0	0	0	0	0	N	NA	
943	416	162289	10/14/2015	GW151014943			2"SP/LINE	15.77	36.36	1059	1150	5GPM	255.0	JAR	3	0	0	0	0	0	N	NA	
944	412	161880	1/28/2015	GW150128944			2"SP/LINE	6.83	56.68	1103	1207	2G/M	127.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
944	416	162269	10/8/2015	GW151008944			2"SP/LINE	12.23	59.22	1222	1252	4GPM	120.0	JAR	3	0	0	0	0	0	N	NA	
952	414	162051	4/29/2015	GW150429952			BP/LINE	97.42	102.08	0741	1314	1.7M/G	196.0	DFB	3	0	1	1	1	0	N	NA	
952	418	162462	10/19/2015	GW151019952			BP/LINE	94.47	96.61	0802	1345	1.7M/G	202.0	DFB	3	0	0	0	0	0	N	NA	
953	414	162041	4/27/2015	GW150427953			BP/LINE	92.89	94.91	0752	1059	1.6M/G	117.0	DFB	3	0	0	0	0	0	N	ND/ND	
953	418	162468	10/21/2015	GW151021953			BP/LINE	111.52	113.07	0814	1201	2.8M.G	81.0	DFB	3	0	0	0	0	0	N	ND/ND	
954	413	161944	2/24/2015	GW150224954			2"SP/LINE	39.02	146.11	1005	1053	2G/M	96.0	DFB	3	0	0	0	0	0	Y	ND/ND	
954	416	162275	10/9/2015	GW151009954			2"SP/LINE	44.75	146.44	1114	1139	4GPM	100.0	JAR	3	0	0	0	0	0	Y	ND/ND	
956	413	161942	2/23/2015	GW150223956			2"SP/LINE	32.15	99.36	1054	1129	2G/M	70.0	DFB	3	0	0	0	0	0	Y	ND/ND	
956	416	162274	10/9/2015	GW151009956			2"SP/LINE	34.90	97.78	1037	1053	4GPM	64.0	JAR	3	0	0	0	0	0	Y	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	START PURGE	END PURGE	RATE	VOL PURGE	SAMPLER ID	GW VOA	PW VOA	F METALS	U METALS	FLUORIDE	SPECIAL	PUMPED DRY	PID	COMMENTS
958	412	161872	1/21/2015	GW150121958			2"SP/LINE	3.22	88.29	0910	0948	2G/M	76.0	DFB	3	0	0	0	0	0	Y	NA	
958	417	162338	4/29/2015	GW150429958			2"SP/LINE	2.78	90.17	0950	1020	2.8GPM	85.0	CJS	7	0	0	0	0	0	Y	NA	MS/MSD VOAS
958	416	162250	7/17/2015	GW150717958			2"SP/LINE	5.80	89.66	1223	1239	5GPM	80.0	JAR	3	0	0	0	0	0	Y	NA	
958	416	162268	10/8/2015	GW151008958			2"SP/LINE	6.68	90.23	1100	1121	4GPM	82.0	JAR	3	0	0	0	0	0	Y	NA	
959	414	162032	4/23/2015	GW150423959			BP/LINE	90.61	128.43	0818	1251	2.1M/G	130.0	DFB	3	0	1	1	1	0	N	ND/ND	
959	418	162473	10/23/2015	GW151023959			BP/LINE	94.57	133.04	0747	1128	1.8M/G	123.0	DFB	3	0	0	0	0	0	N	ND/ND	
960	414	162037	4/24/2015	GW150424960		NR150424315	BP/LINE	29.04	61.42	0742	1042	1.5M/G	120.0	DFB	6	0	2	2	2	0	N	ND/ND	QC DUPLICATE #315
960	418	162474	10/23/2015	GW151023960			BP/LINE	40.59	74.09	1137	1344	1.3M/G	98.0	DFB	3	0	0	0	0	0	N	ND/ND	
963	412	161844	1/8/2015	GW150108963			2"SP/LINE	5.54	64.09	1111	1150	2GPM	77.0	DFB	6	0	0	0	0	0	N	NA	MS/MSD VOAS
963	416	162234	4/29/2015	GW150429963			2"SP/LINE	6.04	67.03	0903	0929	3GPM	78.0	JAR	3	0	0	0	0	0	N	NA	
963	417	162348	7/17/2015	GW150717963			2"SP/LINE	7.54	92.58	0857	0922	3GPM	76.0	DFB	3	0	0	0	0	0	N	NA	
963	416	162266	10/8/2015	GW151008963			2"SP/LINE	7.66	76.54	1006	1025	4GPM	76.0	JAR	3	0	0	0	0	0	N	NA	
964	412	161845	1/8/2015	GW150108964			2"SP/LINE	5.49	22.34	1201	1223	2GPM	43.0	DFB	3	0	0	0	0	0	N	NA	
964	416	162233	4/28/2015	GW150428964			2"SP/LINE	5.99	30.67	1244	1259	3GPM	45.0	JAR	3	0	0	0	0	0	N	NA	
964	417	162349	7/17/2015	GW150717964			2"SP/LINE	8.02	26.38	0927	0941	3GPM	42.0	DFB	3	0	0	0	0	0	N	NA	
964	416	162267	10/8/2015	GW151008964			2"SP/LINE	7.43	37.35	1027	1038	4GPM	44.0	JAR	3	0	0	0	0	0	N	NA	
965	414	162029	4/22/2015	GW150422965	NR150422316		2"SP/LINE	40.48	40.95	1244	1325	5G/M	203.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #316
966	413	161941	2/23/2015	GW150223966			2"SP/LINE	53.10	60.71	0938	1026	3G/M	143.0	DFB	3	0	0	0	0	0	N	NA	
966	414	162028	4/22/2015	GW150422966			2"SP/LINE	39.95	50.08	0948	1030	4G/M	168.0	DFB	3	0	0	0	0	0	N	NA	
966	416	162288	10/14/2015	GW151014966			2"SP/LINE	50.76	66.37	0957	1027	5GPM	150.0	JAR	3	0	0	0	0	0	N	NA	
987	412	161869	1/20/2015	GW150120987	NR150120317		2"SP/LINE	3.35	3.66	0915	1017	3G/M	187.0	DFB	6	0	0	0	0	0	N	NA	QC DUPLICATE #317
987	416	162229	4/27/2015	GW150427987			2"SP/LINE	3.35	3.53	1253	1340	4GPM	188.0	JAR	7	0	0	0	0	0	N	NA	MS/MSD VOAS
987	416	162241	7/16/2015	GW150716987	NR150716314		2"SP/LINE	5.40	5.53	0952	1052	3GPM	180.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #314
987	416	162297	10/15/2015	GW151015987	NR151015316		2"SP/LINE	5.04	5.22	1105	1157	3.5GPM	182.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #316
990	412	161868	1/20/2015	GW150120990			2"SP/LINE	3.68	5.33	1026	1043	2G/M	33.0	DFB	3	0	0	0	0	0	N	NA	
990	416	162230	4/27/2015	GW150427990	NR150427317		2"SP/LINE	37.10	5.71	1347	1356	4GPM	36.0	JAR	6	0	0	0	0	0	N	NA	QC DUPLICATE #317
990	416	162242	7/16/2015	GW150716990			2"SP/LINE	5.29	9.10	1058	1105	5GPM	35.0	JAR	3	0	0	0	0	0	N	NA	
990	416	162298	10/15/2015	GW151015990			2"SP/LINE	5.07	9.85	1227	1233	6GPM	36.0	JAR	3	0	0	0	0	0	N	NA	
998	413	161936	2/18/2015	GW150218998			B/B	11.78	19.40	1245	1258	NA	4.8	DFB	3	0	1	1	1	0	N	NA	
998	418	162431	10/8/2015	GW151008998			B/B	14.81	20.30	1114	1125	NA	3.4	DFB	3	0	0	0	0	0	N	NA	
999	413	161931	2/17/2015	GW150217999		NR150217318	BP/LINE	15.13	16.95	1017	1039	1.2M/G	18.0	DFB	6	0	2	2	2	0	N	NA	QC DUPLICATE #318
999	418	162440	10/9/2015	GW151009999			BP/LINE	17.40	18.25	1210	1237	1.6M/G	17.0	DFB	3	0	0	0	0	0	N	NA	
NR360	412	161839	1/7/2015	NR150107360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	413	161917	2/10/2015	NR150210360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	413	161987	3/24/2015	NR150324360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	414	162008	4/16/2015	NR150416360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	414	162080	5/5/2015	NR150505360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	414	162097	6/1/2015	NR150601360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617
NR360	418	162414	7/1/2015	NR150701360			SP/TAP		NA	NA	NA	NA	0.3	DFB	3	0	0	0	0	0	N	NA	COMPOSITE OF 612 AND 617

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
007	312	2/17/2015	1131	1136	11.7	7.2	2190	15.3	QC DUPLICATE #312
010		2/18/2015	1139	1144	13.0	7.2	2870	461	
010	310	10/8/2015	1037	1040	14.7	7.1	2760	349	QC DUPLICATE #310
015		5/1/2015	0928	0931	12.7	7.5	2340	139	
015		10/16/2015	1231	1234	18.1	7.5	1960	67.2	
016		2/25/2015	1314	1318	13.4	7.1	1960	1.81	
016		10/14/2015	1322	1325	16.1	7.0	2020	4.17	
032B		1/7/2015	0936	0938	10.6	6.9	1590	1.72	
032B		2/4/2015	1312	1314	9.0	7.1	1660	0.56	
032B	311	3/3/2015	1252	1255	8.0	6.8	1820	1.44	QC DUPLICATE #311
032B		4/16/2015	1111	1113	9.0	6.9	2560	1.17	
032B		5/4/2015	1416	1418	12.1	7.0	2600	1.22	MS/MSD VOAS
032B		6/1/2015	1304	1306	13.0	7.3	2170	1.78	
032B		7/1/2015	1259	1301	16.4	7.2	1740	1.79	
032B		10/16/2015	1213	1214	18.7	7.4	980	8.62	
035	319	2/17/2015	1325	1329	9.0	7.2	2340	12.4	QC DUPLICATE #319
046		4/23/2015	0832	0837	8.9	7.0	659	218	
046		7/16/2015	0854	0857	12.0	7.0	1179	484	
046		10/15/2015	0820	0821	12.2	6.7	1030	12.0	
048		1/13/2015	1047	1048	6.8	6.7	1358	8.25	
048		4/23/2015	0955	0957	7.7	7.1	1230	30.6	
048		7/16/2015	0852	0853	12.4	6.6	1360	74.5	
048		10/15/2015	1047	1048	14.0	6.7	1270	2.85	
053	310	4/22/2015	1525	1529	12.6	7.0	2550	10.7	QC DUPLICATE #310
053		10/9/2015	1009	1012	15.2	6.8	1910	31.9	
054		4/29/2015	1015	1018	11.7	7.0	3550	21.1	
054		10/9/2015	0932	0935	14.2	6.6	3610	7.88	
059		4/23/2015	1341	1342	6.9	6.9	741	20.4	
060		4/23/2015	1356	1357	10.2	7.3	860	106	
061		4/23/2015	1400	1402	6.8	7.2	1225	4.84	MS/MSD VOAS
063		4/28/2015	1016	1019	12.1	6.9	5250	69.6	
064		1/8/2015	1043	1045	10.9	7.0	1570	3.11	
064		4/23/2015	1253	1254	10.7	7.1	1140	70.5	
064		7/16/2015	0802	0803	13.2	6.7	2100	11.8	MS/MSD VOAS
064		10/15/2015	0952	0956	15.0	7.0	1790	15.0	
065		1/8/2015	1021	1023	12.0	7.0	1640	1.48	
065		4/23/2015	1312	1313	12.0	7.4	980	22.1	
065	311	7/16/2015	0825	0826	11.9	6.8	1240	5.00	QC DUPLICATE #311
065	311	10/15/2015	1017	1018	13.0	7.0	1920	5.94	QC DUPLICATE #311
066		1/8/2015	1319	1321	6.6	6.5	1198	11.7	
066		4/23/2015	1042	1043	9.2	6.9	795	22.7	
066		7/16/2015	0744	0745	18.8	6.1	980	76.4	
066		10/16/2015	1141	1142	17.6	6.5	549	95.7	
067	312	1/12/2015	1101	1104	8.3	7.0	844	3.80	QC DUPLICATE #312
067		4/24/2015	1301	1304	6.5	7.4	780	10.8	
067		7/27/2015	0900	0901	17.3	6.9	720	172	
067		10/8/2015	0924	0927	17.5	6.9	1070	150	
068		1/14/2015	1041	1044	10.8	6.6	1870	24.6	
068		4/29/2015	1244	1247	11.7	7.0	1550	49.5	MS/MSD VOAS
068		7/27/2015	0931	0934	12.8	6.9	1970	119	
068		10/15/2015	0915	0916	12.6	6.9	1480	22.1	
069	318	1/28/2015	1332	1335	5.0	6.9	1980	19.0	QC DUPLICATE #318
085		4/20/2015	1305	1306	12.5	7.1	2590	207	
085		10/8/2015	0938	0939	12.5	7.0	2450	221.0	
087		4/20/2015	1335	1336	12.2	7.2	1090	1.45	
087		10/8/2015	0958	0959	12.3	7.1	940	2.46	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
103		4/23/2015	1025	1038	8.7	7.3	1274	28.3	
103		10/13/2015	1116	1120	18.7	7.3	665	8.59	
104		4/23/2015	1052	1110	11.3	7.7	3419	091	
104		10/13/2015	1127	1131	17.7	6.8	5550	35.6	
105		2/25/2015	1101	1104	12.2	7.0	1670	5.98	
105		10/16/2015	1108	1111	14.0	7.2	1750	8.94	
106		2/25/2015	1206	1209	12.1	8.5	1424	2.79	
108		4/20/2015	1053	1054	13.7	7.4	1420	4.71	
109		4/20/2015	1157	1158	12.9	7.2	1410	13.9	MS/MSD VOAS
109		10/13/2015	0833	0834	13.8	7.1	1110	10.1	
113		3/10/2015	1133	1135	9.9	7.0	1233	5.79	
113		4/24/2015	1117	1118	9.9	7.4	980	8.86	
113		7/16/2015	0932	0933	11.0	7.1	1010	4.40	
113		10/13/2015	1124	1125	11.8	7.4	880	1.47	
118		5/1/2015	1306	1309	16.0	7.1	2020	4.98	
143		2/25/2015	1150	1153	11.4	7.1	1630	6.38	
145		4/28/2015	1056	1059	10.9	7.3	2910	184	
146		4/27/2015	1506	1509	10.8	7.4	713	42.6	
150		4/20/2015	0958	0959	11.8	6.9	1580	30.2	
151		4/23/2015	1201	1220	10.1	7.1	1154	158	
151		10/13/2015	1207	1211	16.9	6.9	1580	1.20	
156		4/22/2015	1451	1452	11.5	7.9	1280	8.45	
156		10/13/2015	1330	1331	11.5	7.4	910	22.0	
161		4/24/2015	1130	1143	8.9	7.5	804	2.39	
166		4/20/2015	1349	1350	12.0	7.2	1340	13.3	
167		4/28/2015	1029	1033	11.6	7.7	809	13.9	MS/MSD VOAS
167		10/26/2015	1114	1117	12.1	7.2	746	11.1	
178		4/20/2015	0840	0846	14.6	7.2	1307	157	
181	320	6/18/2015	1118	1121	15.8	10.0	7220	151	
181		10/9/2015	0831	0832	21.0	10.8	450	21.0	
204		4/21/2015	0925	0934	11.5	7.4	2202	701	
210	310	1/6/2015	1024	1028	11.2	7.1	1107	1.88	QC DUPLICATE #310
210		2/3/2015	1238	1242	11.1	6.5	1104	1.40	PW KIT
210		3/2/2015	1311	1313	11.9	7.1	1103	3.42	
210		4/17/2015	1007	1013	13.2	7.3	1061	2.1	MS/MSD VOAS
210	318	5/4/2015	1124	1127	13.7	7.4	1109	3.41	QC DUPLICATE #318
210		6/1/2015	1003	1005	12.7	7.4	1108	3.62	
210		7/1/2015	1049	1053	13.9	7.3	1092	5.36	MS/MSD VOAS, METALS
210		8/3/2015	0957	0959	14.5	7.2	1129	5.68	
210		9/1/2015	0730	0737	16.5	7.1	1533	0.35	
210		9/16/2015	1008	1010	13.4	6.8	1132	10.7	
210		10/1/2015	0710	0718	15.5	7.9	1129	2.57	
210		10/15/2015	0948	0950	12.7	6.8	1163	1.67	
210		11/2/2015	0928	0930	13.1	7.0	1166	1.40	
210		11/16/2015	0928	0931	12.4	7.1	1142	1.02	
210		12/1/2015	0927	0930	12.8	6.8	1122	1.07	
220		1/6/2015	0956	1000	13.2	6.9	1740	10.3	
220		2/3/2015	1054	1058	12.8	6.6	1750	4.09	PW KIT
220		3/2/2015	1114	1116	13.8	6.7	1880	16.7	
220		4/17/2015	0833	0837	15.2	7.1	1860	5.50	
220		5/4/2015	0938	0940	15.3	7.2	1840	10.5	
220		6/1/2015	0851	0853	14.6	7.3	1850	10.6	
220		7/1/2015	0933	0937	15.4	7.0	1800	10.3	
220		8/3/2015	0833	0835	14.9	7.1	1830	3.18	
220		9/1/2015	0750	0758	16.2	7.5	1750	13.3	
220		9/16/2015	1034	1036	14.8	6.9	1820	9.84	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
220		10/1/2015	0730	0738	14.6	8.0	1750	0.91	
220		10/15/2015	1003	1005	14.2	6.8	1870	3.60	
220		11/2/2015	0944	0946	14.4	7.1	1900	3.02	
220		11/16/2015	0949	0952	14.4	7.0	1820	1.63	
220		12/1/2015	1013	1015	14.3	7.2	1810	10.1	
240		1/21/2015	1311	1315	12.2	6.9	1247	3.53	
240		2/3/2015	1115	1119	11.5	6.8	1237	1.61	PW KIT
240		3/2/2015	1129	1131	12.0	6.9	1232	3.73	
240		4/17/2015	0909	0913	13.2	7.3	1171	2.26	
240		5/4/2015	1009	1011	13.8	7.4	1217	3.66	
240		6/1/2015	0909	0911	13.2	7.4	1251	3.55	
240	310	7/1/2015	0954	0958	15.2	7.3	1198	7.70	QC DUPLICATE #310
240		8/3/2015	0849	0851	14.4	7.2	1296	8.85	
240		9/1/2015							NO SAMPLE, OFF LINE
240		10/1/2015							NO SAMPLE, OFF LINE
240		11/2/2015							NO SAMPLE, OFF LINE
240		12/1/2015	1347	1349	13.1	7.4	1730	3.84	
300		2/4/2015							TRIP BLANK
300		3/4/2015							TRIP BLANK
300		4/20/2015							TRIP BLANK
300		4/21/2015							TRIP BLANK
300		4/22/2015							TRIP BLANK
300		4/23/2015							TRIP BLANK
300		4/24/2015							TRIP BLANK
300		4/27/2015							TRIP BLANK
300		4/28/2015							TRIP BLANK
300		4/29/2015							TRIP BLANK
300		7/16/2015							TRIP BLANK
300		7/17/2015							TRIP BLANK
300		7/23/2015							TRIP BLANK
300		7/27/2015							TRIP BLANK
300		10/8/2015							TRIP BLANK
300		10/12/2015							TRIP BLANK
300		10/14/2015							TRIP BLANK
300		10/16/2015							TRIP BLANK
300		10/19/2015							TRIP BLANK
300		10/21/2015							TRIP BLANK
300		10/22/2015							TRIP BLANK
300		10/26/2015							TRIP BLANK
300		11/2/2015							TRIP BLANK
300		11/6/2015							TRIP BLANK
300		12/1/2015							TRIP BLANK
300		12/28/2015							TRIP BLANK
301		4/20/2015							TRIP BLANK
301		4/21/2015							TRIP BLANK
301		4/22/2015							TRIP BLANK
301		4/23/2015							TRIP BLANK
301		4/24/2015							TRIP BLANK
301		4/27/2015							TRIP BLANK
301		4/29/2015							TRIP BLANK
301		9/1/2015							TRIP BLANK
301		10/1/2015							TRIP BLANK
302		1/5/2015							TRIP BLANK
302		1/6/2015							TRIP BLANK
302		1/7/2015							TRIP BLANK
302		1/8/2015							TRIP BLANK

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
302		1/12/2015							TRIP BLANK
302		1/13/2015							TRIP BLANK
302		1/14/2015							TRIP BLANK
302		1/15/2015							TRIP BLANK
302		1/19/2015							TRIP BLANK
302		1/20/2015							TRIP BLANK
302		1/21/2015							TRIP BLANK
302		1/22/2015							TRIP BLANK
302		1/28/2015							TRIP BLANK
302		2/3/2015							TRIP BLANK
302		2/4/2015							TRIP BLANK
302		2/10/2015							TRIP BLANK
302		2/11/2015							TRIP BLANK
302		2/12/2015							TRIP BLANK
302		2/17/2015							TRIP BLANK
302		2/18/2015							TRIP BLANK
302		2/19/2015							TRIP BLANK
302		2/23/2015							TRIP BLANK
302		2/24/2015							TRIP BLANK
302		2/25/2015							TRIP BLANK
302		2/26/2015							TRIP BLANK
302		3/2/2015							TRIP BLANK
302		3/3/2015							TRIP BLANK
302		3/4/2015							TRIP BLANK
302		3/10/2015							TRIP BLANK
302		3/17/2015							TRIP BLANK
302		3/23/2015							TRIP BLANK
302		3/24/2015							TRIP BLANK
302		4/16/2015							TRIP BLANK
302		4/17/2015							TRIP BLANK
302		4/20/2015							TRIP BLANK
302		4/21/2015							TRIP BLANK
302		4/22/2015							TRIP BLANK
302		4/23/2015							TRIP BLANK
302		4/24/2015							TRIP BLANK
302		4/27/2015							TRIP BLANK
302		4/28/2015							TRIP BLANK
302		4/29/2015							TRIP BLANK
302		4/30/2015							TRIP BLANK
302		5/1/2015							TRIP BLANK
302		5/4/2015							TRIP BLANK
302		5/5/2015							TRIP BLANK
302		5/28/2015							TRIP BLANK
302		6/1/2015							TRIP BLANK
302		6/18/2015							TRIP BLANK
302		7/1/2015							TRIP BLANK
302		7/16/2015							TRIP BLANK
302		7/17/2015							TRIP BLANK
302		7/23/2015							TRIP BLANK
302		7/27/2015							TRIP BLANK
302		8/3/2015							TRIP BLANK
302		9/16/2015							TRIP BLANK
302		10/8/2015							TRIP BLANK
302		10/12/2015							TRIP BLANK
302		10/14/2015							TRIP BLANK
302		10/16/2015							TRIP BLANK

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
302		10/20/2015							TRIP BLANK
303		1/5/2015							EQUIP. BLANK/WLID
303		1/7/2015							EQUIP. BLANK/WLID
303		1/8/2015							EQUIP. BLANK/WLID
303		1/12/2015							EQUIP. BLANK/WLID
303		1/13/2015							EQUIP. BLANK/WLID
303		1/14/2015							EQUIP. BLANK/WLID
303		1/15/2015							EQUIP. BLANK/WLID
303		1/19/2015							EQUIP. BLANK/WLID
303		1/20/2015							EQUIP. BLANK/WLID
303		1/21/2015							EQUIP. BLANK/WLID
303		1/22/2015							EQUIP. BLANK/WLID
303		1/28/2015							EQUIP. BLANK/WLID
303		2/3/2015							EQUIP. BLANK/WLID
303		2/4/2015							EQUIP. BLANK/WLID
303		2/10/2015							EQUIP. BLANK/WLID
303		2/11/2015							EQUIP. BLANK/WLID
303		2/12/2015							EQUIP. BLANK/WLID
303		2/17/2015							EQUIP. BLANK/WLID
303		2/18/2015							EQUIP. BLANK/WLID
303		2/19/2015							EQUIP. BLANK/WLID
303		2/23/2015							EQUIP. BLANK/WLID
303		2/24/2015							EQUIP. BLANK/WLID
303		2/25/2015							EQUIP. BLANK/WLID
303		2/26/2015							EQUIP. BLANK/WLID
303		3/2/2015							EQUIP. BLANK/WLID
303		3/3/2015							EQUIP. BLANK/WLID
303		3/4/2015							EQUIP. BLANK/WLID
303		3/10/2015							EQUIP. BLANK/WLID
303		3/17/2015							EQUIP. BLANK/WLID
303		3/23/2015							EQUIP. BLANK/WLID
303		3/24/2015							EQUIP. BLANK/WLID
303		4/16/2015							EQUIP. BLANK/WLID
303		4/17/2015							EQUIP. BLANK/WLID
303		4/20/2015							EQUIP. BLANK/WLID
303		4/21/2015							EQUIP. BLANK/WLID
303		4/22/2015							EQUIP. BLANK/WLID
303		4/23/2015							EQUIP. BLANK/WLID
303		4/24/2015							EQUIP. BLANK/WLID
303		4/27/2015							EQUIP. BLANK/WLID
303		4/28/2015							EQUIP. BLANK/WLID
303		4/29/2015							EQUIP. BLANK/WLID
303		4/30/2015							EQUIP. BLANK/WLID
303		5/1/2015							EQUIP. BLANK/WLID
303		5/4/2015							EQUIP. BLANK/WLID
303		5/5/2015							EQUIP. BLANK/WLID
303		6/1/2015							EQUIP. BLANK/WLID
303		6/18/2015							EQUIP. BLANK/WLID
303		7/1/2015							EQUIP. BLANK/WLID
303		7/16/2015							EQUIP. BLANK/WLID
303		7/17/2015							EQUIP. BLANK/WLID
303		7/23/2015							EQUIP. BLANK/WLID
303		7/27/2015							EQUIP. BLANK/WLID
303		8/3/2015							EQUIP. BLANK/WLID
303		9/1/2015							EQUIP. BLANK/WLID
303		10/1/2015							EQUIP. BLANK/WLID

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
303		10/8/2015							EQUIP. BLANK/WLID
303		10/9/2015							EQUIP. BLANK/WLID
303		10/12/2015							EQUIP. BLANK/WLID
303		10/13/2015							EQUIP. BLANK/WLID
303		10/14/2015							EQUIP. BLANK/WLID
303		10/15/2015							EQUIP. BLANK/WLID
303		10/16/2015							EQUIP. BLANK/WLID
303		10/19/2015							EQUIP. BLANK/WLID
303		10/20/2015							EQUIP. BLANK/WLID
303		10/21/2015							EQUIP. BLANK/WLID
303		10/22/2015							EQUIP. BLANK/WLID
303		10/23/2015							EQUIP. BLANK/WLID
303		10/26/2015							EQUIP. BLANK/WLID
303		11/6/2015							EQUIP. BLANK/WLID
303		12/28/2015							EQUIP. BLANK/WLID
306		1/6/2015							EQUIP. BLANK/WLID
323		1/5/2015	1136	1138	14.4	6.7	961	3.95	
323		2/3/2015	1137	1140	10.8	6.4	1296	2.05	PW KIT
323		3/2/2015	1148	1150	10.5	6.6	1358	11.7	
323		4/16/2015	1038	1040	11.0	7.0	1063	13.8	
323		5/4/2015	1031	1033	11.4	7.0	1151	9.36	
323		6/1/2015	0931	0933	11.3	7.0	1284	29.2	
323		7/1/2015	1020	1022	12.5	6.9	1349	15.5	
323		10/16/2015	0958	0959	12.6	7.0	1090	5.79	
325		1/5/2015	1156	1159	12.2	7.1	1388	7.26	
325	310	2/3/2015	1257	1302	11.9	5.8	1407	3.49	PW KIT, QC DUPLICATE #3
325		3/2/2015	1206	1208	12.1	6.9	1405	14.4	
325		4/17/2015	0932	0936	15.0	7.3	1327	39.1	
325		5/4/2015							NO SAMPLE, OFF LINE
325		5/28/2015	1027	1029	13.9	7.3	1378	16.0	
325	319	6/1/2015	0946	0949	12.8	7.4	1366	15.1	QC DUPLICATE #319
325		7/1/2015	1033	1037	15.2	7.3	1312	37.7	
325	315	8/3/2015	0932	0934	14.2	7.2	1405	24.5	QC DUPLICATE #315
325		9/1/2015	0815	0820	15.8	7.8	1343	25.9	
325		9/16/2015	1020	1022	13.5	6.9	1389	20.6	
325		10/1/2015	0805	0812	13.3	8.0	1357	28.4	
325		10/15/2015	0936	0938	12.3	6.7	1405	23.0	
325		11/2/2015	1005	1007	12.5	7.3	1425	2.70	
325		11/16/2015	1007	1010	12.7	7.1	1387	3.47	
325		12/1/2015	1028	1031	12.2	7.3	1371	34.2	
395		1/5/2015	1055	1059	16.4	7.1	1127	3.71	
395		2/4/2015	1000	1004	15.4	7.2	1131	5.01	
395	310	3/10/2015	1107	1111	16.5	7.0	1116	4.91	QC DUPLICATE #310
395		4/17/2015	1043	1047	13.3	7.3	1420	2.43	
395		5/4/2015	1244	1247	16.2	7.2	1620	0.74	
395		6/1/2015	1038	1041	15.6	7.6	1660	11.6	
395		7/1/2015	1309	1312	16.6	7.6	1146	3.02	
395		8/3/2015	1018	1021	20.5	7.4	1257	4.72	
395		9/1/2015	0830	0840	20.8	7.9	1202	10.7	
395		10/1/2015	0830	0838	17.3	7.9	886	6.74	
395		11/2/2015	1021	1025	18.5	7.4	1098	4.20	
395		12/1/2015	1059	1104	18.1	7.4	1037	3.88	
395A		1/5/2015	1104	1107	18.5	7.2	1120	1.58	
395A		2/4/2015	1009	1011	17.6	7.3	877	0.94	
395A		3/3/2015	1030	1032	18.5	7.3	1098	1.17	
395A		4/17/2015	1051	1054	15.6	7.4	1396	0.96	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
395A		5/4/2015	1251	1254	20.2	7.6	1610	2.09	
395A		6/1/2015	1045	1047	20.3	7.7	1610	4.74	
395A		7/1/2015	1316	1318	23.2	7.6	1034	1.85	
395A		8/3/2015	1025	1027	25.2	7.5	975	1.80	
395A		9/1/2015	0847	0855	25.5	7.6	1064	2.19	
395A		10/1/2015	0841	0847	20.4	7.9	905	0.54	
395A		11/2/2015	1036	1039	18.6	7.5	1051	0.66	
395A		12/1/2015	1108	1110	17.5	7.1	1003	1.70	
395B		1/5/2015	1111	1115	17.1	7.7	993	1.68	
395B		2/4/2015	1015	1018	14.4	7.7	895	9.21	
395B		3/3/2015	1036	1039	15.0	7.8	1167	1.42	
395B		4/17/2015	1058	1102	17.1	7.8	1357	2.3	
395B		5/4/2015	1259	1303	18.6	8.2	1600	2.75	
395B		6/1/2015	1052	1055	20.8	8.0	1590	10.4	
395B		7/1/2015	1322	1325	23.7	8.1	1104	36.3	
395B		8/3/2015	1031	1035	26.2	7.9	1035	0.74	
395B		9/1/2015	0902	0910	24.9	7.7	1107	0.69	
395B		10/1/2015	0851	0857	24.8	7.8	1072	4.29	
395B		11/2/2015	1047	1051	18.5	7.8	1001	2.92	
395B		12/1/2015	1115	1118	16.6	7.5	964	1.54	
502		1/19/2015	1149	1152	11.2	6.8	1680	56.0	MS/MSD VOAS
502		4/28/2015	1145	1148	11.7	7.2	2010	26.5	
502		7/16/2015	1236	1238	12.7	7.0	2270	9.23	
503	313	1/14/2015	1144	1146	11.6	6.8	1447	4.23	QC DUPLICATE #313
503		4/27/2015	1221	1223	12.4	7.2	2580	4.31	
503		7/17/2015	1049	1050	13.2	7.0	1710	7.78	
515		1/22/2015	1324	1328	10.2	7.2	573	1.77	
515		5/4/2015	1337	1341	13.5	7.5	598	1.22	MS/MSD VOAS
515		7/17/2015	1209	1212	13.0	7.4	589	1.89	MS/MSD VOAS
520		1/21/2015	1045	1048	11.3	6.9	1384	1.82	
520		4/28/2015	1307	1310	10.5	7.3	1402	7.9	
520		7/16/2015	1035	1038	11.6	7.2	1321	132	
520		10/16/2015	0843	0844	12.7	7.0	1210	1000	
521		1/21/2015	1244	1247	11.4	7.0	2280	32.8	
521		4/28/2015	1340	1343	10.6	7.4	960	124	
521		7/16/2015	1105	1108	11.6	7.1	1510	445	
521		10/16/2015	0903	0904	11.8	7.1	1460	>1000	
535		3/17/2015	1059	1101	10.4	7.1	651	7.23	
535		4/24/2015	1400	1401	10.8	7.7	509	3.61	
535		7/17/2015	0936	0937	11.9	6.7	552	11.5	
543		1/14/2015	1313	1316	7.6	6.8	1212	3.97	
543		4/22/2015	0835	0843	7.6	7.3	637	3.0	MS/MSD VOAS
543		7/16/2015	0923	0926	12.4	7.0	995	6.02	
543		10/16/2015	1055	1056	13.5	6.9	1090	2.01	
545		1/19/2015	1114	1117	10.8	6.7	1050	531	
545		4/29/2015	1110	1113	10.3	7.3	697	7.64	
545		7/16/2015	1005	1007	10.4	7.0	1410	20.8	
545		10/16/2015	1041	1044	11.1	7.0	1630	15.9	
559		4/24/2015	1319	1322	10.4	7.0	1580	8.56	
559		10/15/2015	1332	1335	14.7	6.8	1520	22.3	
561		4/20/2015	1405	1412	11.5	7.3	944	201	
561		10/8/2015	1409	1412	13.1	6.9	1101	69.8	
563		4/23/2015	1317	1319	10.6	7.2	1438	14.3	
563		10/9/2015	1302	1303	11.7	7.2	1310	20.5	
564		4/24/2015	1127	1130	9.6	7.6	658	2.10	
564		10/9/2015	1021	1024	12.5	7.2	730	8.50	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
571	314	1/15/2015	1036	1040	7.3	6.7	1218	885	QC DUPLICATE #314
571		4/29/2015	0900	0906	9.7	7.2	1070	214	
571		7/16/2015	1326	1329	13.6	7.0	1258	1000	
572		4/28/2015	0920	0924					
574		4/28/2015	0831	0836					
576		2/24/2015	1309	1312	11.9	6.8	6180	34.5	
576		10/8/2015	1051	1054	16.4	6.8	6730	71.8	
577		4/20/2015	1155	1159	12.0	7.3	2770	1.97	
577	312	10/12/2015	1132	1135	15.3	6.7	2420	1.87	QC DUPLICATE #312
578		1/22/2015	1117	1119	12.0	6.8	1183	1.11	MS/MSD VOAS
579		4/30/2015	1132	1136	13.8	7.1	1183	11.6	
580		2/19/2015	1221	1225	10.5	6.7	2640	49.2	
581		2/11/2015	1310	1314	11.6	7.0	1311	1000	
600		4/21/2015	1021	1027	10.3	6.8	5000	342	
601		2/24/2015	1135	1137	10.9	6.9	2140	3.90	MS/MSD VOAS
601		10/8/2015	1341	1342	13.1	7.1	1800	11.2	
602		4/21/2015	1059	1104	10.5	7.9	290	930	
603		4/21/2015	1130	1136	12.5	7.7	629	642	
604		4/22/2015	1525	1526	13.5	7.6	611	31.3	
606		4/20/2015	1502	1504	14.5	7.0	6900	33.3	
607		4/21/2015	1238	1241	14.7	7.6	761	16.9	
607		11/6/2015	1111	1114	15.5	7.3	879	3.35	RESAMPLE
608		4/20/2015	1255	1301	14.2	7.5	2490	1131	
609		4/22/2015	1145	1149	13.7	7.2	2810	5.89	
609		10/20/2015	1203	1208	14.4	6.6	2850	3.13	
610		2/26/2015	1038	1041	10.7	6.9	1850	7.69	
610		11/6/2015	1015	1018	14.2	7.0	2130	3.19	RESAMPLE
611		4/22/2015	1037	1039	13.7	7.2	1640	7.82	MS/MSD VOAS
611		10/13/2015	1218	1219	16.4	7.3	1330	4.26	
612		1/7/2015	1009	1011	11.8	6.6	2850	4.22	
612		2/10/2015	1029	1031	10.2	6.5	3320	2.94	
612		3/24/2015	0923	0925	9.0	6.6	2930	3.25	
612		4/16/2015	1346	1348	11.9	6.8	2970	1.00	
612		5/5/2015	1016	1018	14.0	6.8	3580	3.06	
612		6/1/2015	1241	1243	14.3	7.0	3820	2.61	
612		7/1/2015	1236	1238	16.9	6.8	3570	5.17	
612		10/27/2015	1332	1334	15.6	6.8	4230	1.45	
617		1/7/2015	1022	1024	13.2	6.7	2940	1.66	
617		2/10/2015	1035	1038	12.4	6.7	2770	2.94	
617		3/24/2015	0929	0931	12.5	6.6	3520	2.34	
617		4/16/2015	1353	1355	12.6	7.1	2880	0.46	
617		5/5/2015	1022	1024	13.2	7.1	3030	1.43	
617		6/1/2015	1247	1250	12.2	7.1	3080	2.36	
617		7/1/2015	1242	1244	13.5	7.0	3170	2.45	
617		10/20/2015	0951	0953	13.6	6.8	4430	4.20	
618		1/14/2015	1100	1102	9.3	6.7	1462	2.42	
618		4/29/2015	1335	1337	11.2	7.1	1404	5.39	
618		7/27/2015	0952	0954	16.3	7.0	1520	5.91	
618		10/15/2015	1119	1122	15.5	6.8	1570	1.16	
622		4/22/2015	1132	1134	13.8	7.5	1110	5.52	
622		10/12/2015	1232	1233	16.2	7.3	910	2.35	
623	311	4/21/2015	1122	1124	12.6	7.4	1430	2.20	QC DUPLICATE #311
623		10/9/2015	1020	1021	13.2	7.4	1400	3.44	
624		4/21/2015	1342	1343	13.7	7.5	790	4.40	
624		10/12/2015	1108	1109	13.2	7.3	760	3.65	
627		2/11/2015	1047	1054	10.9	5.9	1248	9.88	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
627		7/23/2015	1040	1041	16.4	6.2	1180	13.9	
627		10/26/2015							NO SAMPLE, DRY WELL
627		12/28/2015	1024	1028	15.0	6.2	1900	3.71	
628	311	1/5/2015	1256	1258	11.3	6.8	1287	1.94	QC DUPLICATE #311
628		2/4/2015	1045	1047	10.1	7.0	1197	0.87	
628		3/3/2015	1136	1138	9.4	6.8	1181	1.79	
628		4/16/2015	1315	1317	10.5	6.9	1126	1.19	
628		5/5/2015	0931	0933	10.7	7.2	1116	1.38	
628		6/1/2015	1208	1210	10.6	7.3	1178	4.19	
628		7/1/2015	1205	1207	12.4	7.1	1262	7.61	
628		10/15/2015	0932	0933	12.8	7.0	1080	2.81	
628A		1/5/2015	1302	1304	11.2	7.0	1270	1.28	
628A		2/4/2015	1052	1054	10.2	7.0	1195	0.60	
628A		3/3/2015	1142	1144	9.6	7.0	1164	1.25	
628A		4/16/2015	1322	1324	9.9	7.0	1115	1.20	
628A		5/5/2015	0937	0939	10.5	7.3	1113	1.10	
628A		6/1/2015	1214	1218	10.6	7.4	1177	3.16	
628A		7/1/2015	1211	1213	11.9	7.3	1242	3.81	
628B		1/5/2015	1308	1310	11.2	6.9	1274	0.93	
628B		2/4/2015	1059	1101	10.2	7.0	1195	0.56	
628B		3/3/2015	1149	1151	9.6	6.8	1165	0.78	
628B		4/16/2015	1329	1331	9.7	7.1	1121	0.74	
628B		5/5/2015	0943	0945	10.4	7.2	1107	0.40	
628B		6/1/2015	1220	1222	10.5	7.3	1178	1.49	
628B		7/1/2015	1217	1219	11.9	7.1	1241	2.41	
638		1/15/2015	1104	1107	12.1	7.0		524	SPEC COND = 11060
638		4/21/2015	1216	1221	12.0	7.7	9930	541	
638		7/27/2015	1240	1241	16.4	7.5		376	SPEC COND = 10150
639		1/15/2015							NO SAMPLE, DRY WELL
639		4/21/2015							NO SAMPLE, DRY WELL
639		7/27/2015							NO SAMPLE, DRY WELL
640		1/15/2015	1116	1119	13.6	7.2	1107	651	
640		4/21/2015	1253	1301	12.2	7.7	932	996	
640		7/27/2015	1303	1304	17.4	7.5	770	352	
640		10/8/2015	1341	1345	19.3	6.8	4390	158	
701		2/19/2015	1112	1116	10.1	6.9	1359	1000	
702		2/19/2015	1004	1008	7.2	6.7	1361	500	
702		10/8/2015	1023	1027	15.6	6.9	2060	360	
704		4/21/2015	1253	1256	13.3	7.4	1426	5.00	MS/MSD VOAS
706		5/1/2015	1036	1039	16.5	7.1	3380	14.4	
706		10/16/2015	1002	1005	14.9	6.6	3530	34.1	
711		4/20/2015	1328	1330	14.8	7.4	1720	12.6	
714		2/18/2015	1230	1234	12.4	7.0	2250	77.3	
714		10/8/2015							NO SAMPLE, DRY WELL
714		12/28/2015							NO SAMPLE, DRY WELL
716		4/21/2015	1153	1156	14.8	7.4	4410	18.3	
716		10/13/2015	1300	1303	15.1	7.5	4540	3.23	
720		4/27/2015	1212	1213	12.1	7.1	2200	18.1	
720		10/13/2015	1358	1359	13.0	7.0	1610	>1000	
722		4/21/2015	1353	1354	13.7	7.2	2400	2.68	
732		4/27/2015	0957	0952	15.8	7.4	840	6.26	
732		10/12/2015	0931	0932	15.5	7.3	870	2.48	
734		4/21/2015	0947	0948	15.2	7.2	1800	4.7	
734		10/14/2015	1318	1319	15.8	7.2	1880	11.1	
735		2/10/2015	1139	1144	12.4	5.8	4400	11.6	
735		7/23/2015	1145	1146	16.0	6.5	2530	4.58	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
735		10/20/2015	1141	1145	16.1	6.7	3030	5.81	
737		4/20/2015	1404	1407	13.8	7.8	798	48.2	
737		10/12/2015	1355	1358	15.9	7.0	812	28.1	
739		4/22/2015	0924	0925	14.4	7.3	1750	2.06	
740		4/24/2015	0925	0940	10.6	7.7	7540	8.2	
740		7/23/2015	1101	1106	22.3	7.4	7030	245	
740		10/26/2015							NO SAMPLE, DRY WELL
740		12/28/2015							NO SAMPLE, DRY WELL
742		2/23/2015	1319	1323	12.6	7.1	1369	253	
742		10/12/2015	1425	1426	14.5	7.4	1240	73.9	
743		4/22/2015							NO SAMPLE, DRY WELL
743		5/5/2015	1350	1355	13.9	7.4	8860	39.4	
744		1/12/2015	1021	1024	11.6	6.8	1730	1.70	
744	312	5/5/2015	1230	1234	13.0	7.2	1720	1.95	QC DUPLICATE #312
744		7/27/2015	1136	1140	13.7	7.0	1810	2.36	
744		10/9/2015	1316	1319	14.1	7.1	1720	2.93	
745		1/12/2015	1138	1143	12.1	6.5	3030	7.86	
745		4/24/2015	1225	1240	8.2	6.9	3154	90.6	
745		7/27/2015	1146	1152	21.8	6.7	3000	13.7	
751		4/27/2015	1304	1326	12.0	7.2	1159	852	
753		4/27/2015	1200	1212	9.5	7.1	703	40.6	
754		4/23/2015	1305	1317	10.4	7.4	1657	36.5	
755		1/12/2015	1255	1259	11.6	7.1	668	5.19	
755		4/29/2015	1225	1230	11.5	7.2	1056	7.0	
755		7/27/2015	1028	1033	14.0	7.2	990	>1000	
755		10/21/2015	1237	1240	17.5	6.8	1580	4.57	
756		4/24/2015	1040	1050	9.8	7.3	4649	112	
757		1/15/2015	1144	1147	11.1	6.9	1211	>1000	
757	313	4/22/2015	0930	0936	10.6	7.5	1861	652	QC DUPLICATE #313
757	312	7/16/2015	0805	0808	15.7	7.3	1590	>1000	QC DUPLICATE #312
757	313	10/16/2015	1200	1201	18.7	7.5	610	>1000	QC DUPLICATE #315
761		2/18/2015	1015	1019	12.0	6.9	1830	274	
763	315	2/12/2015	1231	1236	13.5	7.3	1650	399	QC DUPLICATE #315
766		2/10/2015	1314	1318	14.1	6.8	5050	271	
766		7/23/2015	0930	0931	15.6	7.4	8880	272	
766		10/20/2015	0850	0851	15.5	7.2	5430	314.0	
767		4/27/2015	1044	1050	12.5	6.8	4699	978	
767		7/23/2015	0807	0808	14.4	6.9	5500	28.1	
767		10/20/2015	0804	0805	15.7	6.6	5270	8.22	
768		2/11/2015	1134	1138	13.4	6.6	6950	97.8	
768		7/23/2015	0850	0851	16.0	7.0	6820	26.3	
768		10/20/2015	0833	0834	16.5	6.8	6160	6.72	
769	316	2/10/2015	1118	1123	13.5	6.7	3710	>1000	QC DUPLICATE #316
769		7/23/2015	1241	1245	15.9	7.1	3390	>1000	
769		10/20/2015	1054	1055	15.5	7.2	2900	1000	
771		4/24/2015	0829	0837	11.0	7.2	1857	098	
771		7/23/2015	1209	1213	24.3	6.9	5060	86.6	
771		10/20/2015	0908	0909	15.8	6.8	3930	84.2	
772		1/15/2015	1243	1248	11.9	6.4	5130	>1000	
772	314	4/22/2015	1020	1040	10.3	6.9	5670	997	QC DUPLICATE #314
772		7/23/2015	0933	0937	18.5	6.6	5380	1000	
772		10/20/2015	1002	1003	19.3	6.3	3850	>1000	
773		1/20/2015	1124	1127	13.6	6.7	2480	55.4	
773		4/30/2015	0947	0950	13.4	6.9	3030	11.1	
773	313	7/23/2015	0827	0831	14.0	6.7	3810	315	QC DUPLICATE #313
773	314	10/20/2015	1302	1306	15.1	6.5	3920	3.31	QC DUPLICATE #314

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
774	316	1/20/2015	1311	1316	13.9	6.3	5630	4.98	QC DUPLICATE #316
774		4/30/2015	1313	1316	13.7	6.8	5570	9.73	
774		7/27/2015	1257	1301	16.4	6.5	5580	6.43	
774		10/9/2015	1057	1100	17.1	6.6	5740	5.11	
775		4/30/2015	1058	1102	12.7	6.6	4390	504	MS/MSD VOAS
777		1/22/2015	1043	1045	11.2	7.0	1276	2.41	
777		10/8/2015	0910	0911	12.1	6.9	1290	0.73	
779		4/22/2015	1435	1438	12.0	7.4	1780	3.22	
779		10/15/2015	1135	1139	12.1	6.9	1820	2.15	
789		2/19/2015	1306	1310	9.8	6.1	1600	>1000	
791		4/22/2015	1105	1118	10.2	7.3	4376	761	
792		4/22/2015	1320	1339	11.8	6.7	9780	560	
793		2/11/2015	1149	1155	13.0	6.5	5320	111	
793		7/23/2015	1300	1301	14.7	7.1	4380	263	
793		10/20/2015	1113	1114	16.4	6.9	4010	138.0	
832		1/13/2015	1317	1320	9.4	6.8	1214	5.78	MS/MSD VOAS
832		4/23/2015	0930	0935	8.9	7.2	409	16.1	
832		7/17/2015	1249	1252	13.3	6.9	1167	4.73	
857		3/17/2015	1116	1118	11.0	6.6	958	24.2	
857		4/28/2015	1129	1130	12.1	7.0	910	5.23	
857		7/16/2015	1333	1334	13.3	6.9	840	10.1	
857		10/15/2015	1335	1336	11.9	7.1	800	19.9	
858		3/17/2015	1340	1342	11.1	6.9	821	12.7	
858		4/28/2015	1043	1045	12.6	7.2	750	9.55	
858		7/16/2015	1323	1324	11.6	6.9	750	6.93	
858		10/16/2015	1024	1025	11.9	7.1	930	3.19	
859		3/23/2015	1149	1151	10.6	6.9	675	5.69	
859		4/28/2015	1245	1257	12.4	7.5	652	0.75	
859		7/17/2015	1006	1007	11.5	6.9	364	18.3	
860		3/23/2015	1136	1138	10.6	7.0	585	16.5	
860		4/28/2015	1230	1236	14.2	7.5	577	6.46	
860		7/17/2015	1208	1209	11.6	6.9	497	3.42	
861		3/23/2015	1259	1301	13.0	6.9	3340	220	
861		4/28/2015	1015	1024	12.0	7.4	2074	19.7	MS/MSD VOAS
861		7/17/2015	0942	0943	11.8	6.9	1420	44.9	
862		3/23/2015	1312	1314	10.5	6.9	1077	5.53	
862		4/28/2015	1030	1037	12.0	7.4	1077	2.12	
862		7/17/2015	0953	0954	11.4	6.8	940	42.8	
921		5/5/2015	1044	1047	15.0	7.2	2410	16.5	
921	315	10/22/2015	1029	1032	14.1	7.0	2610	5.56	QC DUPLICATE #315
922		4/24/2015	1128	1129	12.3	7.2	1970	311	
922		10/14/2015	0920	0921	13.6	6.8	544	68.7	
923		5/1/2015	1141	1144	14.0	7.0	2660	20.1	
923		10/22/2015	1453	1458	14.6	7.0	2680	8.28	
929		2/26/2015	1149	1152	11.0	6.8	2080	5.71	
929		10/21/2015	1409	1413	15.1	6.8	2230	2.56	
931		4/22/2015	1424	1425	13.3	7.3	3070	2.22	
931		10/9/2015	0929	0930	13.4	7.2	2570	2.78	
932		4/24/2015	0934	0935	12.7	7.1	1440	85.9	
932		10/13/2015	1038	1039	14.3	7.0	1560	5.79	
941		4/27/2015	1327	1330	14.4	7.4	2240	4.37	
941		10/14/2015	1026	1029	14.5	6.7	2190	3.38	
943		1/28/2015	1057	1059	10.5	7.0	1382	34.3	
943		10/14/2015	1150	1151	11.3	7.2	1160	8.47	
944		1/28/2015	1208	1210	10.9	7.1	1417	158	MS/MSD VOAS
944		10/8/2015	1252	1253	12.0	7.2	1190	286.0	

Field Parameters Database

WELL	QC_ID	DATE	START SAMP	END SAMPLE	TEMP	PH	SPEC_COND	TURBIDITY	COMMENTS
952		4/29/2015	1315	1319	11.6	7.3	1087	28.8	
952		10/19/2015	1346	1349	11.5	6.8	1153	123	
953		4/27/2015	1102	1106	13.0	7.3	2930	2.98	
953		10/21/2015	1203	1207	13.8	6.8	3020	9.50	
954		2/24/2015	1148	1149	11.5	6.9	2650	18.8	
954		10/9/2015	1246	1247	15.4	7.4	2060	60.5	
956		2/23/2015	1213	1215	10.9	7.0	2380	475	
956		10/9/2015	1148	1149	15.2	7.3	2290	318.0	
958		1/21/2015	1116	1118	10.8	7.2	844	1.81	
958		4/29/2015	1050	1101	12.6	7.7	793	9.45	MS/MSD VOAS
958		7/17/2015	1305	1306	12.8	7.1	750	2.55	
958		10/8/2015	1304	1305	12.6	7.2	720	0.55	
959		4/23/2015	1253	1257	13.5	7.2	2350	153	
959		10/23/2015	1130	1133	13.1	6.9	2670	49.7	
960	315	4/24/2015	1044	1048	13.1	7.3	2430	5.4	QC DUPLICATE #315
960		10/23/2015	1346	1349	13.4	6.9	2750	17.7	
963		1/8/2015	1151	1153	11.0	7.2	934	1.89	
963		4/29/2015	0929	0930	13.8	7.0	575	2.13	
963		7/17/2015	0923	0924	12.3	7.3	921	3.45	
963		10/8/2015	1025	1026	12.0	7.2	1080	0.93	
964		1/8/2015	1224	1225	10.5	7.2	1660	1.99	
964		4/28/2015	1259	1300	11.9	7.5	1670	139	
964		7/17/2015	0942	0943	12.2	7.3	1800	3.27	
964		10/8/2015	1038	1039	12.0	7.3	1540	2.00	
965	316	4/22/2015	1327	1330	13.6	7.3	2220	3.34	QC DUPLICATE #316
966		2/23/2015	1028	1030	11.2	6.7	1970	3.74	
966		4/22/2015	1032	1034	13.8	7.1	1830	1.64	
966		10/14/2015	1027	1028	13.5	6.8	1760	22.7	
987	317	1/20/2015	1018	1020	11.8	6.8	1464	18.0	QC DUPLICATE #317
987		4/27/2015	1340	1342	11.8	7.2	1040	6.81	MS/MSD VOAS
987	314	7/16/2015	1052	1054	12.2	7.1	1910	1.75	QC DUPLICATE #314
987	316	10/15/2015	1157	1158	12.0	7.1	1490	0.42	QC DUPLICATE #316
990		1/20/2015	1044	1046	11.4	6.8	1179	3.94	
990	317	4/27/2015	1356	1358	10.0	7.0	1220	1.26	QC DUPLICATE #317
990		7/16/2015	1105	1106	11.3	6.8	1370	4.80	
990		10/15/2015	1233	1234	13.5	7.0	1310	3.48	
998		2/18/2015	1306	1310	11.0	6.8	1640	59.3	
998		10/8/2015	1129	1132	14.3	7.0	675	38.5	
999	318	2/17/2015	1040	1045	12.1	6.8	1610	39.0	QC DUPLICATE #318
999		10/9/2015	1238	1241	13.7	7.1	1740	5.70	
NR360		1/7/2015	1029	1031	14.4	6.7	2940	2.08	COMP. 612 AND 617
NR360		2/10/2015	1042	1044	13.5	6.6	2810	3.2	COMP. 612 AND 617
NR360		3/24/2015	0935	0937	12.8	6.4	3500	1.35	COMP. 612 AND 617
NR360		4/16/2015	1401	1403	13.1	6.8	2910	0.48	COMP. 612 AND 617
NR360		5/5/2015	1028	1030	15.0	6.9	3060	0.51	COMP. 612 AND 617
NR360		6/1/2015	1254	1256	13.1	7.0	3090	10.0	COMP. 612 AND 617
NR360		7/1/2015	1248	1250	13.7	6.8	3160	3.39	COMP. 612 AND 617

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 01/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	37	16s	M	M	8	24	M	M	0722	1636		M	M	M	0.00	29.86	30.02	6.4	22	6.9	26	240	18	240	01
02	42	24	33	7	19	29	32	0	0722	1637		M	M	M	0.00	29.96	30.19	6.8	26	8.0	23	280	18	280	02
03	35	23	29	3	24	28	36	0	0722	1638	RA FZRA SN FG+ FZFG BR	M	M	M	0.57	30.30	30.44	0.5	35	0.9	13	120	10	130	03
04	51*	34	43*	18	36	38	22	0	0722	1639	RA FG+ FG BR	M	M	M	0.18	29.67	29.80	2.2	22	3.5	26	270	21	250	04
05	48	18	33	8	9	25	32	0	0722	1640		M	M	M	T	29.88	30.11	13.3	28	13.8	39	280	28	270	05
06	21	12	17	-8	6	15	48	0	0722	1641	SN HZ	M	M	M	T	30.08	30.21	3.9	23	5.1	18	250	14	250	06
07	24	9	17	-8	0	13	48	0	0722	1642		M	M	M	T	29.80	30.01	11.0	28	12.0	39	300	26	290	07
08	22	6	14	-11	-3	11	51	0	0722	1643		M	M	M	0.00	30.11	30.29	6.9	24	8.1	22	240	18	260	08
09	31	17	24	-1	9	20	41	0	0722	1644	SN	M	M	M	0.06	29.85	30.03	8.1	25	10.4	33	260	25	260	09
10	23	14	19	-6	0	14	46	0	0722	1645		M	M	M	0.00	30.17	30.40	9.7	25	9.9	26	270	18	260	10
11	31	9	20	-5	7	19	45	0	0721	1646		M	M	M	0.00	30.39	30.56	1.9	16	2.6	12	220	10	230	11
12	36	29	33	8	29	32	32	0	0721	1647	RA SN PL BR UP	M	M	M	0.52	30.09	30.25	0.8	34	2.4	17	010	13	340	12
13	35	7	21	-3	4	15	44	0	0721	1648		M	M	M	0.00	30.34	30.57	11.0	01	11.3	31	010	22	020	13
14	24	4	14	-10	4	12	51	0	0720	1649		M	M	M	0.00	30.27	30.41	1.7	36	2.2	10	010	9	020	14
15	33	20	27	3	13	21	38	0	0720	1650		M	M	M	0.00	29.91	30.05	0.6	28	1.5	11	330	8	330	15
16	40	18	29	5	11	24	36	0	0720	1651		M	M	M	0.00	29.70	29.92	9.3	28	11.8	39	290	28	300	16
17	26	6	16	-8	2	15	49	0	0719	1652		M	M	M	0.00	30.12	30.31	0.6	12	2.1	12	120	8	030	17
18	35	19	27	3	25	28	38	0	0718	1654	RA FZRA BR UP	M	M	M	1.08	29.80	29.92	0.4	23	0.5	10	160	7	270	18
19	42	32	37	13	25	33	28	0	0718	1655		M	M	M	0.00	29.57	29.77	8.8	27	9.8	27	280	20	280	19
20	36	23	30	6	16	26	35	0	0717	1656		M	M	M	0.00	29.72	29.92	5.6	29	7.5	23	310	17	290	20
21	30	13	22	-2	10	19	43	0	0717	1657	SN BR	M	M	M	T	29.96	30.15	2.3	33	2.7	13	020	10	020	21
22	37	17	27	3	18	24	38	0	0716	1658	SN BR HZ	M	M	M	0.02	30.05	30.24	1.0	34	1.1	11	340	8	350	22
23	37	12	25	1	16	23	40	0	0715	1660		M	M	M	0.00	30.04	30.18	2.3	22	2.8	14	230	13	230	23
24	35	25	30	6	28	31	35	0	0715	1701	SN FG FZFG BR	M	M	M	0.34	29.41	29.52	2.7	32	3.4	15	280	12	290	24
25	38	20	29	5	15	27	36	0	0714	1702		M	M	M	0.00	29.51	29.74	6.1	28	9.4	27s	270	21	290	25
26	20	16	18	-6	8	16	47	0	0713	1703	SN HZ	M	M	M	T	29.83	29.98	10.1	01	10.4	24	020	17	360	26
27	23	15	19	-5	10	16	46	0	0712	1705	SN HZ	M	M	M	0.01	29.57	29.76	12.5	36	12.9	28s	360	21	010	27
28	30	3	17	-7	3	14	48	0	0711	1706	HZ	M	M	M	0.00	29.85	30.07	4.1	34	4.8	25	340	16	350	28
29	32	-5*	14*	-10	5	14	51	0	0710	1707	SN BR	M	M	M	0.02	30.06	30.21	1.2	18	1.6	15	140	9	150	29
30	37	18	28	4	18	26	37	0	0710	1708	SN BR	M	M	M	0.14	29.71	29.89	7.6	32	8.6	36	330	23	330	30
31	26	5	16	-8	-4	11	49	0	0709	1710		M	M	M	0.00	29.93	30.12	9.7	33	10.4	32	300	22	340	31
	32.8	15.5	24.2		12.0	21.4	40.7	0.0	<-----Monthly Averages | Totals----->			M	M	M	2.94	29.92	30.09	3.6	29	6.4	<Monthly Average				
	-2.6	-0.2	-1.4	<----------Departure From Normal---------->											-0.14										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	1222	-1	M	M
Cooling:	0	0	M	M

Greatest 24-hr Precipitation: 1.08 Date: 18
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.69	13	2048
Minimum	29.27	24	1603

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 14
Thunderstorms : 0
Min Temp <=32: 30
Min Temp <=0 : 1
Heavy Fog : 2
Precipitation >=.01 inch: 10
Precipitation >=.10 inch: 6
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: 02/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	35	2	19	-5	13	22	46	0	0708	1711	SN BR	M	M	M	0.02	29.96	30.12	1.4	24	2.5	13	240	10	240	01
02	25	11	18	-6	11	16	47	0	0707	1712	SN FZFG BR HZ	M	M	M	0.46	29.52	29.69	8.6	35	9.2	25	360	18	360	02
03	26	-6	10	-15	0	8	55	0	0706	1713	HZ	M	M	M	0.00	29.98	30.20	0.7	22	2.9	19	240	16	250	03
04	35	2	19	-6	14	20	46	0	0704	1715	HZ	M	M	M	Ts	29.99	30.12	0.7	20	1.2	11	180	8	160	04
05	31	1	16	-9	8	19	49	0	0703	1716	SN BR	M	M	M	0.07	29.83	30.03	8.4	33	9.1	31	350	22	330	05
06	24	-10	7	-18	-2	6	58	0	0702	1717	HZ	M	M	M	T	29.98	30.16	4.8	24	5.3	30	240	22	240	06
07	32	8	20	-5	16	23	45	0	0701	1718	SN HZ	M	M	M	T	29.90	30.06	2.7	21	3.0	15	190	10	230	07
08	32	25	29	4	23	27	36	0	0660	1720	SN BR HZ	M	M	M	0.09	29.76	29.94	2.9	02	4.0	12	080	10	080	08
09	25	21	23	-2	18	22	42	0	0659	1721	SN BR HZ	M	M	M	0.33	29.85	30.04	6.7	36	6.9	14	010	12	010	09
10	36	23	30	4	18	25	35	0	0658	1722		M	M	M	T	29.91	30.08	11.4	01	11.5	26	010	21	020	10
11	32	12	22	-4	8	18	43	0	0656	1724		M	M	M	0.00	29.88	30.04	4.9	02	5.3	28	010	21	010	11
12	38	15	27	1	17	24	38	0	0655	1725	SN FG+ FZFG BR	M	M	M	0.03	29.61	29.79	2.5	32	6.7	32	330	22	330	12
13	20	-3	9	-17	-8	7	56	0	0654	1726		M	M	M	0.00	29.89	30.09	6.2	30	7.1	26	350	20	330	13
14	24	-7	9	-17	5	10	56	0	0652	1727	SN FZFG BR	M	M	M	0.09	29.65	29.77	0.4	01	1.3	18	200	12	190	14
15	19	2	11	-16	-2	10	54	0	0651	1729	HZ	M	M	M	0.00	29.57	29.80	12.7	31	13.5	40	010	26	350	15
16	20	-14*	3*	-24	-12	5	62	0	0650	1730		M	M	M	0.00	29.93	30.11	2.7	33	4.1	29s	320	22	330	16
17	26	1	14	-13	0	11	51	0	0648	1731	SN HZ	M	M	M	T	29.78	29.94	2.6	01	2.7	12	350	10	020	17
18	31	-8	12	-15	3	11	53	0	0647	1732	BR HZ	M	M	M	T	29.67	29.83	0.8	20	1.2	13	200	8	220	18
19	21	5	13	-15	-1	11	52	0	0646	1734		M	M	M	0.00	29.57	29.78	10.8	27	11.7	32	290	24	270	19
20	20	-1	10	-18	-8	6	55	0	0644	1735		M	M	M	0.00	29.98	30.21	9.6	25	10.1	27	280	22	260	20
21	27	-8	10	-18	5	12	55	0	0643	1736	SN BR HZ	M	M	M	0.21	30.21	30.35	2.6	19	3.0	25	200	16	190	21
22	42*	25	34*	6	24	29	31	0	0641	1737	SN BR	M	M	M	0.06	29.97	30.15	0.6	33	1.0	8	350	6	280	22
23	28	-1	14	-15	-1	13	51	0	0640	1738	HZ	M	M	M	T	30.09	30.29	6.9	32	7.8	29	330	20	340	23
24	22	-12	5	-24	-5	6	60	0	0638	1740		M	M	M	0.00	30.03	30.15	2.3	19	3.5	21	140	13	170	24
25	36	1	19	-10	5	17	46	0	0637	1741	BR	M	M	M	0.00	29.65	29.85	4.3	27	6.0	26	280	22	250	25
26	22	13	18	-12	6	16	47	0	0635	1742	SN HZ	M	M	M	T	29.86	30.05	6.2	01	6.5	19s	010	15	030	26
27	28	0	14	-16	0	12	51	0	0634	1743	BR HZ	M	M	M	0.00	30.21	30.40	1.8	35	2.5	15	340	10	290	27
28	29	-7	11	-19	-1	9	54	0	0632	1744		M	M	M	0.00	30.55	30.74	0.1	18	0.4	9	360	7	360	28
	28.1	3.2s	15.7s		5.5	14.8	49.1	0.0	<-----Monthly Averages | Totals----->				M	M	1.36	29.88	30.06	2.8	32	5.4	<Monthly Average			
	-11.3	-14.6	-12.9	<----------Departure From Normal---------->											-1.30									

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	1374	355	M	M
Cooling:	0	0	M	M

Greatest 24-hr Precipitation: 0.48s Date: 01-02
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.82	28	1055
Minimum	29.42	02	1408

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 22
Thunderstorms : 0
Min Temp <=32: 28
Min Temp <=0 : 12
Heavy Fog : 1
Precipitation >=.01 inch: 9
Precipitation >=.10 inch: 3
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: 03/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	26	0	13	-18	12	16	52	0	0631	1746	SN BR	M	M	M	0.29	30.37	30.49	1.3	19	2.1	14	190	10	190	01
02	36	21	29	-2	15	25	36	0	0629	1747	BR HZ	M	M	M	0.00	29.94	30.14	7.6	29	8.5	34	270	23	290	02
03	35	2	19	-13	12	19	46	0	0628	1748	FZRA SN BR UP HZ	M	M	M	0.52	30.11	30.23	2.2	17	3.4	20	190	13	170	03
04	43	35	39	7	32	35	26	0	0626	1749	SN BR UP	M	M	M	0.01	29.62	29.81	5.3	23	5.9	17	230	14	250	04
05	37	16	27	-5	12	22	38	0	0624	1750	SN BR	M	M	M	0.02	29.91	30.13	7.1	36	7.8	26	360	21	020	05
06	27	-2*	13*	-20	0	13	52	0	0623	1751		M	M	M	0.00	30.27	30.43	0.9	20	2.1	14	300	10	330	06
07	36	15	26	-7	11	22	39	0	0621	1753		M	M	M	0.00	29.99	30.14	5.0	22	5.3	21	240	16	230	07
08	45	22	34	0	21	30	31	0	0619	1754		0	M	0.0	0.00	29.86	30.04	5.1	28	6.1	30	300	22	280	08
09	49	18	34	0	20	29	31	0	0618	1755		M	M	M	0.00	29.96	30.14	3.9	27	4.3	22	250	17	270	09
10	53	20	37	3	27	33	28	0	0616	1756	RA FG+ FG BR	M	M	M	0.08	30.03	30.18	0.9	19	1.8	16	210	12	210	10
11	60*	33	47*	12	29	39	18	0	0615	1757	FG+ BR	M	M	M	0.00	29.77	29.95	5.0	27	5.4	23	290	17	270	11
12	44	24	34	-1	9	29	31	0	0613	1758		M	M	M	0.00	30.16	30.38	8.8	33	10.3	36	320	24	320	12
13	43	19	31	-4	12	27	34	0	0611	1759		M	M	M	0.00	30.37	30.52	1.8	18	2.9	15	180	10	180	13
14	43	34	39	3	35	38	26	0	0610	1801	RA FG+ FG BR	M	M	M	0.44	29.84	29.94	0.7	16	1.1	11	230	7	220	14
15	45	35	40	4	26	35	25	0	0608	1802		M	M	M	0.00	29.58	29.79	11.5	29	12.5	36	350	28	330	15
16	48	25	37	1	25	32	28	0	0606	1803		M	M	M	0.00	29.75	29.90	1.1	29	1.6	13	330	9	330	16
17	52	32	42	5	25	34	23	0	0604	1804	BR	M	M	M	0.03	29.49	29.68	6.1	31	7.7	37	300	26	300	17
18	36	22	29	-8	9	24	36	0	0603	1805		M	M	M	0.00s	29.83	30.03	11.1	31	11.6	40	290	29	300	18
19	41	15	28	-9	7	22	37	0	0601	1806		M	M	M	0.00	30.09	30.28	4.9	32	5.0	26	310	23	320	19
20	34	22	28	-10	19	25	37	0	0559	1807	SN FZFG BR HZ	M	M	M	0.13	30.11	30.27	1.4	09	2.6	19s	120	10	110	20
21	45	28	37	-1	28	33	28	0	0558	1808	SN BR	M	M	M	T	29.82	29.96	3.1	24	4.3	27	270	21	270	21
22	39	23	31	-7	10	25	34	0	0556	1810		M	M	M	0.00	29.85	30.05	10.0	31	11.9	28	320	22	300	22
23	37	19	28	-11	4	21	37	0	0554	1811		M	M	M	0.00	30.03	30.21	7.0	33	8.4	24	320	17	330	23
24	42	19	31	-8	10	24	34	0	0553	1812		M	M	M	0.00	30.14	30.33	3.9	01	5.0	17	350	13	020	24
25	50	18	34	-6	23	30	31	0	0551	1813	RA BR	M	M	M	0.11	30.15	30.30	1.7	18	2.2	21	200	14	180	25
26	50	35	43	3	39	41	22	0	0549	1814	RA BR HZ	M	M	M	0.32	29.70	29.81	2.2	35	3.5	18	360	14	020	26
27	46	36	41	1	31	37	24	0	0548	1815	RA BR	M	M	M	0.11	29.56	29.75	4.2	35	4.6	18	010	14	360	27
28	36	27	32	-9	20	28	33	0	0546	1816	SN HZ	M	M	M	T	29.70	29.90	9.5	35	10.1	27s	350	20	010	28
29	45	18	32	-9	8	25	33	0	0544	1817		M	M	M	0.00	30.00	30.17	1.3	33	2.8	17	230	12	230	29
30	51	29	40	-1	25	35	25	0	0542	1818	SN BR	M	M	M	0.02	29.67	29.83	5.7	24	7.7	27	260	21	260	30
31	46	32	39	-3	28	34	26	0	0541	1819	RA FG BR	M	M	M	0.09	29.62	29.80	5.5	25	7.3	20s	230	15	220	31
	42.6	22.3	32.5		18.8	28.5	32.3	0.0	<-----Monthly Averages | Totals----->			M	M	M	2.17	29.91	30.08	3.2	30	5.7	<Monthly Average				
	-5.5	-3.2	-4.3	<----------Departure From Normal---------->											-1.40										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	1001	127	M	M
Cooling:	0	0	M	M

Greatest 24-hr Precipitation: 0.52 Date: M
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.73	01	0202
Minimum	29.52	17	0946

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 2
Thunderstorms : 0
Min Temp <=32: 25
Min Temp <=0 : 2
Heavy Fog : 3
Precipitation >=.01 inch: 13
Precipitation >=.10 inch: 7
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: 04/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	52	24	38*	-4	16	30	27	0	0539	1821	RA	M	M	M	T	29.83	30.05	3.8	31	4.3	20	350	16	340	01
02	67	24*	46	4	26	39	19	0	0537	1822	RA	M	M	M	T	29.91	30.05	4.9	20	5.8	29	210	21	220	02
03	65	54	60	17	47	52	5	0	0536	1823	RA FG+ FG BR	M	M	M	0.45	29.60	29.74	2.3	25	3.2	11	220	9	250	03
04	54	37	46	3	27	39	19	0	0534	1824	RA FG+ BR	M	M	M	0.15	29.59	29.83	10.9	29	11.5	39	320	26	290	04
05	48	31	40	-4	29	36	25	0	0532	1825	SN	M	M	M	T	29.98	30.16	3.4	26	6.5	24	260	18	290	05
06	66	30	48	4	34	42	17	0	0531	1826	FG+ FZFG BR	M	M	M	0.00	30.04	30.20	1.6	19	3.7	20	230	14	220	06
07	51	43	47	3	39	43	18	0	0529	1827	RA BR	M	M	M	0.21	30.04	30.23	4.4	35	4.7	16	330	12	330	07
08	43	37	40	-5	35	38	25	0	0527	1828	RA BR	M	M	M	0.18	30.15	30.32	5.7	05	6.7	19	070	13	080	08
09	42	36	39	-6	34	37	26	0	0526	1829	RA BR	M	M	M	T	30.12	30.28	4.0	07	5.4	16	100	13	110	09
10	54	39	47	2	43	45	18	0	0524	1830	RA BR	M	M	M	0.24	29.75	29.88	3.5	22	4.7	17	240	14	240	10
11	55	32	44	-2	31	40	21	0	0523	1831	FG+ BR	M	M	M	0.00	29.78	29.99	8.9	28	9.3	32	270	24	270	11
12	69	27	48	2	28	40	17	0	0521	1833		M	M	M	0.00	30.08	30.25	1.3	18	2.5	14	230	10	220	12
13	72	36	54	8	37	48	11	0	0519	1834		M	M	M	0.00	30.04	30.21	6.5	17	6.8	24	160	16	150	13
14	65	46	56	9	40	49	9	0	0518	1835	RA	M	M	M	0.08	29.95	30.11	0.8	02	1.6	21	330	16	340	14
15	70	34	52	5	26	42	13	0	0516	1836		M	M	M	0.00	30.04	30.20	6.4	36	7.0	31	010	24	040	15
16	67	31	49	1	28	42	16	0	0515	1837		M	M	M	0.00	30.19	30.36	4.2	18	5.0	22s	170	16	220	16
17	70	47	59	11	50	54	6	0	0513	1838	RA	M	M	M	0.13	29.82	29.99	3.6	24	5.1	20	310	15	240	17
18	81*	39	60*	12	38	50	5	0	0512	1839		M	M	M	0.00	29.78	29.94	4.8	29	7.7	29s	290	24	290	18
19	67	44	56	7	30	44	9	0	0510	1840		M	M	M	0.00	30.00	30.17	1.9	06	6.7	20	150	16	020	19
20	58	45	52	3	47	50	13	0	0509	1841	RA BR HZ	M	M	M	0.54	29.68	29.79	6.6	10	7.7	29	110	20	120	20
21	64	43	54	5	40	49	11	0	0507	1842	RA BR	M	M	M	0.12	29.44	29.63	6.2	27	7.0	29s	310	21	280	21
22	68	39	54	4	36	45	11	0	0506	1843	RA SQ	M	M	M	0.13	29.49	29.64	5.8	23	7.6	42	230	31	270	22
23	48	38	43	-7	25	36	22	0	0504	1845		M	M	M	0.00	29.53	29.71	11.5	27	12.1	32	290	22	290	23
24	45	34	40	-11	20	33	25	0	0503	1846		M	M	M	0.00	29.67	29.85	9.4	30	10.1	26	280	21	290	24
25	60	26	43	-8	25	37	22	0	0501	1847		M	M	M	0.00	29.63	29.78	2.9	32	5.5	18	010	15	010	25
26	62	30	46	-5	30	40	19	0	0460	1848		M	M	M	0.00	29.51	29.67	4.2	34	4.8	20	010	14	360	26
27	60	45	53	1	35	45	12	0	0458	1849	RA	M	M	M	T	29.49	29.66	7.2	33	7.7	24	340	18	330	27
28	70	45	58	6	36	47	7	0	0457	1850		M	M	M	0.00	29.57	29.74	10.0	01	10.4	30	040	24	030	28
29	76	39	58	6	37	48	7	0	0456	1851		M	M	M	0.00	29.50	29.67	2.6	04	4.9	24	130	17	120	29
30	70	39	55	2	38	48	10	0	0454	1852		M	M	M	0.00	29.61	29.79	2.9	14	4.2	20	120	14	110	30
	61.3	37.1	49.2		33.6	42.9	15.5	0.0	<-----Monthly Averages | Totals----->				M	M	2.23	29.80	29.96	2.0	29	6.3	<Monthly Average				
	0.5	0.5	0.5	<----------Departure From Normal---------->											-1.55										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	465	-29	M	M
Cooling:	0	-5	M	M

Greatest 24-hr Precipitation: 0.64s Date: 20-21
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.48	16	0803
Minimum	29.43	04	0257

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 0
Min Temp <=32: 9
Min Temp <=0 : 0
Heavy Fog : 4
Precipitation >=.01 inch: 10
Precipitation >=.10 inch: 9
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: 05/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	65	47	56	3	40	48	9	0	0453	1853		M	M	M	0.00	29.75	29.93	2.1	13	3.1	14	090	12	100	01
02	77	42	60	6	40	50	5	0	0452	1854		M	M	M	0.00	29.77	29.94	1.2	01	5.2	24	030	20	320	02
03	79	41	60	6	40	51	5	0	0450	1855		M	M	M	0.00	29.86	30.04	1.0	18	1.9	11	310	8	020	03
04	87	46	67	13	41	55	0	2	0449	1856		M	M	M	0.00	29.95	30.11	6.2	22	6.5	28	220	22	240	04
05	83	60	72	17	48	59	0	7	0448	1858		M	M	M	0.00	29.98	30.15	1.9	35	3.8	18	360	14	010	05
06	72	48	60	5	44	53	5	0	0447	1859	RA	M	M	M	0.02	30.06	30.23	0.7	31	1.8	10	260	9	260	06
07	84	43	64	9	44	54	1	0	0445	1860		M	M	M	0.00	29.98	30.14	1.9	22	3.1	16	190	13	250	07
08	89	51	70	14	51	59	0	5	0444	1901		M	M	M	0.00	29.93	30.10	2.7	19	4.8	20	220	12	160	08
09	80	58	69	13	59	62	0	4	0443	1901		M	M	M	0.00	30.05	30.22	4.8	17	6.3	20	160	15	240	09
10	89	65	77*	20	61	67	0	12	0442	1902		M	M	M	0.00	29.96	30.12	5.4	21	6.7	27s	220	18	240	10
11	89	61	75	18	63	67	0	10	0441	1903		M	M	M	0.00	29.87	30.02	4.7	20	6.1	25	160	17	180	11
12	88	60	74	17	56	63	0	9	0440	1904		M	M	M	T	29.63	29.80	6.7	26	9.2	38	230	28	250	12
13	68	41	55	-3	39	49	10	0	0439	1905		M	M	M	0.00	29.85	30.07	8.1	31	8.7	26	290	20	290	13
14	73	35*	54	-4	35	45	11	0	0438	1906		M	M	M	0.00	30.15	30.32	1.2	02	2.3	15	020	10	010	14
15	75	41	58	0	40	49	7	0	0437	1907	RA	M	M	M	T	30.08	30.23	1.7	17	2.9	16	160	13	170	15
16	76	54	65	7	57	60	0	0	0436	1908	RA BR	M	M	M	0.83	29.96	30.12	2.2	18	3.5	16	150	10	170	16
17	85	62	74	15	63	67	0	9	0435	1909	FG+ FG BR	M	M	M	0.01	29.93	30.09	0.4	28	1.5	13	180	8	260	17
18	70	60	65	6	57	60	0	0	0434	1910	BR	M	M	M	0.00	29.96	30.11	4.0	14	4.9	19	090	13	080	18
19	82	56	69	9	59	62	0	4	0433	1911	RA BR	M	M	M	0.19	29.72	29.86	0.5	17	5.2	28s	030	21	020	19
20	60	43	52*	-8	40	47	13	0	0432	1912		M	M	M	0.00	29.72	29.90	5.5	32	6.9	29	320	21	320	20
21	66	43	55	-5	38	47	10	0	0431	1913		M	M	M	0.00	29.77	29.92	2.5	22	3.1	17	250	13	230	21
22	73	48	61	0	37	50	4	0	0430	1914		M	M	M	T	29.73	29.93	7.4	28	8.5	35	290	26	270	22
23	69	40	55	-6	28	43	10	0	0430	1915		M	M	M	0.00	30.12	30.32	4.0	30	6.0	20s	240	15	240	23
24	82	40	61	0	41	52	4	0	0429	1916		M	M	M	0.00	30.09	30.25	3.8	23	4.7	20	240	15	240	24
25	88	57	73	12	56	63	0	8	0428	1917		M	M	M	0.00	30.00	30.16	3.4	18	4.4	26	170	17	160	25
26	89*	63	76	14	62	67	0	11	0427	1917	RA	M	M	M	0.02	29.96	30.12	2.7	19	4.4	17	240	13	240	26
27	86	64	75	13	65	68	0	10	0427	1918	TS RA BR	M	M	M	0.34	29.94	M	3.4	18	4.7	33	280	25	280	27
28	88	60	74	12	62	67	0	9	0426	1919	TS BR	M	M	M	0.00	29.94	30.13	3.1	26	5.9	24	290	18	270	28
29	84	53	69	7	56	62	0	4	0426	1920		M	M	M	0.00	30.07	30.23	1.4	22	3.4	14	240	12	240	29
30	87	61	74	11	63	67	0	9	0425	1921		M	M	M	0.00	29.93	30.09	5.3	17	6.3	24	220	15	210	30
31	75	54	65	2	59	61	0	0	0425	1922	TSRA RA BR	M	M	M	0.56	29.88	30.06	3.9	01	6.0	22	360	17	350	31
	79.3	51.5	65.4		49.8	57.2	3.0	3.6	<-----Monthly Averages | Totals----->				M	M	1.97	29.92	30.09	1.7	23	4.9	<Monthly Average				
	8.0	5.2	6.6	<----------Departure From Normal---------->											-2.44										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	94	-129	M	M
Cooling:	113	82	M	M

Greatest 24-hr Precipitation: 0.84 Date: 16-17
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.41	14	0841
Minimum	29.68	12	1732

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 3
Min Temp <=32: 0
Min Temp <=0 : 0
Heavy Fog : 1
Precipitation >=.01 inch: 7
Precipitation >=.10 inch: 4
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: 06/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	57	49	53*	-10	50	51	12	0	0424	1922	RA BR	M	M	M	0.61	29.96	30.14	4.8	05	5.1	13	030	9	060	01
02	59	48	54	-10	48	51	11	0	0424	1923	RA BR	M	M	M	0.47	29.97	30.14	3.5	01	3.7	11	020	8	360	02
03	73	50	62	-2	48	54	3	0	0423	1924		M	M	M	0.00	30.01	30.19	1.6	05	3.9	16	360	12	020	03
04	72	54	63	-2	50	55	2	0	0423	1925		M	M	M	0.00	30.06	30.22	3.9	14	4.6	17	150	10	150	04
05	75	53	64	-1	54	59	1	0	0422	1925		M	M	M	T	29.89	30.02	2.1	18	3.4	15	220	10	260	05
06	75	45	60	-5	48	56	5	0	0422	1926	RA	M	M	M	0.01	29.77	29.96	7.4	01	8.0	34	010	25	360	06
07	77	40*	59	-6	43	52	6	0	0422	1927		M	M	M	0.00	29.95	30.11	3.6	17	5.1	20	180	14	180	07
08	81	61	71	6	58	62	0	6	0422	1927	RA BR	M	M	M	0.33	29.73	29.86	5.8	16	6.9	21	180	14	170	08
09	82	60	71	6	63	66	0	6	0421	1928	RA	M	M	M	0.30	29.49	29.67	3.5	23	5.4	39	240	25	230	09
10	82	55	69	3	57	63	0	4	0421	1928		M	M	M	0.00	29.65	29.82	4.3	21	4.8	18	260	13	240	10
11	89*	63	76	10	63	68	0	11	0421	1929		M	M	M	0.01	29.67	29.85	3.8	26	5.3	22	270	15	260	11
12	88	62	75	9	64	68	0	10	0421	1930	TS BR	M	M	M	0.10	29.73	29.88	0.6	16	2.4	32s	230	18	230	12
13	82	60	71	5	60	65	0	6	0421	1930	BR	M	M	M	0.00	29.73	29.92	4.8	01	6.2	31	360	22	360	13
14	86	56	71	4	58	64	0	6	0421	1930	RA	M	M	M	0.06	29.85	30.02	0.5	17	2.2	14	170	10	170	14
15	74	65	70	3	64	66	0	5	0421	1931	RA BR	M	M	M	0.39	29.77	29.93	5.8	11	6.7	18	080	14	090	15
16	83	63	73	6	65	67	0	8	0421	1931	RA	M	M	M	0.03	29.70	29.86	2.0	16	3.9	22	360	8	360	16
17	78	60	69	2	56	61	0	4	0421	1932		M	M	M	0.00	29.90	30.08	1.9	04	4.5	21	020	16	010	17
18	72	63	68	1	60	63	0	3	0421	1932		M	M	M	0.00	29.85	30.00	3.9	16	5.1	15	180	9	180	18
19	84	65	75	7	62	67	0	10	0421	1932	BR	M	M	M	0.00	29.72	29.91	2.4	02	4.5	20	030	14	020	19
20	71	58	65	-3	57	61	0	0	0421	1933	BR	M	M	M	0.03	29.87	30.02	1.8	05	3.0	13	360	9	360	20
21	88	67	78*	10	68	70	0	13	0421	1933	RA BR	M	M	M	0.81	29.57	29.72	1.8	29	4.5	28	260	20	250	21
22	86	62	74	6	61	66	0	9	0422	1933	BR	M	M	M	0.00	29.73	29.91	2.0	26	2.9	24	240	17	250	22
23	87	64	76	8	67	70	0	11	0422	1933	TS	M	M	M	0.04	29.64	29.80	3.7	23	6.1	28	240	21	240	23
24	83	57	70	2	56	62	0	5	0422	1933		M	M	M	0.00	29.79	29.97	3.5	30	4.8	17	300	13	340	24
25	81	53	67	-2	56	61	0	2	0423	1934		M	M	M	0.00	29.83	29.99	2.9	23	3.3	20	230	15	240	25
26	81	63	72	3	57	63	0	7	0423	1934		M	M	M	0.00	29.80	29.98	4.0	02	4.4	18	020	14	030	26
27	70	56	63	-7	56	59	2	0	0423	1934	RA BR	M	M	M	0.48	29.91	30.05	2.6	06	3.4	20	100	12	070	27
28	65	56	61	-9	58	59	4	0	0424	1934	RA BR	M	M	M	0.36	29.57	29.71	3.5	36	5.0	15	360	12	010	28
29	76	60	68	-2	57	62	0	3	0424	1934		M	M	M	0.00	29.65	29.84	5.2	24	6.0	20	260	15	240	29
30	77	60	69	-1	63	66	0	4	0425	1934	RA	M	M	M	0.10	29.75	29.90	0.5	12	2.9	16	130	10	120	30
	77.8	57.6	67.7		57.6	61.9	1.5	4.4	<-----Monthly Averages | Totals----->				M	M	4.13s	29.78	29.95	0.1	11	4.6	<Monthly Average				
	-1.7	1.9	0.1	<----------Departure From Normal---------->											-0.30										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	46	-3	M	M
Cooling:	133	6	M	M

Greatest 24-hr Precipitation: 0.94s Date: 01-02
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.28	04	0948
Minimum	29.57	09	1327

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 2
Min Temp <=32: 0
Min Temp <=0 : 0
Heavy Fog : 0
Precipitation >=.01 inch: 16
Precipitation >=.10 inch: 10
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: 07/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	82	63	73	3	63	67	0	8	0425	1934	TSRA RA BR VCTS	M	M	M	0.37	29.59	29.76	4.6	24	6.1	29	240	23	230	01
02	79	58	69	-1	59	63	0	4	0426	1934		M	M	M	0.00	29.70	29.87	0.4	07	1.2	11	030	8	160	02
03	79	52	66	-4	53	59	0	1	0426	1933		M	M	M	0.00	29.78	29.95	0.8	03	2.0	15	340	9	350	03
04	74	59	67	-4	59	62	0	2	0427	1933	RA BR	M	M	M	0.08	29.78	29.96	0.6	28	1.4	8	340	6	310	04
05	83	56	70	-1	60	63	0	5	0427	1933	BR	M	M	M	0.00	29.90	30.08	0.6	23	1.2	12	260	8	250	05
06	85	59	72	1	63	67	0	7	0428	1933	BR	M	M	M	0.00	29.95	30.11	1.6	16	2.0	14	120	10	130	06
07	89	69	79	8	70	72	0	14	0428	1932	RA VCTS	M	M	M	0.05	29.81	29.97	3.0	16	4.6	19	250	15	260	07
08	85	69	77	6	68	71	0	12	0429	1932	BR	M	M	M	0.00	29.75	29.92	1.8	02	4.1	15	030	13	010	08
09	76	67	72	1	63	66	0	7	0430	1932	RA BR	M	M	M	0.07	29.77	29.91	1.5	12	4.2	13	180	9	140	09
10	84	63	74	2	60	66	0	9	0430	1931		M	M	M	0.00	29.74	29.94	6.4	35	6.7	22	340	16	020	10
11	87	57	72	0	57	63	0	7	0431	1931		M	M	M	0.00	29.88	30.05	0.5	31	1.5	12	270	8	280	11
12	88	59	74	2	61	66	0	9	0432	1930		M	M	M	0.00	29.83	29.99	1.0	24	1.7	11	300	8	250	12
13	88	64	76	4	63	68	0	11	0433	1930		M	M	M	0.00	29.71	29.86	2.7	14	3.5	16	110	12	120	13
14	82	63	73	1	65	68	0	8	0433	1929		M	M	M	0.00	29.50	29.64	2.4	14	3.0	15	110	12	130	14
15	81	63	72	0	61	66	0	7	0434	1929		M	M	M	0.00	29.50	29.70	8.2	01	8.2	28	360	21	010	15
16	80	52	66*	-6	49	57	0	1	0435	1928		M	M	M	0.00	29.85	30.02	4.3	01	5.0	25	340	18	350	16
17	85	51*	68	-4	55	61	0	3	0436	1928		M	M	M	0.00	29.88	30.04	4.0	18	4.8	19s	170	13	180	17
18	89	71	80	8	67	71	0	15	0437	1927	TSRA BR	M	M	M	0.42	29.75	29.89	3.7	18	5.0	18	030	14	250	18
19	96	68	82	10	69	73	0	17	0438	1926	BR	M	M	M	0.00	29.63	29.78	2.8	24	3.8	19	240	15	250	19
20	93	72	83*	11	67	73	0	18	0438	1926		M	M	M	0.00	29.52	29.67	3.7	25	5.0	21	230	16	250	20
21	90	64	77	4	65	69	0	12	0439	1925	RA	M	M	M	0.33	29.46	29.62	1.6	28	3.5	31	260	21	010	21
22	84	58	71	-2	54	61	0	6	0440	1924		M	M	M	0.00	29.56	29.75	3.9	28	4.9	23	300	17	290	22
23	85	54	70	-3	53	60	0	5	0441	1923		M	M	M	0.00	29.72	29.88	1.7	29	3.2	20	240	16	250	23
24	86	55	71	-2	54	61	0	6	0442	1922		M	M	M	0.00	29.76	29.93	0.9	34	2.2	17	310	12	260	24
25	89	55	72	-1	56	63	0	7	0443	1921		M	M	M	0.00	29.80	29.96	1.3	15	2.4	14	130	12	130	25
26	87	70	79	6	67	70	0	14	0444	1920	RA BR VCTS	M	M	M	0.42	29.78	29.95	2.9	15	3.7	21	150	15	140	26
27	88	67	78	5	67	70	0	13	0445	1920	BR	M	M	M	0.00	29.80	29.97	1.7	19	2.9	17	230	12	240	27
28	93	66	80	7	66	70	0	15	0446	1919	FG+ BR	M	M	M	0.00	29.80	29.96	0.6	28	1.0	12	300	9	360	28
29	96*	67	82	9	65	70	0	17	0447	1918		M	M	M	0.00	29.77	29.93	0.4	28	2.0	15	240	12	250	29
30	88	69	79	6	71	73	0	14	0448	1917	RA FG BR	M	M	M	0.21	29.67	29.82	2.2	19	2.9	24	280	20	290	30
31	89	63	76	4	59	65	0	11	0449	1916	BR	M	M	M	0.00	29.65	29.81	3.6	28	4.4	24	230	17	280	31
	85.8	62.0	73.9		61.6	66.3	0.0	9.2	<-----Monthly Averages | Totals----->			M	M	1.95	29.73	29.89	0.5	25	3.5	<Monthly Average				
	1.4	1.2	1.3	<----------Departure From Normal---------->											-2.70										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	0	-5	M	M
Cooling:	285	45	M	M

Greatest 24-hr Precipitation: 0.42 Date: 18
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

Sea Level Pressure	Value	Date	Time (LST)
Maximum	30.16	06	0559
Minimum	29.54	21	1652

Number of Days with -------->
Max Temp >=90: 5
Max Temp <=32: 0
Thunderstorms : 2
Min Temp <=32: 0
Min Temp <=0 : 0
Heavy Fog : 1
Precipitation >=.01 inch: 8
Precipitation >=.10 inch: 5
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: 08/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	90	62	76	4	58	65	0	11	0450	1914		M	M	M	0.00	29.60	29.77	4.1	27	5.1	25	270	18	240	01
02	89	58	74	2	56	63	0	9	0451	1913		M	M	M	0.00	29.70	29.86	3.7	23	3.8	25	230	18	240	02
03	93	62	78	6	60	67	0	13	0452	1912		M	M	M	0.00	29.61	29.77	4.0	20	4.7	24	220	17	240	03
04	90	65	78	6	62	68	0	13	0453	1911		M	M	M	0.04	29.65	29.82	4.8	24	6.0	25	260	18	250	04
05	86	58	72	0	55	62	0	7	0454	1910		M	M	M	0.00	29.71	29.88	4.2	29	5.2	25	270	16	280	05
06	82	53	68	-4	53	60	0	3	0455	1909		M	M	M	0.00	29.77	29.93	0.7	31	2.5	20	280	12	250	06
07	85	55	70	-2	55	61	0	5	0456	1907		M	M	M	0.00	29.75	29.91	2.4	02	3.0	17	020	14	010	07
08	86	56	71	-1	57	62	0	6	0457	1906		M	M	M	0.00	29.78	29.96	1.6	01	3.0	15	010	12	020	08
09	87	59	73	1	56	63	0	8	0458	1905		M	M	M	0.00	29.82	29.99	2.3	06	3.6	22	030	13	050	09
10	81	62	72	0	60	65	0	7	0459	1904		M	M	M	0.00	29.83	29.99	2.7	17	4.2	18	150	13	160	10
11	80	66	73	1	67	69	0	8	0460	1902	RA BR VCTS	M	M	M	1.08	29.62	29.77	1.8	14	3.5	17	240	13	280	11
12	85	61	73	1	60	64	0	8	0501	1860		M	M	M	0.00	29.65	29.83	2.7	31	3.5	29	310	21	300	12
13	82	57	70	-2	55	61	0	5	0502	1858		M	M	M	0.00	29.83	30.01	1.5	29	2.2	15	300	10	260	13
14	88	55	72	1	59	64	0	7	0503	1857		M	M	M	0.00	29.93	30.10	2.1	23	3.1	18	240	13	240	14
15	92	64	78	7	63	68	0	13	0504	1855	VCTS	M	M	M	0.00	29.90	30.07	1.9	26	4.1	24	030	21	030	15
16	91	65	78	7	66	70	0	13	0505	1854		M	M	M	0.00	29.91	30.08	1.1	01	1.7	11	230	8	300	16
17	95*	66	81	10	65	70	0	16	0506	1853		M	M	M	0.00	29.87	30.03	0.8	30	1.7	M	M	7	260	17
18	93	69	81*	10	66	71	0	16	0507	1851	VCTS	M	M	M	0.00	29.82	29.98	2.2	16	3.3	25	210	17	230	18
19	91	68	80	10	68	72	0	15	0508	1850		M	M	M	0.00	29.83	30.01	3.5	15	5.0	24	140	17	130	19
20	90	68	79	9	68	72	0	14	0509	1848	RA	M	M	M	T	29.81	29.97	7.7	14	8.1	26	130	17	180	20
21	85	63	74	5	62	67	0	9	0510	1847	RA BR VCTS	M	M	M	0.76	29.83	30.00	2.5	01	4.6	33	010	25	010	21
22	81	57	69	0	56	61	0	4	0511	1845		M	M	M	0.00	29.92	30.08	3.1	01	3.3	17	010	14	030	22
23	85	58	72	3	62	66	0	7	0512	1844		M	M	M	0.00	29.82	29.97	1.0	03	2.1	14	030	9	030	23
24	87	66	77	8	64	68	0	12	0513	1842		M	M	M	0.01	29.70	29.86	2.2	19	2.9	16	250	13	260	24
25	88	63	76	7	64	68	0	11	0514	1840	TSRA RA BR	M	M	M	0.23	29.66	29.83	3.3	25	3.8	19	280	15	280	25
26	82	56	69	0	55	61	0	4	0515	1839		M	M	M	0.00	29.77	29.95	2.0	28	2.9	19	260	15	240	26
27	79	57	68	0	55	60	0	3	0516	1837		M	M	M	0.00	29.86	30.04	1.7	29	3.0	15	330	12	290	27
28	79	52	66*	-2	54	59	0	1	0517	1836		M	M	M	0.00	29.98	30.15	1.0	32	1.4	13	330	10	320	28
29	84	52*	68	0	56	61	0	3	0518	1834		M	M	M	0.00	29.98	30.13	1.3	24	2.0	16	160	13	220	29
30	88	61	75	7	65	68	0	10	0519	1832	RA BR	M	M	M	0.09	29.88	30.03	0.9	26	1.8	20	320	15	320	30
31	91	65	78	11	66	70	0	13	0520	1831	BR	M	M	M	0.00	29.80	29.97	3.3	25	3.7	21s	260	16	260	31
	86.6	60.6	73.6		60.3	65.4	0.0	8.8	<-----Monthly Averages | Totals----->			M		M	2.21	29.80	29.96	0.9	24	3.5	<Monthly Average				
	4.0	1.0	2.5	<----------Departure From Normal---------->											-1.99										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	0	-12	M	M
Cooling:	274	73	M	M

Greatest 24-hr Precipitation: 1.08 Date: 11
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.22	29	0646
Minimum	29.69	11	1657

Number of Days with -------->
Max Temp >=90: 10
Max Temp <=32: 0
Thunderstorms : 1
Min Temp <=32: 0
Min Temp <=0 : 0
Heavy Fog : 0
Precipitation >=.01 inch: 6
Precipitation >=.10 inch: 3
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: 09/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	88	62	75	8	62	67	0	10	0521	1829	BR	M	M	M	0.00	29.85	30.02	1.3	01	1.7	12	020	9	010	01
02	92	59	76	9	62	67	0	11	0522	1827		M	M	M	0.00	29.80	29.94	0.2	23	1.6	14	240	10	240	02
03	92	62	77	11	64	69	0	12	0523	1826	BR	M	M	M	0.00	29.70	29.86	2.9	02	3.5	16	050	12	010	03
04	86	67	77	11	63	68	0	12	0524	1824		M	M	M	0.00	29.88	30.08	2.9	04	4.2	20	030	12	010	04
05	86	58	72	7	52	61	0	7	0525	1822		M	M	M	0.00	30.06	30.22	1.2	09	2.9	12	350	9	350	05
06	90	55	73	8	57	63	0	8	0526	1821		M	M	M	0.00	30.00	30.15	1.4	22	2.3	13	240	10	240	06
07	95	57	76	11	61	67	0	11	0527	1819		M	M	M	0.00	29.86	30.02	3.8	23	4.4	19	250	15	240	07
08	97*	69	83*	18	64	71	0	18	0528	1817		M	M	M	0.00	29.79	29.94	3.8	22	4.0	18	270	14	240	08
09	95	66	81	16	67	71	0	16	0529	1816	RA	M	M	M	T	29.70	29.85	2.9	22	4.8	22	230	17	240	09
10	79	66	73	8	66	68	0	8	0530	1814	RA BR	M	M	M	0.82	29.65	29.81	6.2	01	6.9	18	350	14	010	10
11	82	60	71	7	61	64	0	6	0531	1812	BR	M	M	M	0.05	29.59	29.76	5.2	36	6.1	19	010	14	010	11
12	79	55	67	4	62	64	0	2	0532	1811	RA BR	M	M	M	0.65	29.60	29.74	2.4	11	3.5	23	120	17	150	12
13	79	59	69	6	59	63	0	4	0533	1809	RA BR	M	M	M	0.17	29.52	29.70	4.6	23	6.8	23	120	16	250	13
14	74	52	63	0	49	56	2	0	0534	1807		M	M	M	0.00	29.80	30.00	7.6	26	8.6	30	280	22	260	14
15	82	50	66	4	53	58	0	1	0535	1805		M	M	M	0.00	30.08	30.26	0.5	24	1.5	15	280	8	270	15
16	85	52	69	7	55	60	0	4	0536	1804		M	M	M	0.00	30.11	30.27	0.2	35	0.4	9	360	7	360	16
17	86	53	70	8	56	61	0	5	0537	1802		M	M	M	0.00	29.96	30.11	1.1	24	1.3	13	240	10	240	17
18	86	53	70	9	56	61	0	5	0538	1800		M	M	M	0.00	29.83	29.99	1.5	19	2.2	14	170	10	180	18
19	84	56	70	9	59	64	0	5	0539	1758		M	M	M	0.00	29.74	29.89	2.5	19	3.8	20	230	14	230	19
20	74	48	61	1	52	58	4	0	0541	1757		M	M	M	T	29.82	30.01	7.9	02	8.1	29	020	21	030	20
21	73	47	60	0	47	53	5	0	0542	1755		M	M	M	0.00	30.03	30.21	3.0	36	3.8	15	010	12	350	21
22	72	50	61	1	49	54	4	0	0543	1753		M	M	M	0.00	30.09	30.27	2.9	36	3.2	14	010	12	360	22
23	79	45	62	3	46	52	3	0	0544	1752		M	M	M	0.00	30.08	30.24	2.3	35	2.6	15	310	12	320	23
24	81	45	63	4	52	56	2	0	0545	1750		M	M	M	0.00	30.11	30.29	3.2	34	3.2	20	330	14	330	24
25	74	52	63	5	50	55	2	0	0546	1748		M	M	M	0.00	30.19	30.35	1.0	07	1.7	12	100	9	090	25
26	72	49	61	3	48	53	4	0	0547	1746		M	M	M	0.00	30.25	30.43	1.3	03	2.3	14	020	12	030	26
27	76	41*	59*	1	47	53	6	0	0548	1745	BR	M	M	M	0.00	30.24	30.39	0.7	16	1.4	16	200	9	150	27
28	78	56	67	10	60	63	0	2	0549	1743		M	M	M	0.00	30.05	30.19	1.1	18	1.5	13	170	10	240	28
29	83	66	75	18	67	69	0	10	0550	1741	RA BR	M	M	M	0.12	29.85	29.99	2.4	18	3.4	15	230	10	150	29
30	74	53	64	8	59	62	1	0	0551	1740	RA BR HZ	M	M	M	1.65	29.62	29.81	9.7	01	10.8	31	020	22	020	30
	82.4	55.4	68.9		56.8	61.7	1.1	5.2	<-----Monthly Averages | Totals----->				M	M	3.46	29.90	30.06	0.9	34	3.8	<Monthly Average				
	7.4	4.3	5.8	<----------Departure From Normal---------->											-0.82										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	33	-90	M	M
Cooling:	157	93	M	M

Greatest 24-hr Precipitation: 1.76s Date: 29-30
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

Sea Level	Pressure	Date	Time (LST)
Maximum	30.49	26	0943
Minimum	29.60	30	0554

Number of Days with -------->
Max Temp >=90: 6
Max Temp <=32: 0
Thunderstorms : 0
Min Temp <=32: 0
Min Temp <=0 : 0
Heavy Fog : 0
Precipitation >=.01 inch: 6
Precipitation >=.10 inch: 5
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: 10/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	51	56	0	44	50	9	0	0552	1738	RA	M	M	M	0.01	29.94	30.13	13.4	01	13.6	28	360	21	010	01
02	53	48s	M	M	42	46	M	M	0553	1736	RA	M	M	M	0.06	30.07	30.26	10.2	01	11.4	23	010	15	010	02
03	53	46	50	-5	43	47	15	0	0554	1734	RA BR	M	M	M	0.20	30.17	30.35	8.0	02	8.2	23	020	16	040	03
04	64	44	54	-1	41	48	11	0	0555	1733		M	M	M	0.00	30.16	30.32	6.8	04	7.1	24	040	17	040	04
05	66	42	54	0	42	47	11	0	0556	1731		M	M	M	0.00	30.03	30.18	2.9	35	3.2	15	320	13	340	05
06	72	42	57	3	46	50	8	0	0557	1729	BR HZ	M	M	M	0.00	29.85	30.01	0.7	36	0.9	10	320	8	340	06
07	72	46	59	6	50	53	6	0	0558	1728		M	M	M	0.00	29.81	29.98	1.1	32	1.6	14	340	9	030	07
08	71	45	58	5	48	52	7	0	0560	1726		M	M	M	0.00	29.92	30.09	0.1	29	1.1	13	250	8	260	08
09	72	52	62	9	57	60	3	0	0601	1725	RA BR	M	M	M	0.07	29.71	29.86	2.9	23	5.8	26	320	20	330	09
10	63	39	51	-1	39	45	14	0	0602	1723		M	M	M	0.00	29.88	30.06	2.4	36	2.9	29	340	20	350	10
11	71	36	54	2	41	47	11	0	0603	1721		M	M	M	0.00	29.75	29.90	2.9	20	3.4	19	230	13	240	11
12	78	41	60	9	46	52	5	0	0604	1720		M	M	M	0.00	29.62	29.77	1.9	19	3.1	15	240	10	220	12
13	70	50	60	9	54	57	5	0	0605	1718		M	M	M	0.01	29.39	29.55	3.5	23	4.3	18	270	15	280	13
14	66	42	54	3	45	51	11	0	0606	1716		M	M	M	0.00	29.53	29.72	4.5	25	6.0	25	270	17	270	14
15	64	35	50	0	38	44	15	0	0607	1715		M	M	M	0.00	29.75	29.93	1.8	22	2.3	18	230	14	220	15
16	63	38	51	1	40	46	14	0	0608	1713	RA	M	M	M	0.01	29.76	29.94	3.8	27	5.0	23	260	17	290	16
17	54	29	42	-8	29	38	23	0	0610	1712		M	M	M	0.00	29.89	30.09	5.6	30	6.4	25	300	18	300	17
18	47	25	36*	-14	23	31	29	0	0611	1710		M	M	M	0.00	30.09	30.28	2.4	33	3.6	25	020	20	020	18
19	53	21*	37	-12	24	34	28	0	0612	1709		M	M	M	0.00	30.21	30.36	2.9	21	3.7	19	220	14	220	19
20	75	40	58	10	36	48	7	0	0613	1707		M	M	M	0.00	29.99	30.16	4.6	22	6.3	18	190	14	230	20
21	78	49	64	16	45	54	1	0	0614	1706		M	M	M	0.00	30.06	30.23	1.5	22	2.5	14	260	10	230	21
22	78*	50	64*	16	48	55	1	0	0615	1704		M	M	M	0.00	29.93	30.09	1.0	25	4.6	18	030	14	030	22
23	58	31	45	-2	31	41	20	0	0616	1703		M	M	M	0.00	30.04	30.24	7.6	01	8.2	27	040	21	030	23
24	54	28	41	-6	33	39	24	0	0618	1701		M	M	M	0.00	30.16	30.32	1.7	18	2.5	15	210	9	130	24
25	68	38	53	6	45	50	12	0	0619	1700	RA BR	M	M	M	0.22	29.92	30.10	2.9	27	4.3	28	290	20	270	25
26	59	30	45	-2	31	38	20	0	0620	1659		M	M	M	0.00	30.22	30.41	1.6	01	2.1	18	350	14	010	26
27	59	29	44	-2	34	39	21	0	0621	1657		M	M	M	0.00	30.35	30.52	0.9	27	1.2	13	240	9	250	27
28	71	39	55	9	50	53	10	0	0622	1656	RA BR HZ	M	M	M	1.00	29.99	30.06	6.2	11	7.5	28	200	20	160	28
29	72	47	60	14	47	56	5	0	0624	1655	RA BR	M	M	M	0.10	29.39	29.57	7.5	23	9.1	42	250	33	240	29
30	59	32	46	1	31	41	19	0	0625	1653		M	M	M	0.00	29.70	29.92	5.2	29	6.8	22	360	17	340	30
31	57	28	43	-2	30	38	22	0	0626	1652		M	M	M	0.00	29.97	30.13	1.3	19	2.2	13	240	10	240	31
	64.5	39.1	51.8		40.4	46.8	12.9	0.0	<-----Monthly Averages | Totals----->			M	M	1.71s		29.91	30.08	1.2	32	4.9	<Monthly Average				
	1.4	0.1	0.8	<----------Departure From Normal---------->											-2.76										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	387	-49	M	M
Cooling:	0	-4	M	M

Greatest 24-hr Precipitation: 1.09s Date: 28-29
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.59	27	1024
Minimum	29.47	29	0311

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 0
Min Temp <=32: 9
Min Temp <=0 : 0
Heavy Fog : 0
Precipitation >=.01 inch: 9
Precipitation >=.10 inch: 4
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: 11/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	64	45	55	10	44	48	10	0	0627	1651		M	M	M	0.00	29.73	29.90	3.0	18	3.7	22	240	15	240	01
02	64	38	51	6	40	45	14	0	0628	1650		M	M	M	0.00	29.86	30.05	0.1	34	0.8	12	280	8	010	02
03	78*	33	56	11	40	46	9	0	0630	1648		M	M	M	0.00	29.98	30.16	0.7	25	1.4	14	230	10	230	03
04	74	38	56	11	43	49	9	0	0631	1647		M	M	M	0.00	30.14	30.31	1.5	18	2.0	13	150	9	210	04
05	72	43	58	14	53	56	7	0	0632	1646	BR HZ	M	M	M	0.00	30.05	30.20	1.6	16	2.3	12	150	9	150	05
06	77	57	67*	24	59	63	0	2	0633	1645	FG+ BR	M	M	M	0.00	29.76	29.91	5.4	21	6.3	25	210	17	220	06
07	65	46	56	13	40	48	9	0	0634	1644		M	M	M	0.00	29.80	M	5.9	28	6.6	23	290	15	310	07
08	58	32	45	2	31	39	20	0	0636	1643		M	M	M	0.00	30.11	30.31	2.0	29	3.5	18	290	14	280	08
09	60	27	44	2	30	37	21	0	0637	1642		M	M	M	0.00	30.22	30.38	1.0	23	1.4	14	240	10	230	09
10	54	41	48	6	42	45	17	0	0638	1641	RA BR	M	M	M	0.28	29.93	30.06	4.1	36	4.6	16	360	12	010	10
11	54	46	50	8	46	48	15	0	0639	1640	RA BR HZ	M	M	M	0.78	29.68	29.87	5.7	01	5.8	19s	340	15	010	11
12	59	49	54	12	49	51	11	0	0641	1639	RA BR	M	M	M	0.21	29.59	29.72	4.3	18	6.1	24	260	18	260	12
13	58	42	50	9	34	44	15	0	0642	1638	RA	M	M	M	T	29.42	29.63	10.0	25	10.8	53	250	36	270	13
14	47	28	38	-3	27	36	27	0	0643	1637		M	M	M	T	29.81	30.02	8.7	28	9.7	30	310	23	290	14
15	59	27	43	2	30	38	22	0	0644	1636		M	M	M	0.00	30.01	30.18	2.8	22	4.2	20	220	15	220	15
16	65	33	49	9	35	42	16	0	0645	1635		M	M	M	0.00	30.01	30.21	2.7	01	3.5	21	010	15	020	16
17	51	27	39	-1	24	33	26	0	0647	1634		M	M	M	0.00	30.32	30.51	1.9	02	2.3	16	030	13	020	17
18	58	25	42	2	36	41	23	0	0648	1633		M	M	M	0.00	30.30	30.45	3.9	15	4.5	21	140	15	140	18
19	62	55	59	20	53	56	6	0	0649	1633	RA FG BR HZ	M	M	M	0.50	29.98	30.11	6.1	14	7.9	24	130	17	130	19
20	60	31	46	7	37	44	19	0	0650	1632		M	M	M	0.00	29.88	30.09	2.4	34	3.7	20	010	15	010	20
21	52	29	41	2	28	36	24	0	0651	1631		M	M	M	0.00	30.03	30.17	1.6	11	3.2	19	130	13	020	21
22	52	38	45	7	31	40	20	0	0653	1631	RA FG	M	M	M	0.01	29.73	29.90	4.3	36	6.8	28	360	20	350	22
23	43	23	33	-5	15	28	32	0	0654	1630		M	M	M	0.00	29.83	30.04	5.1	35	6.2	26	020	20	010	23
24	46	19*	33	-4	19	27	32	0	0655	1629		M	M	M	0.00	30.13	30.34	1.2	24	1.5	15	230	12	250	24
25	50	20	35	-2	23	29	30	0	0656	1629		M	M	M	0.00	30.55	30.72	0.7	15	1.1	11	130	9	160	25
26	57	24	41	4	32	37	24	0	0657	1628	BR	M	M	M	0.00	30.54	30.73	0.8	16	1.4	17	180	12	170	26
27	66	34	50	14	41	45	15	0	0658	1628	FG+ BR	M	M	M	0.00	30.31	30.38	2.8	20	3.5	25	230	17	230	27
28	58	36	47	11	40	44	18	0	0659	1628	RA	M	M	M	0.04	30.01	30.18	3.6	34	5.0	17	360	13	360	28
29	45	24	35	-1	24	32	30	0	0700	1627		M	M	M	0.00	M	30.28	5.1	01	5.4	17	350	13	030	29
30	42	21	32*	-3	23	28	33	0	0701	1627		M	M	M	0.00	30.25	30.42	0.9	02	1.3	11	010	9	010	30
	58.3	34.4	46.4		35.6	41.8	18.5	0.1	<-----Monthly Averages | Totals----->				M	M	1.82	30.00	30.17	0.8	28	4.2	<Monthly Average				
	6.0	3.5	4.8	<----------Departure From Normal---------->											-1.65										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	554	-148	M	M
Cooling:	2	2	M	M

Greatest 24-hr Precipitation: 1.06s Date: 10-11
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.82	26	0743
Minimum	29.48	12	2036

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 0
Min Temp <=32: 14
Min Temp <=0 : 0
Heavy Fog : 2
Precipitation >=.01 inch: 6
Precipitation >=.10 inch: 4
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: 12/2015

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 Depth	1800 UTC Water Equiv	2400 LST Snow Fall	2400 LST Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second Speed	max 5-second Dir	max 2-minute Speed	max 2-minute 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	45	36	41	6	36	39	24	0	0703	1626	RA BR UP	M	M	M	0.25	29.98	30.18	2.3	36	2.9	10	120	8	030	01
02	50	42	46	12	44	45	19	0	0704	1626	RA BR	M	M	M	0.55	29.65	29.79	0.7	15	1.5	16	130	13	290	02
03	51	39	45	11	34	41	20	0	0705	1626		M	M	M	0.00	29.71	29.87	7.4	27	8.1	28	260	20	260	03
04	52	26	39	5	30	36	26	0	0706	1626		M	M	M	0.00	30.23	30.40	2.2	28	2.6	21	300	16	270	04
05	52	26	39	6	28	M	26	0	0707	1626		M	M	M	0.00	M	30.63	0.8	31	0.9	11	010	8	340	05
06	45s	24s	M	M	28	M	M	M	0708	1626	BR	M	M	M	0.00	M	30.42	0.0	20	0.3	5	090	5	050	06
07	50	25*	38	5	28	33	27	0	0708	1625	FG+ FZFG BR	M	M	M	0.00	29.98	30.13	2.3	35	2.9	18	010	13	010	07
08	46	32s	M	M	29	M	M	M	0709	1625		M	M	M	0.00	M	30.11	3.9	35	4.8	16	360	12	310	08
09	52s	26s	M	M	M	M	M	M	0710	1625		M	M	M	0.00	M	M	M	M	1.6	13	140	8	150	09
10	60	38	49	17	41	M	16	0	0711	1625	BR	M	M	M	0.00	M	29.93	0.8	18	2.3	13	220	10	220	10
11	61	35	48	17	40	44	17	0	0712	1626	BR HZ	M	M	M	0.00	29.73	29.90	1.6	19	2.3	12	240	9	240	11
12	62	41	52	21	43	48	13	0	0713	1626		M	M	M	0.00	29.92	30.09	1.3	22	1.8	14	230	10	240	12
13	58	50	54	23	42	48	11	0	0714	1626		M	M	M	0.00	29.96	30.13	1.6	35	3.4	17	130	12	160	13
14	64	51	58	28	51	54	7	0	0714	1626	RA BR HZ VCTS	M	M	M	0.19	29.58	29.77	4.0	15	4.6	19	170	13	170	14
15	64	48	56	26	42	50	9	0	0715	1626		M	M	M	0.04	29.38	29.56	9.2	28	11.4	35	280	24	290	15
16	53	38	46	16	34	41	19	0	0716	1627	BR	M	M	M	0.00	29.91	30.07	2.0	05	4.4	16	130	13	150	16
17	54	45	50	21	48	49	15	0	0716	1627	RA BR	M	M	M	0.67	29.68	29.84	0.1	17	1.5	12	120	10	110	17
18	52	34	43	14	32	40	22	0	0717	1627	BR	M	M	M	0.00	29.54	29.72	5.7	34	7.1	19	010	15	020	18
19	39	33	36	7	19	30	29	0	0718	1628		M	M	M	0.00	29.80	30.03	11.9	26	12.4	35	250	24	250	19
20	42	27	35	6	19	29	30	0	0718	1628		M	M	M	0.00	30.22	30.41	4.0	26	5.0	20	260	16	250	20
21	51	26	39	11	29	35	26	0	0719	1628		M	M	M	0.00	30.05	30.19	2.1	17	2.3	12	150	8	150	21
22	57	42	50	22	46	48	15	0	0719	1629	RA FG+ BR HZ	M	M	M	0.23	29.80	29.98	1.8	18	2.8	14	150	9	190	22
23	58	40	49	21	48	49	16	0	0720	1629	RA FG+ FG BR	M	M	M	0.82	29.91	30.06	1.4	04	1.9	12	100	8	070	23
24	72*	44	58*	30	53	55	7	0	0720	1630	FG+ BR	M	M	M	0.03	29.72	29.93	1.9	22	3.4	26	220	16	210	24
25	59	39	49	22	40	45	16	0	0721	1631	BR	0	M	0.0	0.00	29.97	30.17	1.5	36	1.8	20	020	15	010	25
26	54	45	50	23	34	42	15	0	0721	1631	RA BR	M	M	M	0.00	30.24	30.41	4.7	02	5.7	21	010	17	020	26
27	58	41	50	23	45	47	15	0	0721	1632	RA BR	M	M	M	0.18	29.80	29.96	1.6	29	4.7	23	360	18	360	27
28	41	30	36	9	20	30	29	0	0721	1633	FZRA UP	M	M	M	0.11	30.19	30.42	8.1	02	8.9	26	010	20	010	28
29	36	28	32*	5	30	32	33	0	0722	1633	RA FZRA BR UP	M	M	M	0.66	29.99	30.13	3.0	01	3.8	16	090	13	080	29
30	40	35	38	12	35	36	27	0	0722	1634	RA FG BR	M	M	M	0.14	30.04	30.21	2.2	13	2.5	12	110	10	110	30
31	47	37	42	16	34	38	23	0	0722	1635	FG BR	M	M	M	0.03	29.86	30.04	1.7	30	2.5	16	260	12	270	31
	52.4s	36.2s	44.3s		36.1	M	M	M	<-----Monthly Averages | Totals----->				M	M	3.90s	29.91	30.08	1.3	30	3.9	<Monthly Average				
	12.1	14.3	13.2	<----------Departure From Normal---------->											0.37										

Degree Days

	Monthly Total	Monthly Departure	Season to Date Total	Season to Date Departure
Heating:	M	M	M	M
Cooling:	M	M	M	M

Greatest 24-hr Precipitation: 0.85s Date: 23-24
Greatest 24-hr Snowfall: M Date: M
Greatest Snow Depth: M Date: M

	Sea Level Pressure	Date	Time (LST)
Maximum	30.69	05	1017
Minimum	29.33	15	0110

Number of Days with -------->
Max Temp >=90: 0
Max Temp <=32: 0
Thunderstorms : 0
Min Temp <=32: 10
Min Temp <=0 : 0
Heavy Fog : 4
Precipitation >=.01 inch: 13
Precipitation >=.10 inch: 10
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, 2015 to December 31, 2015
Groundwater Analytical Data (Inorganics): January 1, 2015 to December 31, 2015

Former IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		007	007	010	010	010	015
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		02/17/2015	02/17/2015	02/18/2015	10/08/2015	10/08/2015	05/01/2015
Laboratory Sample I.D.		R1501217-003	R1501217-004	R1501221-004	8084701	8084702	7872555
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	1.6	0.9	0.8	ND@25
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	11	3.4	2.7	ND@25
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	1.7	1.1	0.9	ND@25
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@250
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	3.8	2.9	2.7	170
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@25
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	59	36	35	8000
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	19	14	13	220
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@25

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Sample Location		015	016	016	035	035	046
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		10/16/2015	02/25/2015	10/14/2015	02/17/2015	02/17/2015	04/23/2015
Laboratory Sample I.D.		8094240	R1501348-006	8092477	R1501217-007	R1501217-008	7861183
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
ACETONE	ug/l	ND@250	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	69	1.2	0.9	ND@1.0	ND@1.0	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@25	11	7.0	ND@1.0	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@25	ND@2.0	ND@0.5	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	4700	16	13	ND@1.0	ND@1.0	0.9
TRICHLOROETHYLENE	ug/l	120	2.6	2.0	ND@1.0	ND@1.0	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@25	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5

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Sample Location		046	046	048	048	048	048
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		07/16/2015	10/15/2015	01/13/2015	04/23/2015	07/16/2015	10/15/2015
Laboratory Sample I.D.		7971629	8092463	R1500311-004	7861090	7971612	8092469
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	0.3 J	0.2 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.8	2.2	ND@1.0	ND@0.5	0.2 J	0.1 J
TRICHLOROETHYLENE	ug/l	ND@0.5	0.1 J	ND@1.0	ND@0.5	0.2 J	0.1 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		053	053	053	054	054	059
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/22/2015	04/22/2015	10/09/2015	04/29/2015	10/09/2015	04/23/2015
Laboratory Sample I.D.		7861140	7861141	8084712	7868955	8084711	7861132
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	0.6	0.6	0.7	3.7	3.7	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	1.3	1.4	1.5	1.8	1.6	ND@0.5
TRICHLOROETHYLENE	ug/l	1.0	1.0	1.1	5.5	5.4	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		060	061	063	064	064	064
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/23/2015	04/23/2015	04/28/2015	01/08/2015	04/23/2015	07/16/2015
Laboratory Sample I.D.		7861133	7861093	7866688	R1500197-003	7861130	7971607
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.49 J	0.6	1.6
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	0.1 J	0.3 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		064	065	065	065	065	065
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		10/15/2015	01/08/2015	04/23/2015	07/16/2015	07/16/2015	10/15/2015
Laboratory Sample I.D.		8092466	R1500197-004	7861131	7971610	7971611	8092467
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.8	ND@1.0	0.1 J	0.4 J	0.4 J	0.5 J
TRICHLOROETHYLENE	ug/l	0.2 J	ND@1.0	ND@0.5	0.1 J	0.1 J	0.2 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		065	066	066	066	066	067
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/15/2015	01/08/2015	04/23/2015	07/16/2015	10/16/2015	01/12/2015
Laboratory Sample I.D.		8092468	R1500197-007	7861091	7971606	8094233	R1500271-006
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.5 J	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	0.2 J	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0

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Sample Location		067	067	067	067	068	068
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/12/2015	04/24/2015	07/27/2015	10/08/2015	01/14/2015	04/16/2015
Laboratory Sample I.D.		R1500271-007	7862326	7982362	8084703	R1500345-004	R1502824-002
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	0.1 J	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0

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Sample Location		068	068	068	069	069	085
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		04/29/2015	07/27/2015	10/15/2015	01/28/2015	01/28/2015	04/20/2015
Laboratory Sample I.D.		7868962	7982363	8092465	R1500715-005	R1500715-006	7857426
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	1.4	1.3	1.3	ND@1.0	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5

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Sample Location		085	087	087	103	103	104
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/08/2015	04/20/2015	10/08/2015	04/23/2015	10/13/2015	04/23/2015
Laboratory Sample I.D.		8084677	7857427	8084678	7861186	8087953	7861188
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.6	2.3	0.4 J
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.2 J	1.1	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		104	105	105	106	108	109
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/13/2015	02/25/2015	10/16/2015	02/25/2015	04/20/2015	04/20/2015
Laboratory Sample I.D.		8087954	R1501348-003	8094238	R1501348-004	7857421	7857422
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.3 J	ND@1.0	0.5 J	0.36 J	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	0.2 J	ND@1.0	ND@0.5	1.3
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		109	113	113	113	113	118
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/13/2015	03/10/2015	04/24/2015	07/16/2015	10/13/2015	05/01/2015
Laboratory Sample I.D.		8087998	R1501664-003	7862317	7971613	8088001	7872559
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	1200
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@2500
CHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
CIS-1,2-DICHLOROETHYLENE	ug/l	0.2 J	ND@1.0	0.1 J	ND@0.5	0.4 J	210 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@250
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
TETRACHLOROETHYLENE	ug/l	2.0	2.0	2.3	1.8	2.2	170000
TRICHLOROETHYLENE	ug/l	1.8	0.24 J	0.4 J	0.3 J	0.5	880
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@250

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Sample Location		143	145	146	150	151	151
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/25/2015	04/28/2015	04/27/2015	04/20/2015	04/23/2015	10/13/2015
Laboratory Sample I.D.		R1501348-005	7866687	7866681	7857420	7861190	8087955
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.94 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		156	156	161	166	167	167
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/22/2015	10/13/2015	04/24/2015	04/20/2015	04/28/2015	10/26/2015
Laboratory Sample I.D.		7861126	8088002	7862335	7857425	7866684	8107680
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.1 J	0.4 J	ND@0.5	ND@0.5	0.2 J	0.1 J
TRICHLOROETHYLENE	ug/l	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		178	181	181	181	204	502
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/21/2015	06/18/2015	06/18/2015	10/09/2015	04/21/2015	01/19/2015
Laboratory Sample I.D.		7857412	7936710	7936711	8084684	7857413	R1500427-004
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ACETONE	ug/l	ND@5.0	14	18	4.0 J	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	15	13	16	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.8	24	19	25	0.3 J	ND@1.0
TRICHLOROETHYLENE	ug/l	0.4 J	16	13	18	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	6.0	3.9	7.7	ND@0.5	ND@1.0

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Sample Location		502	502	503	503	503	503
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		04/28/2015	07/16/2015	01/14/2015	01/14/2015	04/27/2015	07/17/2015
Laboratory Sample I.D.		7866689	7971634	R1500345-005	R1500345-006	7866680	7971643
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5

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Sample Location		515	515	515	520	520	520
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/22/2015	05/04/2015	07/17/2015	01/21/2015	04/28/2015	07/16/2015
Laboratory Sample I.D.		R1500555-005	7877944	7971638	R1500505-004	7866690	7971632
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		520	521	521	521	521	535
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/16/2015	01/21/2015	04/28/2015	07/16/2015	10/16/2015	03/17/2015
Laboratory Sample I.D.		8094229	R1500505-005	7866691	7971633	8094230	R1501876-003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0

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Sample Location		535	535	543	543	543	543
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/24/2015	07/17/2015	01/14/2015	04/22/2015	07/16/2015	10/16/2015
Laboratory Sample I.D.		7862318	7971620	R1500345-007	7861163	7971630	8094232
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	0.2 J	0.2 J
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		545	545	545	545	559	559
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/19/2015	04/29/2015	07/16/2015	10/16/2015	04/24/2015	10/15/2015
Laboratory Sample I.D.		R1500427-003	7868956	7971631	8094241	7862325	8092482
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	14	6.3
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.1 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	8.5	6.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	5.3	4.2
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@0.5	ND@0.5	ND@0.5	0.8	0.3 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	140	120
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	0.1 J	51	43
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	130	110
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	2.8	1.6

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Sample Location		561	561	563	563	564	564
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/20/2015	10/08/2015	04/23/2015	10/09/2015	04/24/2015	10/09/2015
Laboratory Sample I.D.		7857410	8084708	7861092	8084689	7862324	8084710
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	0.8	0.8	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	11	26	1.6	1.6	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	9.4	35	1.3	1.4	0.5 J	2.0
TRICHLOROETHYLENE	ug/l	2.9	8.5	2.7	2.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	0.3 J	1.1	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		571	571	571	571	572	574
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/15/2015	01/15/2015	04/29/2015	07/16/2015	04/28/2015	04/28/2015
Laboratory Sample I.D.		R1500387-005	R1500387-006	7868971	7971635	7866794	7866793
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@500	ND@1000
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	1100	ND@100
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@50	ND@100
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.2 J	0.3 J	250000	39000
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	780	120
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@50	ND@100
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	35 J	ND@100

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Sample Location		576	576	577	577	577	578
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		02/24/2015	10/08/2015	04/20/2015	10/12/2015	10/12/2015	01/22/2015
Laboratory Sample I.D.		R1501288-005	8084704	7857443	8087948	8087949	R1500555-004
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.21 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	5.8	9.7	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	2.2	3.2	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0

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Sample Location		579	580	581	600	601	601
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/30/2015	02/19/2015	02/11/2015	04/21/2015	02/24/2015	10/08/2015
Laboratory Sample I.D.		7872542	R1501227-005	R1501014-006	7857414	R1501288-004	8084683
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	2.7 J	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	1.4	3.2
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@2.0	ND@0.5	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	0.51 J	ND@1.0	0.1 J	0.30 J	0.4 J
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@1.0	0.2 J	0.80 J	1.7
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5

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Sample Location		602	603	604	606	607	607
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/21/2015	04/21/2015	04/22/2015	04/20/2015	04/21/2015	11/06/2015
Laboratory Sample I.D.		7857415	7857416	7861128	7857446	7857439	8124646
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	23	20
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	2.3 J	ND@10
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@50	ND@100
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	480	680
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5.0	ND@10
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.1 J	2300	2400
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	130	160
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	1	ND@5.0	ND@10
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	1.0 J	ND@10

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Sample Location		608	609	609	610	610	611
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/20/2015	04/22/2015	10/20/2015	02/26/2015	11/06/2015	04/22/2015
Laboratory Sample I.D.		7857409	7861135	8097218	R1501392-003	8124645	7861122
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	0.5	0.3 J	50	25	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@50	ND@25	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	0.4 J	0.3 J	120	54	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@20	ND@2.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	2.4	7.1	4.1	1300	700	0.4 J
TRICHLOROETHYLENE	ug/l	ND@0.5	4.8	3.0	510	270	0.1 J
TRICHLOROFLUOROMETHANE	ug/l	1.3	1	0.9	3.0 J	1.8 J	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@10	ND@2.5	ND@0.5

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Sample Location		611	622	622	623	623	623
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		10/13/2015	04/22/2015	10/12/2015	04/21/2015	04/21/2015	10/09/2015
Laboratory Sample I.D.		8087999	7861125	8087996	7857431	7857432	8084686
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	0.4 J	1.6	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	1.0	1.4	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	0.2 J	8.8	12	0.2 J	0.2 J	0.4 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.6	0.2 J	12	230	220	140
TRICHLOROETHYLENE	ug/l	0.3 J	2.2	10	0.3 J	0.3 J	0.4 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	0.1 J
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		624	624	627	627	627	638
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/21/2015	10/12/2015	02/11/2015	07/23/2015	12/28/2015	01/15/2015
Laboratory Sample I.D.		7857433	8087995	R1501014-005	7978747	8191216	R1500387-003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	1.3	59	ND@5.0	1.4	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	16	2.3 J	0.8	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@25	ND@50	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	1.0	2.8	440	270	120	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	4.1	18	38	11	10	ND@1.0
TRICHLOROETHYLENE	ug/l	3.2	10	34	11	8.9	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@0.5	ND@1.0

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Sample Location		638	638	640	640	640	640
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/21/2015	07/27/2015	01/15/2015	04/21/2015	07/27/2015	10/08/2015
Laboratory Sample I.D.		7857417	7982368	R1500387-004	7857418	7982367	8084707
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	9.1	9.2	10	4.8
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	71	58	57	31
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	14	13	15	8.4
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		701	702	702	704	706	706
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/19/2015	02/19/2015	10/08/2015	04/21/2015	05/01/2015	10/16/2015
Laboratory Sample I.D.		R1501227-003	R1501227-004	8084705	7857436	7872557	8094239
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	0.2 J	ND@5.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@50
CHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	220	310
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
TETRACHLOROETHYLENE	ug/l	ND@1.0	1.1	1.7	ND@0.5	9.6	17
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.3 J	0.3 J	3.4	12
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@5.0
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	15	11

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Sample Location		711	714	716	716	720	720
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/20/2015	02/18/2015	04/21/2015	10/13/2015	04/27/2015	10/13/2015
Laboratory Sample I.D.		7857444	R1501221-005	7857435	8087952	7866696	8088003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	3.7	ND@2.5	ND@2.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	60	69	49	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	5.9	ND@2.5	ND@2.5	ND@0.5	ND@0.5
ACETONE	ug/l	ND@5.0	ND@10	ND@25	ND@25	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	8.2	11	11	1.2	0.8
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@4.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	180	880	690	1.9	2.2
TRICHLOROETHYLENE	ug/l	ND@0.5	39	14	14	0.6	0.5 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@2.0	0.6 J	ND@2.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@2.0	ND@2.5	ND@2.5	ND@0.5	ND@0.5

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Sample Location		722	732	732	734	734	735
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/21/2015	04/27/2015	10/12/2015	04/21/2015	10/14/2015	02/10/2015
Laboratory Sample I.D.		7857440	7866694	8087994	7857430	8092462	R1501034-003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@0.5	ND@2.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@10	1.6 J	0.3 J	0.3 J	ND@2.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	330	240	2.1	1.0	25
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	13	12	0.9	0.9	2.6
ACETONE	ug/l	ND@5.0	ND@100	ND@50	ND@5.0	ND@5.0	ND@13
CHLOROBENZENE	ug/l	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@0.5	ND@2.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	500	440	6.0	3.4	71
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@10	ND@5.0	0.2 J	0.2 J	ND@2.5
ETHYLBENZENE	ug/l	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@0.5	ND@2.5
M,P-XYLENE	ug/l	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@0.5	ND@5.0
O-XYLENE	ug/l	ND@0.5	ND@10	ND@5.0	ND@0.5	ND@0.5	ND@2.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	3600	3000	49	41	340
TRICHLOROETHYLENE	ug/l	ND@0.5	1000	890	20	12	28
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	6.2 J	5.2	0.3 J	0.2 J	ND@2.5
VINYL CHLORIDE	ug/l	ND@0.5	3.0 J	2.5 J	ND@0.5	ND@0.5	ND@2.5

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Sample Location		735	735	737	737	739	740
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		07/23/2015	10/20/2015	04/20/2015	10/12/2015	04/22/2015	04/24/2015
Laboratory Sample I.D.		7978745	8097220	7857445	8087950	7861121	7862330
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.5	ND@2.5	0.2 J	0.2 J	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	12	26	7.2	7.6	2.1	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.1 J	1.5 J	0.3 J	0.3 J	ND@0.5	ND@0.5
ACETONE	ug/l	ND@25	ND@25	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	31	45	0.5 J	0.5	ND@0.5	1.3
DICHLORODIFLUOROMETHANE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	200	290	17	19	1.9	1.7
TRICHLOROETHYLENE	ug/l	15	21	2.3	2.6	0.2 J	2.6
TRICHLOROFLUOROMETHANE	ug/l	ND@2.5	ND@2.5	0.5	0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		740	742	742	743	744	744
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		07/23/2015	02/23/2015	10/12/2015	05/05/2015	01/12/2015	05/05/2015
Laboratory Sample I.D.		7978749	R1501265-005	8087997	7877973	R1500271-003	7877969
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.4 J	0.59 J	1.2	ND@0.5	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.2 J	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	4.9	0.37 J	0.6	ND@0.5	ND@1.0	0.1 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	4.0	1.3	7.2	ND@0.5	ND@1.0	0.2 J
TRICHLOROETHYLENE	ug/l	5.8	0.69 J	3.0	ND@0.5	0.46 J	0.4 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5

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Sample Location		744	744	744	745	745	745
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		05/05/2015	07/27/2015	10/09/2015	01/12/2015	04/24/2015	07/27/2015
Laboratory Sample I.D.		7877971	7982399	8084715	R1500271-004	7862337	7982397
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	0.1 J	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.1 J	0.2 J	0.2 J	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	0.4 J	0.4 J	0.4 J	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		751	751	753	753	754	754
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/27/2015	04/30/2015	04/27/2015	04/29/2015	04/23/2015	04/24/2015
Laboratory Sample I.D.		7866790	R1503225-002	7866788	R1503226-003	7861192	R1503030-002
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	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@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@2.0	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.4 J	0.68 J	0.5 J	0.73 J	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	0.1 J	0.29 J	ND@0.5	ND@1.0	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.4 J	0.47 J	ND@0.5	ND@1.0	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@1.0

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Sample Location		755	755	755	755	755	756
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/12/2015	04/16/2015	04/29/2015	07/27/2015	10/21/2015	04/24/2015
Laboratory Sample I.D.		R1500271-005	R1502824-001	7868957	7982365	8103155	7862332
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.40 J	0.42 J	0.4 J	0.4 J	0.4 J	2.4
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.1 J	ND@0.5	0.1 J	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		756	757	757	757	757	757
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE
Sample Date		04/29/2015	01/15/2015	04/22/2015	04/22/2015	07/16/2015	07/16/2015
Laboratory Sample I.D.		R1503226-002	R1500387-007	7861166	7861167	7971627	7971628
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	1.7 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@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	0.3 J	0.3 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	1.6	0.54 J	0.4 J	0.4 J	0.7	0.7
TRICHLOROETHYLENE	ug/l	ND@1.0	1.1	0.8	0.9	2.0	2.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		757	757	761	763	763	766
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		10/16/2015	10/16/2015	02/18/2015	02/12/2015	02/12/2015	02/10/2015
Laboratory Sample I.D.		8094234	8094235	R1501221-003	R1501084-003	R1501084-004	R1501034-004
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	5.6
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	0.36 J	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	0.53 J	0.48 J	2.2
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@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.7	0.7	ND@1.0	ND@1.0	ND@1.0	6.7
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.7	0.7	ND@1.0	ND@1.0	ND@1.0	0.75 J
TRICHLOROETHYLENE	ug/l	2.7	2.7	ND@1.0	ND@1.0	ND@1.0	1.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	0.46 J

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Sample Location		766	766	767	767	767	768
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		07/23/2015	10/20/2015	04/27/2015	07/23/2015	10/20/2015	02/11/2015
Laboratory Sample I.D.		7978744	8097227	7866786	7978742	8097225	R1501014-004
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	3.6	4.7	1	1.2	1.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.6	1.4	1.9	3.0	1.9	0.21 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@0.5	ND@0.5	0.3 J	0.6	0.6	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	2.6	3.3	17	23	24	3.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.6	0.2 J	1	0.6	0.5	6.5
TRICHLOROETHYLENE	ug/l	1.2	0.9	2.3	2.8	3.3	10
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	0.2 J	0.8	0.9	1.8	1.2	ND@1.0

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Sample Location		768	768	769	769	769	769
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		07/23/2015	10/20/2015	02/10/2015	02/10/2015	07/23/2015	10/20/2015
Laboratory Sample I.D.		7978743	8097226	R1501034-005	R1501034-006	7978757	8097229
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	0.1 J	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	0.56 J	0.45 J	0.7	0.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	0.2 J	0.3 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@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1.6	2.2	1.7	1.3	1.9	3.2
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	4.1	5.6	6.1	5.7	4.9	3.9
TRICHLOROETHYLENE	ug/l	7.4	10	9.7	9.0	7.5	7.4
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5

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Sample Location		771	771	771	772	772	772
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		04/24/2015	07/23/2015	10/20/2015	01/15/2015	04/22/2015	04/22/2015
Laboratory Sample I.D.		7862328	7978756	8097228	R1500387-008	7861168	7861170
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.4	1.3	0.6	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.5 J	0.4 J	0.4 J	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	14	14	12	0.76 J	0.7	0.7
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	1.4	1.3	2.0	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	1.4	1.3	1.8	0.55 J	0.5	0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		772	772	773	773	773	773
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		07/23/2015	10/20/2015	01/20/2015	04/30/2015	07/23/2015	07/23/2015
Laboratory Sample I.D.		7978750	8097230	R1500457-006	7872544	7978752	7978754
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	0.8	0.9	ND@1.0	0.1 J	0.1 J	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	0.7	0.7	0.36 J	0.3 J	0.4 J	0.4 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		773	773	774	774	774	774
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		10/20/2015	10/20/2015	01/20/2015	01/20/2015	04/30/2015	07/27/2015
Laboratory Sample I.D.		8097221	8097222	R1500457-007	R1500457-008	7872548	7982401
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	0.1 J	0.1 J	ND@1.0	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	0.3 J	0.3 J	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@0.5	ND@0.5

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Sample Location		774	775	777	777	779	779
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/09/2015	04/30/2015	01/22/2015	10/08/2015	04/22/2015	10/15/2015
Laboratory Sample I.D.		8084713	7872546	R1500555-003	8084676	7861139	8092481
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		789	791	792	793	793	793
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/19/2015	04/22/2015	04/22/2015	02/11/2015	07/23/2015	10/20/2015
Laboratory Sample I.D.		R1501227-006	7861172	7861175	R1501014-003	7978746	8097231
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	0.41 J	0.4 J	0.3 J
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	0.30 J	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	0.2 J	0.2 J
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	4.6	4.2	4.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	2.1	1.1	1.1
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	2.7	2.9	3.2
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	3.6	3.3	4.0
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		832	832	832	857	857	857
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/13/2015	04/23/2015	07/17/2015	03/17/2015	04/28/2015	07/16/2015
Laboratory Sample I.D.		R1500311-005	7861185	7971644	R1501876-004	7866705	7971617
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	0.1 J	ND@1.0	0.1 J	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		857	858	858	858	858	859
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/15/2015	03/17/2015	04/28/2015	07/16/2015	10/16/2015	03/23/2015
Laboratory Sample I.D.		8092473	R1501876-005	7866704	7971618	8094231	R1502017-003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0

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Sample Location		859	859	860	860	860	861
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/28/2015	07/17/2015	03/23/2015	04/28/2015	07/17/2015	03/23/2015
Laboratory Sample I.D.		7866800	7971621	R1502017-004	7866799	7971622	R1502017-005
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@1.0

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Sample Location		861	861	862	862	862	921
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/28/2015	07/17/2015	03/23/2015	04/28/2015	07/17/2015	05/05/2015
Laboratory Sample I.D.		7866795	7971623	R1502017-006	7866798	7971624	7877975
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	0.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	0.4 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@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	8.1
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	1.0
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	4.2
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	0.4 J

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Sample Location		921	921	922	922	923	923
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/22/2015	10/22/2015	04/24/2015	10/14/2015	05/01/2015	10/22/2015
Laboratory Sample I.D.		8103158	8103159	7862316	8092459	7872554	8104032
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.8	0.8	0.4 J	ND@0.5	0.5	0.5 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.5 J	0.4 J	0.3 J	ND@0.5	0.9	0.9
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	8.6	8.5	5.0	1.1	29	32
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	1.2	1.2	0.6	0.2 J	31	27
TRICHLOROETHYLENE	ug/l	4.6	4.7	2.2	0.5 J	23	22
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	0.4 J	0.4 J	0.3 J	ND@0.5	0.2 J	0.3 J

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Sample Location		929	929	931	931	932	932
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/26/2015	10/21/2015	04/22/2015	10/09/2015	04/24/2015	10/13/2015
Laboratory Sample I.D.		R1501392-004	8103156	7861127	8084685	7862315	8088000
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.0	0.2 J	ND@2.5	ND@2.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.5	7.6	ND@2.5	ND@2.5	3.2	1.6
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.58 J	0.4 J	ND@2.5	ND@2.5	1.2	1
ACETONE	ug/l	ND@10	ND@5.0	ND@25	ND@25	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	15	7.8	50	59	23	18
DICHLORODIFLUOROMETHANE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@4.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	280	130	620	680	11	7.6
TRICHLOROETHYLENE	ug/l	7.5	4.6	17	21	19	14
TRICHLOROFLUOROMETHANE	ug/l	ND@2.0	ND@0.5	ND@2.5	ND@2.5	0.2 J	ND@0.5
VINYL CHLORIDE	ug/l	ND@2.0	0.1 J	ND@2.5	ND@2.5	0.2 J	0.3 J

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Sample Location		941	941	943	943	944	944
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/27/2015	10/14/2015	01/28/2015	10/14/2015	01/28/2015	10/08/2015
Laboratory Sample I.D.		7866679	8092475	R1500715-003	8092461	R1500715-004	8084682
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	340	250	1.9	2.5	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@25	ND@13	ND@1.0	0.2 J	ND@1.0	ND@0.5
ACETONE	ug/l	ND@250	ND@130	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	280	210	3.0	3.8	ND@1.0	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@25	ND@13	ND@2.0	ND@0.5	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	7400	5900	5.0	6.5	ND@1.0	ND@0.5
TRICHLOROETHYLENE	ug/l	1800	1400	5.9	7.8	ND@1.0	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@25	ND@13	ND@1.0	ND@0.5	ND@1.0	ND@0.5

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Sample Location		952	952	953	953	954	954
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/29/2015	10/19/2015	04/27/2015	10/21/2015	02/24/2015	10/09/2015
Laboratory Sample I.D.		7868952	8097217	7866678	8103154	R1501288-003	8084688
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	0.3 J	ND@1.0	0.4 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	0.88 J	0.5 J
ACETONE	ug/l	ND@5.0	ND@5.0	ND@10	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	120	40
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	110	130	67	12
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	0.2 J	31	6.1
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	0.4 J	0.5 J	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	3.9	11

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Sample Location		956	956	958	958	958	958
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/23/2015	10/09/2015	01/21/2015	04/29/2015	07/17/2015	10/08/2015
Laboratory Sample I.D.		R1501265-004	8084687	R1500505-003	7868972	7971625	8084681
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.98	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	ND@10	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	49	25	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@4.0	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	190	22	ND@1.0	0.1 J	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	25	12	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@2.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	3.1	1.1	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		959	959	960	960	960	963
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		04/23/2015	10/23/2015	04/24/2015	04/24/2015	10/23/2015	01/08/2015
Laboratory Sample I.D.		7861088	8104033	7862320	7862322	8104034	R1500197-005
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	15	14	19	19	16	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	0.2 J	0.1 J	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.3	1.1	2.2	2.1	1.6	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.2	1.9	1.5	1.5	1.4	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	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	73	65	46	52	39	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	23	22	24	24	24	ND@1.0
TRICHLOROETHYLENE	ug/l	15	14	15	15	14	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.2 J	ND@0.5	0.2 J	0.2 J	0.1 J	ND@1.0
VINYL CHLORIDE	ug/l	3.1	3.5	5.6	5.4	5.9	ND@1.0

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Sample Location		963	963	963	964	964	964
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/29/2015	07/17/2015	10/08/2015	01/08/2015	04/28/2015	07/17/2015
Laboratory Sample I.D.		7868961	7971641	8084679	R1500197-006	7866706	7971642
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		964	965	965	966	966	966
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		10/08/2015	04/22/2015	04/22/2015	02/23/2015	04/22/2015	10/14/2015
Laboratory Sample I.D.		8084680	7861137	7861138	R1501265-003	7861136	8092460
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.32 J	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	0.6	0.6	ND@1.0	0.1 J	0.1 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	0.3 J	0.3 J	4.0	4.5	3.9
TRICHLOROETHYLENE	ug/l	ND@0.5	0.6	0.6	0.60 J	0.6	0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	0.66 J	1.2	0.4 J
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		987	987	987	987	987	987
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		01/20/2015	01/20/2015	04/27/2015	07/16/2015	07/16/2015	10/15/2015
Laboratory Sample I.D.		R1500457-003	R1500457-004	7866698	7971614	7971615	8092470
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.2 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		987	990	990	990	990	990
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER
Sample Date		10/15/2015	01/20/2015	04/27/2015	04/27/2015	07/16/2015	10/15/2015
Laboratory Sample I.D.		8092471	R1500457-005	7866701	7866702	7971616	8092472
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	0.1 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	1.2	1.3	1.4	1.4	1.3
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	0.2 J	0.2 J	0.2 J	0.3 J
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Former IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		998	998	999	999	999
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		02/18/2015	10/08/2015	02/17/2015	02/17/2015	10/09/2015
Laboratory Sample I.D.		R1501221-006	8084706	R1501217-005	R1501217-006	8084714
Sample Comment Codes						
Parameter	**Units**					
Base/Neutral Extractables						
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
Volatile Organics						
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
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@0.5	ND@1.0	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1.5	0.3 J	ND@1.0	ND@1.0	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	0.82 J	0.81 J	0.7
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	0.25 J	ND@1.0	0.2 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@1.0	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	0.46 J	ND@0.5	ND@1.0	ND@1.0	ND@0.5

Former IBM East Fishkill Facility
Groundwater Analytical Data - Organics
January 1, 2015 - December 31, 2015

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

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		007	007	010	015	016	035
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/17/2015	02/17/2015	02/18/2015	05/01/2015	02/25/2015	02/17/2015
Laboratory Sample I.D.		R1501217-003	R1501219-002	R1501221-004	7872555	R1501348-006	R1501217-007
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.08 J	0.07 J	ND@0.10	4.2	0.63	ND@0.10
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA	NA	0.0093
ARSENIC, TOTAL	mg/l	NA	NA	NA	NA	NA	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	0.0016 J	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0069	0.0108	0.0150	0.602	ND@0.0010	0.0565
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		035	068	068	068	103	104
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/17/2015	01/14/2015	04/29/2015	07/27/2015	04/23/2015	04/23/2015
Laboratory Sample I.D.		R1501219-006	R1500345-004	7868966	7982363	7861187	7861189
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	ND@0.10	0.09 J	0.050 J	0.050 J	0.080 J	0.060 J
Metals							
ARSENIC, DISSOLVED	mg/l	0.0061	0.0109	ND@0.0400	0.0084 J	NA	NA
ARSENIC, TOTAL	mg/l	ND@0.0050	0.0169	ND@0.0400	ND@0.0400	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0019	0.0019 J	ND@0.0300	ND@0.0300	0.0021 J
CHROMIUM, TOTAL	mg/l	0.0695	ND@0.0010	0.0018 J	ND@0.0300	0.0014 J	1.03
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		118	151	161	204	579	580
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		05/01/2015	04/23/2015	04/24/2015	04/21/2015	04/30/2015	02/19/2015
Laboratory Sample I.D.		7872559	7861190	7862335	7857413	7872542	R1501228-003
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	NA	0.15	0.16	0.30	0.060 J	6.07
Metals							
ARSENIC, DISSOLVED	mg/l	NA	ND@0.0400	ND@0.0400	NA	ND@0.0400	0.0100
ARSENIC, TOTAL	mg/l	NA	0.0178 J	ND@0.0400	NA	ND@0.0400	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0300	ND@0.0300	ND@0.0300	0.0044 J	ND@0.0300	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0014 J	0.0122 J	0.0024 J	1.09	0.0018 J	0.0457
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		581	627	701	702	706	714
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/11/2015	02/11/2015	02/19/2015	02/19/2015	05/01/2015	02/18/2015
Laboratory Sample I.D.		R1501014-006	R1501014-005	R1501227-003	R1501227-004	7872557	R1501221-005
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.39	79.5	ND@0.10	0.09 J	0.16	0.05 J
Metals							
ARSENIC, DISSOLVED	mg/l	NA	0.0046 J	NA	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	0.0032 J	NA	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	0.0024	ND@0.0010	ND@0.0010	ND@0.0300	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0307	ND@0.0010	0.0311	0.0102	0.0017 J	0.0091
NICKEL, DISSOLVED	mg/l	NA	0.318	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	0.322	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		720	735	740	742	743	744
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/27/2015	02/10/2015	04/24/2015	02/23/2015	05/05/2015	01/12/2015
Laboratory Sample I.D.		7866696	R1501034-003	7862330	R1501267-001	7877974	R1500271-003
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.050 J	23.2	7.8	0.09 J	0.070 J	0.08 J
Metals							
ARSENIC, DISSOLVED	mg/l	NA	0.0050 J	ND@0.0400	0.0039 J	ND@0.0400	NA
ARSENIC, TOTAL	mg/l	NA	0.0032 J	ND@0.0400	0.0030 J	ND@0.0400	NA
CHROMIUM, DISSOLVED	mg/l	0.0034 J	ND@0.0010	0.0013 J	ND@0.0010	0.0019 J	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0091 J	ND@0.0010	0.130	0.0165	0.0044 J	ND@0.0010
NICKEL, DISSOLVED	mg/l	NA	0.0308	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	0.0334	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		744	744	744	745	745	745
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		05/05/2015	05/05/2015	07/27/2015	01/12/2015	04/24/2015	07/27/2015
Laboratory Sample I.D.		7877970	7877971	7982400	R1500271-004	7862337	7982397
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.040 J	0.040 J	0.040 J	0.12	0.090 J	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@0.0300	ND@0.0300	ND@0.0300	0.0033	ND@0.0300	0.0021 J
CHROMIUM, TOTAL	mg/l	ND@0.0300	ND@0.0300	ND@0.0300	0.0038	0.0022 J	0.0018 J
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		751	753	754	755	755	755
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		04/27/2015	04/27/2015	04/23/2015	01/12/2015	04/29/2015	07/27/2015
Laboratory Sample I.D.		7866790	7866789	7861193	R1500271-005	7868957	7982365
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.14	0.14	0.040 J	0.18	0.12	0.13
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	ND@0.0400	ND@0.0050	ND@0.0400	ND@0.0400
ARSENIC, TOTAL	mg/l	NA	NA	ND@0.0400	ND@0.0050	ND@0.0400	0.0295 J
CHROMIUM, DISSOLVED	mg/l	0.0032 J	0.0021 J	ND@0.0300	ND@0.0010	0.0020 J	0.0020 J
CHROMIUM, TOTAL	mg/l	0.0295 J	0.0116 J	0.225	ND@0.0010	0.0021 J	0.128
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		761	763	763	766	767	768
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		02/18/2015	02/12/2015	02/12/2015	02/10/2015	04/27/2015	02/11/2015
Laboratory Sample I.D.		R1501223-001	R1501082-001	R1501084-004	R1501034-004	7866786	R1501012-002
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	ND@0.10	0.12	0.11	2.79	3.7	0.42
Metals							
ARSENIC, DISSOLVED	mg/l	NA	NA	NA	0.0153	ND@0.0400	0.0054
ARSENIC, TOTAL	mg/l	NA	NA	NA	0.0219	0.0123 J	ND@0.0050
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010	ND@0.0010	0.0030 J	0.0025
CHROMIUM, TOTAL	mg/l	0.536	0.0101	0.0106	0.385	2.97	0.0601
NICKEL, DISSOLVED	mg/l	NA	NA	NA	0.0628	NA	0.101
NICKEL, TOTAL	mg/l	NA	NA	NA	0.139	NA	0.110

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		769	769	771	772	772	772
Sample Description		GROUNDWATER	REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		02/10/2015	02/10/2015	04/24/2015	01/15/2015	04/22/2015	04/22/2015
Laboratory Sample I.D.		R1501034-005	R1501031-004	7862328	R1500387-008	7861169	7861171
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.10	0.09 J	0.030 J	0.09 J	0.070 J	0.060 J
Metals							
ARSENIC, DISSOLVED	mg/l	0.0042 J	0.0046 J	ND@0.0400	0.0042 J	ND@0.0400	ND@0.0400
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0400	0.0047 J	0.0129 J	0.0110 J
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	0.0029 J	ND@0.0010	0.0045 J	0.0036 J
CHROMIUM, TOTAL	mg/l	3.09	3.24	0.417	0.646	0.407	0.343
NICKEL, DISSOLVED	mg/l	0.0772	0.0777	NA	0.0047 J	0.0083 J	0.0084 J
NICKEL, TOTAL	mg/l	0.532	0.591	NA	0.172	0.257	0.163

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		772	773	773	773	773	774
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE	GROUNDWATER
Sample Date		07/23/2015	01/20/2015	04/30/2015	07/23/2015	07/23/2015	01/20/2015
Laboratory Sample I.D.		7978750	R1500459-001	7872544	7978753	7978755	R1500457-007
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.070 J	0.14	0.13	0.10	0.11	0.07 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0400	ND@0.0050	ND@0.0400	ND@0.0400	ND@0.0400	0.0059
ARSENIC, TOTAL	mg/l	0.0081 J	ND@0.0050	ND@0.0400	ND@0.0400	ND@0.0400	0.0049 J
CHROMIUM, DISSOLVED	mg/l	0.0028 J	ND@0.0010	0.0022 J	0.0051 J	0.0051 J	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.292	1.30	0.164	2.86	3.36	0.0088
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		774	774	774	775	789	791
Sample Description		REPLICATE	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
Sample Date		01/20/2015	04/30/2015	07/27/2015	04/30/2015	02/19/2015	04/22/2015
Laboratory Sample I.D.		R1500459-003	7872548	7982402	7872546	R1501228-004	7861173
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.07 J	0.040 J	0.050 J	0.070 J	0.17	0.14
Metals							
ARSENIC, DISSOLVED	mg/l	0.0061	ND@0.0400	ND@0.0400	ND@0.0400	0.0090	ND@0.0400
ARSENIC, TOTAL	mg/l	0.0053	ND@0.0400	ND@0.0400	0.0098 J	ND@0.0050	ND@0.0400
CHROMIUM, DISSOLVED	mg/l	0.0011	0.0020 J	ND@0.0300	0.0022 J	ND@0.0010	0.0045 J
CHROMIUM, TOTAL	mg/l	0.0100	0.0457	0.0211 J	1.20	1.42	1.63
NICKEL, DISSOLVED	mg/l	NA	NA	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		792	793	952	959	960	960
Sample Description		GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		04/22/2015	02/11/2015	04/29/2015	04/23/2015	04/24/2015	04/24/2015
Laboratory Sample I.D.		7861179	R1501014-003	7868952	7861089	7862320	7862322
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.080 J	0.15	0.050 J	0.14	0.25	0.26
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0400	0.0055	ND@0.0400	ND@0.0400	ND@0.0400	ND@0.0400
ARSENIC, TOTAL	mg/l	ND@0.0400	ND@0.0050	ND@0.0400	0.0112 J	ND@0.0400	ND@0.0400
CHROMIUM, DISSOLVED	mg/l	0.0036 J	0.0075	0.0020 J	ND@0.0300	ND@0.0300	ND@0.0300
CHROMIUM, TOTAL	mg/l	2.12	0.694	0.0024 J	0.0044 J	ND@0.0300	ND@0.0300
NICKEL, DISSOLVED	mg/l	NA	0.111	NA	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	0.239	NA	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		998	999	999
Sample Description		GROUNDWATER	GROUNDWATER	REPLICATE
Sample Date		02/18/2015	02/17/2015	02/17/2015
Laboratory Sample I.D.		R1501221-006	R1501217-005	R1501217-006
Sample Comment Codes				
Parameter	**Units**			
Inorganics				
FLUORIDE	mg/l	0.06 J	ND@0.10	ND@0.10
Metals				
ARSENIC, DISSOLVED	mg/l	NA	NA	NA
ARSENIC, TOTAL	mg/l	NA	NA	NA
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0010
CHROMIUM, TOTAL	mg/l	0.0035	0.0039	0.0027
NICKEL, DISSOLVED	mg/l	NA	NA	NA
NICKEL, TOTAL	mg/l	NA	NA	NA

Former IBM East Fishkill Facility
Groundwater Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

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 E

Production Well Analytical Data (Organics): January 1, 2015 to December 31, 2015
Production Well Analytical Data (Inorganics): January 1, 2015 to December 31, 2015

Former IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		01/06/2015	01/06/2015	02/03/2015	03/02/2015	04/17/2015	05/04/2015
Laboratory Sample I.D.		R1500105-004	R1500105-005	R1500803-003	R1501581-003	7854013	7877950
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@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.3	2.5	3.1	3.5	3.1	2.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1.5	1.6	1.9	1.9	1.7	1.7
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	19	19	23	23	21	19
TRICHLOROETHYLENE	ug/l	7.7	7.9	8.7	8.9	8.6	8.1
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5

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Sample Location		PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 1
Sample Description		REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		05/04/2015	06/01/2015	07/01/2015	08/03/2015	09/01/2015	09/16/2015
Laboratory Sample I.D.		7877951	7911143	7953856	7991412	8032364	8051321
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.8	3.0	3.0	3.3	2.8	3.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1.7	1.8	1.8	1.9	1.5	1.8
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	19	19	21	22	20	22
TRICHLOROETHYLENE	ug/l	8.0	8.5	8.7	9.1	8.0	8.2
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 2
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		10/01/2015	10/15/2015	11/02/2015	11/16/2015	12/01/2015	01/06/2015
Laboratory Sample I.D.		8074154	8092444	8116148	8136985	8156578	R1500105-003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	2.7	2.9	2.6	2.6	2.5	180
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@500
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	1.7	1.7	1.6	1.6	1.6	1200
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@200
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
TETRACHLOROETHYLENE	ug/l	20	19	19	20	19	11000
TRICHLOROETHYLENE	ug/l	7.6	8.0	7.6	7.7	7.6	970
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	130

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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		02/03/2015	03/02/2015	04/17/2015	05/04/2015	06/01/2015	07/01/2015
Laboratory Sample I.D.		R1500803-004	R1501581-004	7854010	7877947	7911134	7953852
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@100	ND@100	ND@50	ND@25	1.4 J	ND@50
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@100	ND@100	ND@50	ND@25	1.4 J	ND@50
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	200	250	200	190	180	150
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@100	ND@100	ND@50	14 J	12	ND@50
ACETONE	ug/l	ND@500	ND@500	ND@500	ND@250	32 J	ND@500
CHLOROBENZENE	ug/l	ND@100	ND@100	ND@50	ND@25	1.3 J	ND@50
CIS-1,2-DICHLOROETHYLENE	ug/l	1400	1500	1300	1400	1400	1300
DICHLORODIFLUOROMETHANE	ug/l	ND@100	ND@100	ND@50	ND@25	ND@5.0	ND@50
ETHYLBENZENE	ug/l	ND@100	ND@100	ND@50	5.3 J	5.0	ND@50
M,P-XYLENE	ug/l	ND@200	ND@200	ND@50	ND@25	2.8 J	ND@50
O-XYLENE	ug/l	ND@100	ND@100	ND@50	6.6 J	6.2	ND@50
TETRACHLOROETHYLENE	ug/l	14000	18000	13000	11000	12000	10000
TRICHLOROETHYLENE	ug/l	1100	1200	1200	1100	1200	1100
TRICHLOROFLUOROMETHANE	ug/l	ND@100	ND@100	ND@50	ND@25	1.5 J	ND@50
VINYL CHLORIDE	ug/l	110	100	130	150	120	120

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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		08/03/2015	09/01/2015	09/16/2015	10/01/2015	10/15/2015	11/02/2015
Laboratory Sample I.D.		7991408	8032365	8051323	8074156	8092445	8116149
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@25	ND@25	ND@10	ND@25	ND@50	ND@50
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@25	ND@25	ND@10	ND@25	ND@50	ND@50
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	190	140	140	110	160	95
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	12 J	ND@25	9.6 J	ND@25	ND@50	ND@50
ACETONE	ug/l	ND@250	ND@250	ND@100	ND@250	ND@500	ND@500
CHLOROBENZENE	ug/l	ND@25	ND@25	ND@10	ND@25	ND@50	ND@50
CIS-1,2-DICHLOROETHYLENE	ug/l	1200	1000	1100	1000	1100	980
DICHLORODIFLUOROMETHANE	ug/l	ND@25	ND@25	ND@10	ND@25	ND@50	ND@50
ETHYLBENZENE	ug/l	ND@25	ND@25	4.6 J	ND@25	ND@50	ND@50
M,P-XYLENE	ug/l	ND@25	ND@25	2.6 J	ND@25	ND@50	ND@50
O-XYLENE	ug/l	5.1 J	ND@25	5.2 J	ND@25	ND@50	ND@50
TETRACHLOROETHYLENE	ug/l	10000	8800	10000	9800	10000	9400
TRICHLOROETHYLENE	ug/l	1100	980	980	830	930	800
TRICHLOROFLUOROMETHANE	ug/l	ND@25	ND@25	ND@10	ND@25	ND@50	ND@50
VINYL CHLORIDE	ug/l	130	100	100	88	110	83

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Sample Location		PW- 2	PW- 2	PW- 4	PW- 4	PW- 4	PW- 4
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		11/16/2015	12/01/2015	01/21/2015	02/03/2015	03/02/2015	04/17/2015
Laboratory Sample I.D.		8136986	8156579	R1500505-006	R1500803-005	R1501581-005	7854011
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	160	140	4.0	3.6	4.1	3.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@50	ND@50	0.30 J	0.30 J	0.38 J	0.2 J
ACETONE	ug/l	ND@500	ND@500	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1100	1000	6.7	6.2	5.9	5.1
DICHLORODIFLUOROMETHANE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	0.2 J
ETHYLBENZENE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@50	ND@50	ND@2.0	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@50	ND@50	ND@1.0	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	11000	10000	140	140	130	81
TRICHLOROETHYLENE	ug/l	990	900	48	45	43	30
TRICHLOROFLUOROMETHANE	ug/l	ND@50	ND@50	0.99 J	1.1	1.3	0.9
VINYL CHLORIDE	ug/l	120	100	ND@1.0	ND@1.0	ND@1.0	ND@0.5

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Sample Location		PW- 4	PW- 4	PW- 4	PW- 4	PW- 4	PW- 4
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL
Sample Date		05/04/2015	06/01/2015	07/01/2015	07/01/2015	08/03/2015	12/01/2015
Laboratory Sample I.D.		7877948	7911135	7953853	7953854	7991409	8156585
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	3.5	3.5	3.2	3.3	3.7	3.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	6.1	6.0	5.6	6.0	6.4	4.9
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	88	120	85	95	94	74
TRICHLOROETHYLENE	ug/l	33	37	33	35	36	32
TRICHLOROFLUOROMETHANE	ug/l	0.8	1.0	0.9	1	1.1	1.1
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		PW-23	PW-23	PW-23	PW-23	PW-23	PW-23
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		01/05/2015	02/03/2015	03/02/2015	04/16/2015	05/04/2015	06/01/2015
Laboratory Sample I.D.		R1500051-007	R1500803-006	R1501581-006	7854000	7877949	7911136
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	1.5	ND@1.0	ND@1.0	0.3 J	0.2 J	0.4 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		PW-23	PW-23	PW-25	PW-25	PW-25	PW-25
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	REPLICATE	PUMPING WELL
Sample Date		07/01/2015	10/16/2015	01/05/2015	02/03/2015	02/03/2015	03/02/2015
Laboratory Sample I.D.		7953844	8094228	R1500051-006	R1500803-007	R1500803-008	R1501581-007
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	18	23	24	28
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@25	ND@25	ND@25	ND@25
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	48	59	58	61
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@10	ND@10	ND@10	ND@10
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TETRACHLOROETHYLENE	ug/l	0.2 J	0.2 J	660	790	780	820
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	140	180	180	190
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@5.0	ND@5.0	ND@5.0	ND@5.0

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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		04/17/2015	05/28/2015	06/01/2015	06/01/2015	07/01/2015	08/03/2015
Laboratory Sample I.D.		7854012	7906375	7911137	7911138	7953855	7991410
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	16	15	17	17	16	19
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
ACETONE	ug/l	ND@25	ND@100	ND@50	ND@50	ND@25	ND@25
CHLOROBENZENE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
CIS-1,2-DICHLOROETHYLENE	ug/l	43	43	47	48	47	52
DICHLORODIFLUOROMETHANE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
ETHYLBENZENE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
M,P-XYLENE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
O-XYLENE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
TETRACHLOROETHYLENE	ug/l	530	600	650	620	510	600
TRICHLOROETHYLENE	ug/l	130	120	140	130	130	140
TRICHLOROFLUOROMETHANE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5
VINYL CHLORIDE	ug/l	ND@2.5	ND@10	ND@5.0	ND@5.0	ND@2.5	ND@2.5

Former IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		PW-25	PW-25	PW-25	PW-25	PW-25	PW-25
Sample Description		REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		08/03/2015	09/01/2015	09/16/2015	10/01/2015	10/15/2015	11/02/2015
Laboratory Sample I.D.		7991411	8032366	8051322	8074158	8092446	8116150
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	18	20	23	16	15	12
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@2.5	0.6	0.6	ND@2.5	ND@5.0	ND@5.0
ACETONE	ug/l	ND@25	ND@5.0	ND@5.0	ND@25	ND@50	ND@50
CHLOROBENZENE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
CIS-1,2-DICHLOROETHYLENE	ug/l	50	39	50	48	43	45
DICHLORODIFLUOROMETHANE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
ETHYLBENZENE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
M,P-XYLENE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
O-XYLENE	ug/l	ND@2.5	ND@0.5	ND@0.5	ND@2.5	ND@5.0	ND@5.0
TETRACHLOROETHYLENE	ug/l	550	480	620	630	560	460
TRICHLOROETHYLENE	ug/l	140	110	130	140	120	120
TRICHLOROFLUOROMETHANE	ug/l	ND@2.5	0.2 J	0.2 J	ND@2.5	ND@5.0	ND@5.0
VINYL CHLORIDE	ug/l	ND@2.5	0.2 J	0.2 J	ND@2.5	ND@5.0	ND@5.0

Former IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		PW-25	PW-25
Sample Description		PUMPING WELL	PUMPING WELL
Sample Date		11/16/2015	12/01/2015
Laboratory Sample I.D.		8136987	8156580
Sample Comment Codes			
Parameter	**Units**		
Base/Neutral Extractables			
1,2-DICHLOROBENZENE	ug/l	ND@5.0	ND@2.5
Volatile Organics			
1,1,1-TRICHLOROETHANE	ug/l	ND@5.0	ND@2.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	16	16
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@5.0	ND@2.5
ACETONE	ug/l	ND@50	ND@25
CHLOROBENZENE	ug/l	ND@5.0	ND@2.5
CIS-1,2-DICHLOROETHYLENE	ug/l	50	47
DICHLORODIFLUOROMETHANE	ug/l	ND@5.0	ND@2.5
ETHYLBENZENE	ug/l	ND@5.0	ND@2.5
M,P-XYLENE	ug/l	ND@5.0	ND@2.5
O-XYLENE	ug/l	ND@5.0	ND@2.5
TETRACHLOROETHYLENE	ug/l	650	630
TRICHLOROETHYLENE	ug/l	130	150
TRICHLOROFLUOROMETHANE	ug/l	ND@5.0	ND@2.5
VINYL CHLORIDE	ug/l	ND@5.0	ND@2.5

Former IBM East Fishkill Facility
Production Well Analytical Data - Organics
January 1, 2015 - December 31, 2015

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

Former IBM East Fishkill Facility
Production Well Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		PW- 1	PW- 1	PW- 1	PW- 1	PW- 1	PW- 2
Sample Description		PUMPING WELL	REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		01/06/2015	01/06/2015	04/17/2015	07/01/2015	10/01/2015	01/06/2015
Laboratory Sample I.D.		R1500105-004	R1500105-005	7854763	7953867	8074155	R1500105-003
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.08 J	0.09 J	0.060 J	0.070 J	0.050 J	0.15
Metals							
ARSENIC, DISSOLVED	mg/l	0.0035 J	0.0034 J	ND@0.0400	ND@0.0400	ND@0.0400	ND@0.0050
ARSENIC, TOTAL	mg/l	ND@0.0050	ND@0.0050	ND@0.0400	ND@0.0400	ND@0.0400	0.0043 J
CHROMIUM, DISSOLVED	mg/l	ND@0.0010	ND@0.0010	ND@0.0300	0.0020 J	0.0030 J	ND@0.0010
CHROMIUM, TOTAL	mg/l	ND@0.0010	ND@0.0010	0.0030 J	ND@0.0300	0.0017 J	ND@0.0010

Former IBM East Fishkill Facility
Production Well Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		PW- 2	PW- 2	PW- 2	PW- 4	PW- 4	PW- 4
Sample Description		PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		04/17/2015	07/01/2015	10/01/2015	01/21/2015	04/17/2015	07/01/2015
Laboratory Sample I.D.		7854010	7953852	8074156	R1500506-001	7854011	7953853
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	0.30	0.22	0.20	0.10 J	0.070 J	0.060 J
Metals							
ARSENIC, DISSOLVED	mg/l	ND@0.0400	ND@0.0400	ND@0.0400	ND@0.0050	ND@0.0400	ND@0.0400
ARSENIC, TOTAL	mg/l	ND@0.0400	ND@0.0400	ND@0.0400	ND@0.0050	ND@0.0400	ND@0.0400
CHROMIUM, DISSOLVED	mg/l	0.0023 J	0.0027 J	0.0022 J	ND@0.0010	ND@0.0300	0.0023 J
CHROMIUM, TOTAL	mg/l	0.0032 J	0.0016 J	0.0023 J	0.0033	0.0019 J	ND@0.0300

Former IBM East Fishkill Facility
Production Well Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		PW- 4	PW-25	PW-25	PW-25	PW-25
Sample Description		REPLICATE	PUMPING WELL	PUMPING WELL	PUMPING WELL	PUMPING WELL
Sample Date		07/01/2015	01/05/2015	04/17/2015	07/01/2015	10/01/2015
Laboratory Sample I.D.		7953854	R1500047-002	7854762	7953855	8074158
Sample Comment Codes						
Parameter	**Units**					
Inorganics						
FLUORIDE	mg/l	0.060 J	0.09 J	0.080 J	0.070 J	0.090 J
Metals						
ARSENIC, DISSOLVED	mg/l	ND@0.0400	0.0034 J	ND@0.0400	ND@0.0400	ND@0.0400
ARSENIC, TOTAL	mg/l	ND@0.0400	ND@0.0050	ND@0.0400	ND@0.0400	ND@0.0400
CHROMIUM, DISSOLVED	mg/l	0.0021 J	ND@0.0010	ND@0.0300	0.0022 J	ND@0.0300
CHROMIUM, TOTAL	mg/l	ND@0.0300	0.0239	0.0022 J	0.0013 J	0.0016 J

Former IBM East Fishkill Facility
Production Well Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

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, 2015 to December 31, 2015

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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		01/05/2015	01/06/2015	01/07/2015	01/08/2015	01/12/2015	01/13/2015
Laboratory Sample I.D.		R1500051-002	R1500105-002	R1500147-002	R1500197-002	R1500271-002	R1500311-002
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	1.7 J	1.9 J	ND@5.0	1.7 J	2.3 J	1.5 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

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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		01/14/2015	01/15/2015	01/19/2015	01/20/2015	01/21/2015	01/22/2015
Laboratory Sample I.D.		R1500345-002	R1500387-002	R1500427-002	R1500457-002	R1500505-002	R1500555-002
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	1.8 J	1.8 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

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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		01/28/2015	02/03/2015	02/04/2015	02/10/2015	02/11/2015	02/12/2015
Laboratory Sample I.D.		R1500715-002	R1500803-002	R1500858-002	R1501034-002	R1501014-002	R1501084-002
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	2.4 J	4.3 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	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

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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		02/17/2015	02/18/2015	02/19/2015	02/23/2015	02/24/2015	02/25/2015
Laboratory Sample I.D.		R1501217-002	R1501221-002	R1501227-002	R1501265-002	R1501288-002	R1501348-002
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	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

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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		02/26/2015	03/02/2015	03/03/2015	03/04/2015	03/10/2015	03/17/2015
Laboratory Sample I.D.		R1501392-002	R1501581-002	R1501587-002	R1501573-002	R1501664-002	R1501876-002
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	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

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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		03/23/2015	03/24/2015	04/16/2015	04/17/2015	04/20/2015	04/21/2015
Laboratory Sample I.D.		R1502017-002	R1502054-002	7853999	7854009	7857442	7857429
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		04/22/2015	04/23/2015	04/24/2015	04/27/2015	04/28/2015	04/29/2015
Laboratory Sample I.D.		7861174	7861087	7862314	7866792	7866683	7868960
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		04/30/2015	05/01/2015	05/04/2015	05/05/2015	06/01/2015	06/18/2015
Laboratory Sample I.D.		7872541	7872553	7877943	7877968	7911133	7936709
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		07/01/2015	07/16/2015	07/17/2015	07/23/2015	07/27/2015	08/03/2015
Laboratory Sample I.D.		7953843	7971605	7971637	7978741	7982395	7991407
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		09/01/2015	10/01/2015	10/08/2015	10/09/2015	10/12/2015	10/13/2015
Laboratory Sample I.D.		8032371	8074165	8084675	8084709	8087993	8087951
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		10/14/2015	10/15/2015	10/16/2015	10/19/2015	10/20/2015	10/21/2015
Laboratory Sample I.D.		8092458	8092479	8094227	8097216	8097224	8103153
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	TRIP BLANK
Sample Description		WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	NO. 1
Sample Date		10/22/2015	10/23/2015	10/26/2015	11/06/2015	12/28/2015	01/05/2015
Laboratory Sample I.D.		8103157	8104031	8107679	8124644	8191214	R1500051-001
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.8 J
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0

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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		01/06/2015	01/07/2015	01/08/2015	01/12/2015	01/13/2015	01/14/2015
Laboratory Sample I.D.		R1500105-001	R1500147-001	R1500197-001	R1500271-001	R1500311-001	R1500345-001
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	1.6 J	1.8 J	2.1 J	1.9 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

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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		01/15/2015	01/19/2015	01/20/2015	01/21/2015	01/22/2015	01/28/2015
Laboratory Sample I.D.		R1500387-001	R1500427-001	R1500457-001	R1500505-001	R1500555-001	R1500715-001
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	ND@5.0	3.2 J	3.3 J	3.3 J	2.7 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

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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		02/03/2015	02/04/2015	02/10/2015	02/11/2015	02/12/2015	02/17/2015
Laboratory Sample I.D.		R1500803-001	R1500858-001	R1501034-001	R1501014-001	R1501084-001	R1501217-001
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	5.6	ND@5.0	1.4 J	ND@5.0	1.5 J	1.5 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

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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		02/18/2015	02/19/2015	02/23/2015	02/24/2015	02/25/2015	02/26/2015
Laboratory Sample I.D.		R1501221-001	R1501227-001	R1501265-001	R1501288-001	R1501348-001	R1501392-001
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	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

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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		03/02/2015	03/03/2015	03/04/2015	03/10/2015	03/17/2015	03/23/2015
Laboratory Sample I.D.		R1501581-001	R1501587-001	R1501573-001	R1501664-001	R1501876-001	R1502017-001
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	ND@5.0	ND@5.0	2.2 J	2.6 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

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 1	NO. 2	NO. 1	NO. 2	NO. 1
Sample Date		03/24/2015	04/16/2015	04/16/2015	04/17/2015	04/17/2015	04/20/2015
Laboratory Sample I.D.		R1502054-001	R1502824-004	7853998	R1502822-001	7854008	7857419
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 2	NO. 3	NO. 1	NO. 2	NO. 3	NO. 1
Sample Date		04/20/2015	04/20/2015	04/21/2015	04/21/2015	04/21/2015	04/22/2015
Laboratory Sample I.D.		7857408	7857441	7857428	7857411	7857434	7861120
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 2	NO. 3	NO. 1	NO. 2	NO. 3	NO. 4
Sample Date		04/22/2015	04/22/2015	04/23/2015	04/23/2015	04/23/2015	04/23/2015
Laboratory Sample I.D.		7861162	7861134	R1503031-002	7861129	7861184	7861086
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	ND@5.0	ND@5.0	1.7 J	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 2	NO. 3	NO. 4	NO. 1	NO. 2
Sample Date		04/24/2015	04/24/2015	04/24/2015	04/24/2015	04/27/2015	04/27/2015
Laboratory Sample I.D.		R1503030-001	7862313	7862327	7862319	7866693	7866785
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	1.4 J	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 3	NO. 1	NO. 2	NO. 1	NO. 2	NO. 3
Sample Date		04/27/2015	04/28/2015	04/28/2015	04/29/2015	04/29/2015	04/29/2015
Laboratory Sample I.D.		7866677	7866703	7866682	R1503226-001	7868959	7868970
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 4	NO. 1	NO. 2	NO. 1	NO. 1	NO. 1
Sample Date		04/29/2015	04/30/2015	04/30/2015	05/01/2015	05/04/2015	05/05/2015
Laboratory Sample I.D.		7868951	R1503225-001	7872540	7872552	7877942	7877967
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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. 2
Sample Date		05/28/2015	06/01/2015	06/18/2015	07/01/2015	07/16/2015	07/16/2015
Laboratory Sample I.D.		7906374	7911132	7936708	7953842	7971604	7971626
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 2	NO. 1	NO. 2	NO. 1	NO. 2
Sample Date		07/17/2015	07/17/2015	07/23/2015	07/23/2015	07/27/2015	07/27/2015
Laboratory Sample I.D.		7971619	7971636	7978740	7978748	7982361	7982394
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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. 2
Sample Date		08/03/2015	09/01/2015	09/16/2015	10/01/2015	10/08/2015	10/08/2015
Laboratory Sample I.D.		7991406	8032363	8051320	8074164	8084700	8084674
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 2	NO. 1	NO. 2	NO. 1	NO. 2
Sample Date		10/12/2015	10/12/2015	10/14/2015	10/14/2015	10/16/2015	10/16/2015
Laboratory Sample I.D.		8087947	8087992	8092474	8092457	8094237	8094226
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		10/19/2015	10/20/2015	10/21/2015	10/22/2015	10/26/2015	11/02/2015
Laboratory Sample I.D.		8097215	8097223	8103152	8104030	8107678	8116147
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		NO. 1	NO. 1	NO. 1	NO. 1
Sample Date		11/06/2015	11/16/2015	12/01/2015	12/28/2015
Laboratory Sample I.D.		8124643	8136984	8156577	8191215
Sample Comment Codes					
Parameter	**Units**				
Base/Neutral Extractables					
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics					
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Former IBM East Fishkill Facility
Quality Assurance/Control Analytical Data
January 1, 2015 - December 31, 2015

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 G

Groundwater Treatment Analytical Data (Organics): January 1, 2015 to December 31, 2015
Groundwater Treatment Analytical Data (Inorganics): January 1, 2015 to December 31, 2015

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		032B	032B	032B	032B	032B	032B
Sample Description		GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	REPLICATE	GW/AREA D IN	GW/AREA D IN
Sample Date		01/07/2015	02/04/2015	03/03/2015	03/03/2015	04/16/2015	05/04/2015
Laboratory Sample I.D.		R1500147-003	R1500858-009	R1501587-010	R1501587-011	7854001	7877964
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@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	0.53 J	0.54 J	0.58 J	0.63 J	0.4 J	0.4 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.66 J	0.53 J	0.60 J	0.62 J	0.4 J	0.5 J
TRICHLOROETHYLENE	ug/l	1.7	1.3	1.5	1.4	1.2	1.3
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		032B	032B	032B	080	080	080
Sample Description		GW/AREA D IN	GW/AREA D IN	GW/AREA D IN	PW-2 EFFL	PW-2 EFFL	PW-2 EFFL
Sample Date		06/01/2015	07/01/2015	10/16/2015	01/05/2015	01/09/2015	01/12/2015
Laboratory Sample I.D.		7911150	7953851	8094236	R1500054-007	R1500265-002	R1500268-006
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.5 J	0.5	1.0	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.5	0.7	1	0.66 J	0.31 J	0.43 J
TRICHLOROETHYLENE	ug/l	1.5	1.8	3.3	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		01/19/2015	01/26/2015	02/02/2015	02/09/2015	02/16/2015	02/23/2015
Laboratory Sample I.D.		R1500429-006	R1500604-006	R1500799-007	R1501040-006	R1501143-006	R1501269-006
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

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Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		03/02/2015	03/09/2015	03/16/2015	03/23/2015	03/30/2015	04/06/2015
Laboratory Sample I.D.		R1501579-007	R1501675-006	R1501809-006	R1502010-006	R1502268-006	R1502401-007
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	2.1 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

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		04/13/2015	04/20/2015	04/27/2015	05/04/2015	05/11/2015	05/18/2015
Laboratory Sample I.D.		R1502656-006	R1502915-006	R1503102-006	R1503277-007	R1503618-006	R1503803-006
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

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		05/26/2015	06/01/2015	06/08/2015	06/15/2015	06/22/2015	06/29/2015
Laboratory Sample I.D.		R1504084-006	R1504303-007	R1504503-006	R1504756-005	R1504986-005	R1505203-005
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	1.1	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	1.6	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

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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		07/06/2015	07/13/2015	07/20/2015	07/27/2015	08/03/2015	08/10/2015
Laboratory Sample I.D.		R1505364-006	R1505618-005	R1505858-005	R1506096-005	R1506353-006	R1506635-005
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	0.34 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.22 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

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Groundwater Treatment Analytical Data - Organics
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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		08/17/2015	08/24/2015	08/31/2015	09/08/2015	09/14/2015	09/21/2015
Laboratory Sample I.D.		R1506810-005	R1507027-005	R1507314-005	R1507495-006	R1507628-005	R1507900-005
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	0.31 J	ND@1.0
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	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	1.7	3.5	4.8

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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		09/28/2015	10/05/2015	10/12/2015	10/19/2015	10/26/2015	11/02/2015
Laboratory Sample I.D.		R1508179-005	R1508462-007	R1508787-006	R1508944-006	R1509138-006	R1509394-007
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	1.5	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	5.2	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		11/09/2015	11/16/2015	11/23/2015	11/30/2015	12/07/2015	12/14/2015
Laboratory Sample I.D.		R1509679-006	R1509968-006	R1510215-006	R1510404-006	R1510671-007	R1510851-006
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	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

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Sample Location		080	080	221	221	221	221
Sample Description		PW-2 EFFL	PW-2 EFFL	PW-2/GAC	PW-2/GAC	PW-2/GAC	PW-2/GAC
Sample Date		12/21/2015	12/28/2015	01/05/2015	01/09/2015	01/12/2015	01/19/2015
Laboratory Sample I.D.		R1511137-006	R1511299-006	R1500054-006	R1500265-001	R1500268-005	R1500429-005
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	0.32 J	ND@1.0	0.98 J

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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		01/26/2015	02/02/2015	02/09/2015	02/16/2015	02/23/2015	03/02/2015
Laboratory Sample I.D.		R1500604-005	R1500799-006	R1501040-005	R1501143-005	R1501269-005	R1501579-006
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	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	1.1	2.0	2.4	1.9	3.2	2.4

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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		03/09/2015	03/16/2015	03/23/2015	03/30/2015	04/06/2015	04/13/2015
Laboratory Sample I.D.		R1501675-005	R1501809-005	R1502010-005	R1502268-005	R1502401-006	R1502656-005
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	5.0 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	0.34 J	1.1	1.6
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	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	2.6	4.1	5.4	4.7	7.2	8.1

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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		04/20/2015	04/27/2015	05/04/2015	05/11/2015	05/18/2015	05/26/2015
Laboratory Sample I.D.		R1502915-005	R1503102-005	R1503277-006	R1503618-005	R1503803-005	R1504084-005
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	0.27 J	0.30 J	0.47 J	0.97 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	3.3	10	17	27	57	120
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	10	21	23	22	34	36

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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		06/01/2015	06/08/2015	06/15/2015	06/22/2015	06/29/2015	07/06/2015
Laboratory Sample I.D.		R1504303-006	R1504503-005	R1504756-006	R1504986-006	R1505203-006	R1505364-007
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	1.3	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	120	120	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	45	38	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		07/13/2015	07/20/2015	07/27/2015	08/03/2015	08/10/2015	08/17/2015
Laboratory Sample I.D.		R1505618-006	R1505858-006	R1506096-006	R1506353-007	R1506635-006	R1506810-006
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	0.73 J	1.1	3.2	13	16

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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		08/24/2015	08/31/2015	09/08/2015	09/14/2015	09/21/2015	09/28/2015
Laboratory Sample I.D.		R1507027-006	R1507314-006	R1507495-007	R1507628-006	R1507900-006	R1508179-006
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	0.42 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	ND@1.0	1.4	10
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	35	33	47	43	71	77

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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		10/05/2015	10/12/2015	10/19/2015	10/26/2015	11/02/2015	11/09/2015
Laboratory Sample I.D.		R1508462-006	R1508787-005	R1508944-005	R1509138-005	R1509394-006	R1509679-005
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	2.1	2.4	1.7	3.8	4.0	5.1

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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		11/16/2015	11/23/2015	11/30/2015	12/07/2015	12/14/2015	12/21/2015
Laboratory Sample I.D.		R1509968-005	R1510215-005	R1510404-005	R1510671-006	R1510851-005	R1511137-005
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	4.6 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	6.3	9.4	11	14	14	13

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Sample Location		221	360	360	360	360	360
Sample Description		PW-2/GAC	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT	B/322 OUTPUT
Sample Date		12/28/2015	01/07/2015	02/10/2015	03/24/2015	04/16/2015	05/05/2015
Laboratory Sample I.D.		R1511299-005	R1500147-006	R1501034-010	R1502054-005	7854007	7877981
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@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
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@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.2 J	0.2 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.1 J	0.1 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	17	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5

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Sample Location		360	360	395	395	395	395
Sample Description		B/322 OUTPUT	B/322 OUTPUT	B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE
Sample Date		06/01/2015	07/01/2015	01/05/2015	02/04/2015	03/10/2015	03/10/2015
Laboratory Sample I.D.		7911149	7953850	R1500051-003	R1500858-003	R1501664-004	R1501664-005
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
ACETONE	ug/l	ND@5.0	ND@5.0	ND@1000	ND@250	ND@1000	ND@1000
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	130 J	82	110 J	120 J
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@400	ND@100	ND@400	ND@400
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
TETRACHLOROETHYLENE	ug/l	0.2 J	0.2 J	28000	6900	26000	26000
TRICHLOROETHYLENE	ug/l	0.1 J	0.1 J	730	180	670	660
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@200	ND@50	ND@200	ND@200

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Sample Location		395	395	395	395	395	395
Sample Description		B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP
Sample Date		04/17/2015	05/04/2015	06/01/2015	07/01/2015	08/03/2015	09/01/2015
Laboratory Sample I.D.		7854017	7877952	7911139	7953860	7991413	8032367
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@50	ND@50	ND@50	ND@50	8.1 J	7.9
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	46 J	79	32 J	ND@50	51	32
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
ACETONE	ug/l	ND@500	ND@500	ND@500	ND@500	ND@250	ND@50
CHLOROBENZENE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	1.8 J
CIS-1,2-DICHLOROETHYLENE	ug/l	64	86	89	88	76	90
DICHLORODIFLUOROMETHANE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
ETHYLBENZENE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
M,P-XYLENE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
O-XYLENE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
TETRACHLOROETHYLENE	ug/l	19000	22000	17000	8700	21000	26000
TRICHLOROETHYLENE	ug/l	640	730	390	190	580	730 J
TRICHLOROFLUOROMETHANE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0
VINYL CHLORIDE	ug/l	ND@50	ND@50	ND@50	ND@50	ND@25	ND@5.0

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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		10/01/2015	11/02/2015	12/01/2015	01/05/2015	02/04/2015	03/03/2015
Laboratory Sample I.D.		8074160	8116151	8156581	R1500051-004	R1500858-004	R1501587-005
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	36 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
ACETONE	ug/l	ND@500	ND@500	ND@500	ND@1000	ND@500	ND@500
CHLOROBENZENE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
CIS-1,2-DICHLOROETHYLENE	ug/l	58	59	82	100 J	73 J	77 J
DICHLORODIFLUOROMETHANE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
ETHYLBENZENE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
M,P-XYLENE	ug/l	ND@50	ND@50	ND@50	ND@400	ND@200	ND@200
O-XYLENE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
TETRACHLOROETHYLENE	ug/l	12000	16000	17000	22000	14000	16000
TRICHLOROETHYLENE	ug/l	280	340	470	490	390	360
TRICHLOROFLUOROMETHANE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100
VINYL CHLORIDE	ug/l	ND@50	ND@50	ND@50	ND@200	ND@100	ND@100

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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		04/17/2015	05/04/2015	06/01/2015	07/01/2015	08/03/2015	09/01/2015
Laboratory Sample I.D.		7854018	7877962	7911141	7953861	7991415	8032369
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@50	ND@50	0.9 J	ND@50	ND@25	ND@25
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@50	ND@50	6.6	ND@50	ND@25	ND@25
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	74	58	46	ND@50	26	17 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
ACETONE	ug/l	ND@500	ND@500	ND@25	ND@500	ND@250	ND@250
CHLOROBENZENE	ug/l	ND@50	ND@50	1.7 J	ND@50	ND@25	ND@25
CIS-1,2-DICHLOROETHYLENE	ug/l	58	73	83	37 J	51	37
DICHLORODIFLUOROMETHANE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
ETHYLBENZENE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
M,P-XYLENE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
O-XYLENE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
TETRACHLOROETHYLENE	ug/l	19000	17000	21000	9000	12000	10000
TRICHLOROETHYLENE	ug/l	630	560	530	160	320	240
TRICHLOROFLUOROMETHANE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25
VINYL CHLORIDE	ug/l	ND@50	ND@50	ND@2.5	ND@50	ND@25	ND@25

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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		10/01/2015	11/02/2015	12/01/2015	01/05/2015	02/04/2015	03/03/2015
Laboratory Sample I.D.		8074162	8116153	8156583	R1500051-005	R1500858-005	R1501587-006
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	12 J	17 J	ND@50	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
ACETONE	ug/l	ND@250	ND@250	ND@500	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	43	51	61	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@25	ND@25	ND@50	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	9900	11000	16000	4.4	6.1	5.4
TRICHLOROETHYLENE	ug/l	200	280	350	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@25	ND@25	ND@50	ND@1.0	ND@1.0	ND@1.0

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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		04/17/2015	05/04/2015	06/01/2015	07/01/2015	08/03/2015	09/01/2015
Laboratory Sample I.D.		7854019	7877963	7911142	7953862	7991416	8032370
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	2.3	3.6	2.5	1.5	2.2	2.3
TRICHLOROETHYLENE	ug/l	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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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		10/01/2015	11/02/2015	12/01/2015	01/05/2015	02/02/2015	03/02/2015
Laboratory Sample I.D.		8074163	8116154	8156584	R1500054-001	R1500799-001	R1501579-001
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	1.6	2.2	1.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	2.0	2.4	2.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	2.7	0.3 J	0.5	34	42	36
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	12	14	13
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	0.26 J	0.25 J
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0

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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		04/06/2015	05/04/2015	06/01/2015	07/06/2015	08/03/2015	09/08/2015
Laboratory Sample I.D.		R1502401-001	R1503277-001	R1504303-001	R1505364-001	R1506353-001	R1507495-002
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	2.4	2.1	1.8	1.8	2.7	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	2.6	1.9	2.5	2.4	3.0	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	43	36	36	35	40	21
TRICHLOROETHYLENE	ug/l	14	12	12	13	14	6.8
TRICHLOROFLUOROMETHANE	ug/l	0.27 J	ND@1.0	0.30 J	0.32 J	0.29 J	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

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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		10/05/2015	11/02/2015	12/07/2015	01/05/2015	01/12/2015	01/19/2015
Laboratory Sample I.D.		R1508462-001	R1509394-001	R1510671-001	R1500054-003	R1500268-002	R1500429-002
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	2.5	2.2	2.0	4.3	4.7	4.6
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.25 J	0.30 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	1.7	2.6	1.8	5.6	5.3	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	20	35	18	5.3	5.8	5.9
TRICHLOROETHYLENE	ug/l	8.1	15	6.9	11	12	13
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	0.48 J	ND@1.0	0.50 J	0.55 J	0.58 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		01/26/2015	02/02/2015	02/09/2015	02/16/2015	02/23/2015	03/02/2015
Laboratory Sample I.D.		R1500604-002	R1500799-003	R1501040-002	R1501143-002	R1501269-002	R1501579-003
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	5.1	5.0	4.8	4.7	5.6	4.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.26 J	0.25 J	0.29 J	ND@1.0	0.26 J	0.30 J
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	6.2	5.8	5.5	5.4	6.7	4.9
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	7.6	6.8	6.6	5.6	6.9	5.0
TRICHLOROETHYLENE	ug/l	13	13	12	11	12	9.3
TRICHLOROFLUOROMETHANE	ug/l	0.62 J	0.62 J	0.62 J	0.59 J	0.82 J	0.66 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		03/09/2015	03/16/2015	03/23/2015	03/30/2015	04/06/2015	04/13/2015
Laboratory Sample I.D.		R1501675-002	R1501809-002	R1502010-002	R1502268-002	R1502401-003	R1502656-002
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	3.8	4.7	4.6	3.8	4.4	4.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.29 J	0.24 J	ND@1.0	ND@1.0	0.26 J	0.29 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	4.8	5.5	5.8	4.5	5.4	5.7
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	5.7	6.6	8.0	7.6	7.9	8.1
TRICHLOROETHYLENE	ug/l	9.7	11	13	11	12	13
TRICHLOROFLUOROMETHANE	ug/l	0.57 J	0.59 J	0.63 J	0.46 J	0.54 J	0.59 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		04/20/2015	04/27/2015	05/04/2015	05/11/2015	05/18/2015	05/26/2015
Laboratory Sample I.D.		R1502915-002	R1503102-002	R1503277-003	R1503618-002	R1503803-002	R1504084-002
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	3.4	3.7	4.4	4.5	4.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.27 J	ND@1.0	ND@1.0	ND@1.0	0.24 J	0.23 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	5.5	4.5	4.4	5.1	5.2	4.8
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	8.4	8.1	7.9	7.9	9.2	10
TRICHLOROETHYLENE	ug/l	13	11	11	12	13	14
TRICHLOROFLUOROMETHANE	ug/l	0.54 J	0.40 J	0.47 J	0.53 J	0.56 J	0.57 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		06/01/2015	06/08/2015	06/15/2015	06/22/2015	06/29/2015	07/06/2015
Laboratory Sample I.D.		R1504303-003	R1504503-002	R1504756-002	R1504986-002	R1505203-002	R1505364-003
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	3.7	4.6	3.2	3.6	3.1	3.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.22 J	0.22 J	0.25 J	ND@1.0	0.23 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	4.8	4.5	4.4	4.8	4.3	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	11	11	9.9	12	11
TRICHLOROETHYLENE	ug/l	14	14	13	14	14	13
TRICHLOROFLUOROMETHANE	ug/l	0.48 J	0.60 J	0.41 J	0.44 J	0.51 J	0.57 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		07/13/2015	07/20/2015	07/27/2015	08/03/2015	08/10/2015	08/17/2015
Laboratory Sample I.D.		R1505618-002	R1505858-002	R1506096-002	R1506353-003	R1506635-002	R1506810-002
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	2.9	4.2	3.5	3.9	4.7	4.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.21 J	0.23 J	0.21 J	ND@1.0	0.24 J	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	4.3	5.2	4.5	4.6	4.9	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	12	12	10	15	19	15
TRICHLOROETHYLENE	ug/l	13	14	13	15	18	16
TRICHLOROFLUOROMETHANE	ug/l	0.53 J	0.62 J	0.56 J	0.48 J	0.57 J	0.48 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		08/24/2015	08/31/2015	09/08/2015	09/14/2015	09/21/2015	09/28/2015
Laboratory Sample I.D.		R1507027-002	R1507314-002	R1507495-003	R1507628-002	R1507900-002	R1508179-002
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	5.0	4.4	7.0	7.3	9.4	5.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.31 J	0.26 J	0.44 J	0.46 J	0.43 J	0.38 J
ACETONE	ug/l	ND@5.0	ND@5.0	3.3 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	6.3	7.9	12	13	15	13
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	16	22	27	32	15
TRICHLOROETHYLENE	ug/l	17	16	19	21	26	12
TRICHLOROFLUOROMETHANE	ug/l	0.50 J	0.44 J	0.55 J	0.48 J	0.64 J	0.64 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		10/05/2015	10/12/2015	10/19/2015	10/26/2015	11/02/2015	11/09/2015
Laboratory Sample I.D.		R1508462-003	R1508787-002	R1508944-002	R1509138-002	R1509394-003	R1509679-002
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	8.2	6.1	6.0	6.2	6.2	6.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.40 J	0.40 J	0.33 J	0.40 J	0.37 J	0.35 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	13	12	11	12	12	13
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	22	16	16	16	17	17
TRICHLOROETHYLENE	ug/l	22	17	18	18	18	18
TRICHLOROFLUOROMETHANE	ug/l	0.59 J	0.48 J	0.60 J	0.48 J	0.52 J	0.50 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		11/16/2015	11/23/2015	11/30/2015	12/07/2015	12/14/2015	12/21/2015
Laboratory Sample I.D.		R1509968-002	R1510215-002	R1510404-002	R1510671-003	R1510851-002	R1511137-002
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	6.6	6.4	7.2	7.2	6.7	6.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.38 J	0.46 J	0.34 J	0.38 J	0.37 J	0.30 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	12	12	12	13	12	10
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	17	17	20	21	24	30
TRICHLOROETHYLENE	ug/l	17	18	19	19	21	21
TRICHLOROFLUOROMETHANE	ug/l	0.49 J	0.47 J	0.47 J	0.45 J	0.40 J	0.55 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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Sample Location		511	512	512	512	512	512
Sample Description		C CARB/GAC 1	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2	C CARB/GAC 2
Sample Date		12/28/2015	01/05/2015	01/12/2015	01/19/2015	01/26/2015	02/02/2015
Laboratory Sample I.D.		R1511299-002	R1500054-004	R1500268-003	R1500429-003	R1500604-003	R1500799-004
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	5.5	3.3	3.3	3.1	3.9	4.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.28 J	0.27 J	0.31 J	0.35 J	0.34 J	0.34 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	9.7	6.3	6.1	6.5	7.5	7.4
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	31	0.80 J	0.84 J	0.84 J	1.1	1.2
TRICHLOROETHYLENE	ug/l	21	2.8	3.2	3.4	3.5	4.0
TRICHLOROFLUOROMETHANE	ug/l	0.48 J	0.48 J	0.60 J	0.54 J	0.69 J	0.65 J
VINYL CHLORIDE	ug/l	ND@1.0	0.40 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		02/09/2015	02/16/2015	02/23/2015	03/02/2015	03/09/2015	03/16/2015
Laboratory Sample I.D.		R1501040-003	R1501143-003	R1501269-003	R1501579-004	R1501675-003	R1501809-003
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	4.1	5.0	4.9	3.7	3.8	4.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.41 J	0.36 J	0.33 J	0.44 J	0.34 J	0.38 J
ACETONE	ug/l	ND@5.0	ND@5.0	6.3	ND@5.0	4.0 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	7.7	9.0	8.3	7.1	6.7	7.9
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	1.3	1.5	1.7	1.7	1.6	1.9
TRICHLOROETHYLENE	ug/l	4.4	4.5	4.6	4.3	4.3	5.5
TRICHLOROFLUOROMETHANE	ug/l	0.69 J	0.80 J	0.70 J	0.61 J	0.67 J	0.63 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		03/23/2015	03/30/2015	04/06/2015	04/13/2015	04/20/2015	04/27/2015
Laboratory Sample I.D.		R1502010-003	R1502268-003	R1502401-004	R1502656-003	R1502915-003	R1503102-003
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	4.5	3.2	3.7	4.4	3.6	2.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.37 J	0.27 J	0.33 J	0.36 J	0.31 J	0.26 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	8.4	6.1	7.5	7.9	7.3	6.1
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	1.9	1.7	1.7	1.8	1.6	1.6
TRICHLOROETHYLENE	ug/l	5.2	4.6	4.6	4.4	4.3	3.8
TRICHLOROFLUOROMETHANE	ug/l	0.69 J	0.45 J	0.60 J	0.65 J	0.54 J	0.48 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		05/04/2015	05/11/2015	05/18/2015	05/26/2015	06/01/2015	06/08/2015
Laboratory Sample I.D.		R1503277-004	R1503618-003	R1503803-003	R1504084-003	R1504303-004	R1504503-003
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	3.0	3.7	3.6	3.9	3.8	4.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.30 J	0.30 J	0.30 J	0.33 J	0.30 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	6.2	7.4	7.3	7.3	6.8	7.1
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	1.6	1.6	1.8	2.4	2.3	2.8
TRICHLOROETHYLENE	ug/l	4.1	4.5	4.9	5.7	6.0	6.4
TRICHLOROFLUOROMETHANE	ug/l	0.50 J	0.60 J	0.53 J	0.65 J	0.50 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

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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		06/15/2015	06/22/2015	06/29/2015	07/06/2015	07/13/2015	07/20/2015
Laboratory Sample I.D.		R1504756-003	R1504986-003	R1505203-003	R1505364-004	R1505618-003	R1505858-003
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	3.4	3.3	2.8	3.2	2.7	4.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.27 J	0.33 J	0.22 J	0.34 J	0.22 J	0.26 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	7.2	6.4	6.3	6.5	6.2	7.9
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	3.0	2.4	2.5	2.3	3.9	4.1
TRICHLOROETHYLENE	ug/l	6.1	5.2	4.8	4.8	5.9	6.0
TRICHLOROFLUOROMETHANE	ug/l	0.51 J	0.56 J	0.48 J	0.54 J	0.48 J	0.60 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		07/27/2015	08/03/2015	08/10/2015	08/17/2015	08/24/2015	08/31/2015
Laboratory Sample I.D.		R1506096-003	R1506353-004	R1506635-003	R1506810-003	R1507027-003	R1507314-003
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	3.1	3.5	4.1	4.2	4.5	4.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.29 J	0.28 J	0.38 J	0.31 J	0.28 J	0.38 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	6.4	6.2	7.0	7.2	9.2	10
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	2.7	4.4	5.7	6.2	11	13
TRICHLOROETHYLENE	ug/l	5.2	5.8	7.1	7.0	9.9	11
TRICHLOROFLUOROMETHANE	ug/l	0.45 J	0.47 J	0.54 J	0.51 J	0.54 J	0.60 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		09/08/2015	09/14/2015	09/21/2015	09/28/2015	10/05/2015	10/12/2015
Laboratory Sample I.D.		R1507495-004	R1507628-003	R1507900-003	R1508179-003	R1508462-004	R1508787-003
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	5.7	5.6	6.5	6.9	6.4	5.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.47 J	0.47 J	0.44 J	0.38 J	0.36 J	0.34 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	12	12	15	13	13	14
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	19	22	27	21	16	12
TRICHLOROETHYLENE	ug/l	12	13	18	19	15	13
TRICHLOROFLUOROMETHANE	ug/l	0.54 J	0.61 J	0.66 J	0.62 J	0.59 J	0.56 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		10/19/2015	10/26/2015	11/02/2015	11/09/2015	11/16/2015	11/23/2015
Laboratory Sample I.D.		R1508944-003	R1509138-003	R1509394-004	R1509679-003	R1509968-003	R1510215-003
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	4.0	4.2	4.2	5.2	4.8	4.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.27 J	0.29 J	0.31 J	0.44 J	0.37 J	0.34 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	12	12	12	13	13	13
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	9.9	10	9.5	10	11
TRICHLOROETHYLENE	ug/l	13	11	12	11	11	11
TRICHLOROFLUOROMETHANE	ug/l	0.43 J	0.43 J	0.42 J	0.52 J	0.32 J	0.45 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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Sample Location		512	512	512	512	512	513
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 3
Sample Date		11/30/2015	12/07/2015	12/14/2015	12/21/2015	12/28/2015	01/05/2015
Laboratory Sample I.D.		R1510404-003	R1510671-004	R1510851-003	R1511137-003	R1511299-003	R1500054-005
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	5.6	5.0	4.8	4.8	4.7	22
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.32 J	0.38 J	0.29 J	0.33 J	0.33 J	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	13	13	13	9.9	9.9	76
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	13	14	15	15	ND@1.0
TRICHLOROETHYLENE	ug/l	13	12	13	12	13	8.2
TRICHLOROFLUOROMETHANE	ug/l	0.49 J	0.37 J	0.43 J	0.51 J	0.57 J	0.73 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		01/12/2015	01/19/2015	01/26/2015	02/02/2015	02/09/2015	02/12/2015
Laboratory Sample I.D.		R1500268-004	R1500429-004	R1500604-004	R1500799-005	R1501040-004	R1501088-002
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	25	25	28	20	19	6.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.1	1.3	1.1	0.85 J	0.80 J	2.0
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	75	80	87	79	76	12
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	0.81 J	1.8	3.7	ND@1.0
TRICHLOROETHYLENE	ug/l	13	20	29	37	48	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.78 J	0.82 J	0.80 J	0.57 J	0.53 J	0.53 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		02/16/2015	02/23/2015	03/02/2015	03/09/2015	03/16/2015	03/23/2015
Laboratory Sample I.D.		R1501143-004	R1501269-004	R1501579-005	R1501675-004	R1501809-004	R1502010-004
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	5.1	11	7.4	7.9	11	13
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.8	2.9	1.7	1.5	1.2	1.3
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	4.5 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	14	27	23	27	38	44
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	0.52 J	0.90 J	0.64 J	0.59 J	0.65 J	0.70 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		03/30/2015	04/06/2015	04/13/2015	04/20/2015	04/27/2015	05/04/2015
Laboratory Sample I.D.		R1502268-004	R1502401-005	R1502656-004	R1502915-004	R1503102-004	R1503277-005
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	8.5	14	14	10	12	9.2
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.80 J	1.1	0.87 J	0.70 J	0.67 J	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	36	51	55	49	42	39
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	0.30 J	0.63 J	0.96 J
TRICHLOROFLUOROMETHANE	ug/l	0.43 J	0.60 J	0.63 J	0.39 J	0.45 J	0.29 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		05/11/2015	05/18/2015	05/26/2015	06/01/2015	06/08/2015	06/15/2015
Laboratory Sample I.D.		R1503618-004	R1503803-004	R1504084-004	R1504303-005	R1504503-004	R1504756-004
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	13	9.2	11	10	11	10
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.56 J	0.47 J	0.58 J	0.57 J	0.57 J	0.43 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	45	44	46	44	48	47
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	0.35 J	0.73 J	1.6	2.6
TRICHLOROETHYLENE	ug/l	1.4	2.0	3.5	5.5	8.4	11
TRICHLOROFLUOROMETHANE	ug/l	0.48 J	0.39 J	0.43 J	0.30 J	0.33 J	0.32 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		06/22/2015	06/29/2015	07/06/2015	07/13/2015	07/20/2015	07/27/2015
Laboratory Sample I.D.		R1504986-004	R1505203-004	R1505364-005	R1505618-004	R1505858-004	R1506096-004
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	11	9.7	13	12	17	16
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.63 J	0.50 J	0.53 J	0.39 J	0.65 J	0.60 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	50	48	52	48	54	51
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	3.8	6.4	8.1	11	13	18
TRICHLOROETHYLENE	ug/l	14	18	23	26	29	33
TRICHLOROFLUOROMETHANE	ug/l	0.36 J	0.28 J	0.36 J	0.34 J	0.50 J	0.36 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		08/03/2015	08/10/2015	08/17/2015	08/24/2015	08/31/2015	09/08/2015
Laboratory Sample I.D.		R1506353-005	R1506635-004	R1506810-004	R1507027-004	R1507314-004	R1507495-005
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	20	16	12	9.5	13
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.63 J	0.69 J	0.60 J	0.60 J	0.51 J	0.63 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	49	61	52	53	52	58
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	40	37	33	33	39
TRICHLOROETHYLENE	ug/l	36	53	51	49	48	49
TRICHLOROFLUOROMETHANE	ug/l	0.34 J	0.45 J	0.27 J	0.29 J	0.34 J	0.29 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		09/14/2015	09/21/2015	09/28/2015	10/05/2015	10/12/2015	10/19/2015
Laboratory Sample I.D.		R1507628-004	R1507900-004	R1508179-004	R1508462-005	R1508787-004	R1508944-004
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	17	21	17	21	0.33 J	0.72 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.75 J	0.77 J	0.68 J	0.69 J	0.41 J	0.57 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	59	64	58	62	3.1	3.9
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	52	57	51	61	ND@1.0	ND@1.0
TRICHLOROETHYLENE	ug/l	57	70	58	73	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	0.34 J	0.41 J	0.45 J	0.38 J	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

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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		10/26/2015	11/02/2015	11/09/2015	11/16/2015	11/23/2015	11/30/2015
Laboratory Sample I.D.		R1509138-004	R1509394-005	R1509679-004	R1509968-004	R1510215-004	R1510404-004
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	0.68 J	0.85 J	2.0	3.1	4.1	6.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.60 J	0.56 J	0.91 J	1.0	1.3	1.2
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	5.0	7.0	11	16	21	26
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	0.27 J	0.27 J	0.36 J	0.38 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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Sample Location		513	513	513	513	555	555
Sample Description		C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB/GAC 3	C CARB EFFL	C CARB EFFL
Sample Date		12/07/2015	12/14/2015	12/21/2015	12/28/2015	01/05/2015	01/12/2015
Laboratory Sample I.D.		R1510671-005	R1510851-004	R1511137-004	R1511299-004	R1500054-002	R1500268-001
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	7.1	7.4	6.8	11	0.85 J	1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.3	1.2	1.3	1.4	0.38 J	0.58 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	32	34	35	44	0.74 J	0.77 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	0.47 J	0.47 J	0.37 J	0.53 J	ND@1.0	0.21 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	0.57 J	0.41 J

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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		01/19/2015	01/26/2015	02/02/2015	02/09/2015	02/16/2015	02/23/2015
Laboratory Sample I.D.		R1500429-001	R1500604-001	R1500799-002	R1501040-001	R1501143-001	R1501269-001
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	1.3	1.6	2.5	3.2	1.3	1.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.74 J	0.84 J	0.96 J	1.2	ND@1.0	0.23 J
ACETONE	ug/l	ND@5.0	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	1.3	2.2	3.3	5.4	1.3	1.5
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	0.26 J	0.28 J	0.34 J	0.42 J	0.27 J	0.36 J
VINYL CHLORIDE	ug/l	0.38 J	0.33 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		03/02/2015	03/09/2015	03/16/2015	03/23/2015	03/30/2015	04/06/2015
Laboratory Sample I.D.		R1501579-002	R1501675-001	R1501809-001	R1502010-001	R1502268-001	R1502401-002
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	1.1	1.0	1.4	1.1	0.74 J	0.96 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	0.22 J	0.22 J	0.24 J	ND@1.0	0.22 J
ACETONE	ug/l	1.7 J	6.0	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	1.1	1.1	1.3	1.1	0.93 J	0.96 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	0.22 J	0.25 J	0.20 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	ND@1.0	ND@1.0

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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		04/13/2015	04/20/2015	04/27/2015	05/04/2015	05/11/2015	05/18/2015
Laboratory Sample I.D.		R1502656-001	R1502915-001	R1503102-001	R1503277-002	R1503618-001	R1503803-001
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	0.88 J	0.80 J	0.57 J	0.59 J	0.66 J	1.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.22 J	0.28 J	ND@1.0	0.21 J	0.32 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	1.0	0.94 J	0.70 J	0.67 J	0.79 J	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	0.26 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		05/26/2015	06/01/2015	06/08/2015	06/15/2015	06/22/2015	06/29/2015
Laboratory Sample I.D.		R1504084-001	R1504303-002	R1504503-001	R1504756-001	R1504986-001	R1505203-001
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	0.91 J	0.97 J	1.3	0.79 J	0.55 J	0.54 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.28 J	0.25 J	0.35 J	0.31 J	0.39 J	0.26 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	0.96 J	1.1	1.3	1.2	1.1	0.71 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	0.26 J	0.22 J	0.31 J	0.24 J	0.24 J	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

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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		07/06/2015	07/13/2015	07/20/2015	07/27/2015	08/03/2015	08/10/2015
Laboratory Sample I.D.		R1505364-002	R1505618-001	R1505858-001	R1506096-001	R1506353-002	R1506635-001
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	0.77 J	0.36 J	0.58 J	ND@1.0	1.1	1.2
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.35 J	0.27 J	0.35 J	0.32 J	0.41 J	0.32 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	1.0	0.66 J	0.96 J	0.90 J	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	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	0.25 J	ND@1.0	ND@1.0	ND@1.0	0.22 J	0.33 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		08/17/2015	08/24/2015	08/31/2015	09/08/2015	09/14/2015	09/21/2015
Laboratory Sample I.D.		R1506810-001	R1507027-001	R1507314-001	R1507495-001	R1507628-001	R1507900-001
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	1.2	0.98 J	0.85 J	0.96 J	0.98 J	1.2
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.37 J	0.34 J	0.29 J	0.40 J	0.40 J	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	1.6	1.5	1.6	1.8	1.8	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	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	0.26 J	0.30 J	0.23 J	0.24 J	0.32 J	0.37 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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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		09/28/2015	10/05/2015	10/12/2015	10/19/2015	10/26/2015	11/02/2015
Laboratory Sample I.D.		R1508179-001	R1508462-002	R1508787-001	R1508944-001	R1509138-001	R1509394-002
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	1.3	2.3	1.7	1.8	2.2	1.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.32 J	0.33 J	0.21 J	0.23 J	0.23 J	ND@1.0
ACETONE	ug/l	4.8 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	2.3	2.9	2.7	2.5	3.1	1.6
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	ND@1.0	ND@1.0	1.0	0.89 J	0.79 J	0.99 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.96 J	0.75 J	0.93 J	0.76 J
TRICHLOROFLUOROMETHANE	ug/l	0.24 J	0.35 J	0.28 J	0.27 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	ND@1.0

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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		11/09/2015	11/16/2015	11/23/2015	11/30/2015	12/07/2015	12/14/2015
Laboratory Sample I.D.		R1509679-001	R1509968-001	R1510215-001	R1510404-001	R1510671-002	R1510851-001
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	2.8	1.8	1.9	1.7	1.6	1.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.38 J	ND@1.0	ND@1.0	ND@1.0	0.22 J	0.21 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	2.6	2.6	2.0	2.4	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	0.55 J	0.59 J	0.44 J	0.51 J	0.50 J	0.44 J
TRICHLOROETHYLENE	ug/l	0.59 J	0.49 J	0.42 J	0.44 J	0.38 J	0.38 J
TRICHLOROFLUOROMETHANE	ug/l	0.39 J	0.24 J	0.25 J	0.23 J	0.23 J	0.21 J
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0

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Sample Location		555	555	612	612	612	612
Sample Description		C CARB EFFL	C CARB EFFL	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date		12/21/2015	12/28/2015	01/07/2015	02/10/2015	03/24/2015	04/16/2015
Laboratory Sample I.D.		R1511137-001	R1511299-001	R1500147-004	R1501034-007	R1502054-003	7854005
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@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.3	1.4	ND@1.0	ND@1.0	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.23 J	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5
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@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	1.7	1.9	ND@1.0	ND@1.0	ND@1.0	0.1 J
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.38 J	0.41 J	ND@1.0	ND@1.0	ND@1.0	ND@0.5
TRICHLOROETHYLENE	ug/l	0.26 J	0.30 J	ND@1.0	0.38 J	0.32 J	0.2 J
TRICHLOROFLUOROMETHANE	ug/l	0.25 J	0.23 J	ND@1.0	ND@1.0	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@0.5

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Sample Location		612	612	612	612	617	617
Sample Description		GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date		05/05/2015	06/01/2015	07/01/2015	10/27/2015	01/07/2015	02/10/2015
Laboratory Sample I.D.		7877979	7911147	7953848	8107681	R1500147-005	R1501034-008
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	0.1 J	0.1 J	0.1 J	ND@0.5	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	0.32 J
TRICHLOROETHYLENE	ug/l	0.2 J	0.3 J	0.3 J	0.2 J	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0

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Sample Location		617	617	617	617	617	617
Sample Description		REPLICATE	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN
Sample Date		02/10/2015	03/24/2015	04/16/2015	05/05/2015	06/01/2015	07/01/2015
Laboratory Sample I.D.		R1501034-009	R1502054-004	7854006	7877980	7911148	7953849
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.32 J	ND@1.0	0.2 J	0.2 J	0.2 J	0.2 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	0.2 J	0.1 J	0.1 J	0.1 J
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		617	618	618	618	618	628
Sample Description		GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/B322 IN	GW/AREA B IN
Sample Date		10/20/2015	01/14/2015	04/29/2015	07/27/2015	10/15/2015	01/05/2015
Laboratory Sample I.D.		8097219	R1500345-003	7868954	7982396	8092480	R1500051-008
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	0.4 J	0.4 J	0.3 J	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@2.0	ND@0.5	ND@0.5	ND@0.5	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.2 J	ND@1.0	ND@0.5	ND@0.5	ND@0.5	0.70 J
TRICHLOROETHYLENE	ug/l	0.1 J	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@1.0	ND@0.5	ND@0.5	ND@0.5	ND@1.0

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		628	628	628	628	628	628
Sample Description		REPLICATE	GW/AREA B IN	GW/AREA B IN	GW/AREA B IN	GW/AREA B IN	GW/AREA B IN
Sample Date		01/05/2015	02/04/2015	03/03/2015	04/16/2015	05/05/2015	06/01/2015
Laboratory Sample I.D.		R1500051-011	R1500858-006	R1501587-007	7854002	7877976	7911144
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
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@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@2.0	ND@2.0	ND@2.0	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.66 J	0.63 J	0.51 J	0.6	0.5	0.4 J
TRICHLOROETHYLENE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@1.0	ND@1.0	ND@1.0	ND@0.5	ND@0.5	ND@0.5

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		628	628	628A	628A	628A	628A
Sample Description		GW/AREA B IN	GW/AREA B IN	AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B EFFL
Sample Date		07/01/2015	10/15/2015	01/05/2015	02/04/2015	03/03/2015	04/16/2015
Laboratory Sample I.D.		7953845	8092464	R1500051-009	R1500858-007	R1501587-008	7854003
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
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@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@2.0	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.5	0.8	0.32 J	0.44 J	0.37 J	0.4 J
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@0.5

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		628A	628A	628A	628B	628B	628B
Sample Description		AREA B EFFL	AREA B EFFL	AREA B EFFL	AREA B/GAC	AREA B/GAC	AREA B/GAC
Sample Date		05/05/2015	06/01/2015	07/01/2015	01/05/2015	02/04/2015	03/03/2015
Laboratory Sample I.D.		7877977	7911145	7953846	R1500051-010	R1500858-008	R1501587-009
Sample Comment Codes							
Parameter	**Units**						
Base/Neutral Extractables							
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	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@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@2.0	ND@2.0	ND@2.0
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
TETRACHLOROETHYLENE	ug/l	0.4 J	0.4 J	0.4 J	0.71 J	0.68 J	0.71 J
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

Sample Location		628B	628B	628B	628B
Sample Description		AREA B/GAC	AREA B/GAC	AREA B/GAC	AREA B/GAC
Sample Date		04/16/2015	05/05/2015	06/01/2015	07/01/2015
Laboratory Sample I.D.		7854004	7877978	7911146	7953847
Sample Comment Codes					
Parameter	**Units**				
Base/Neutral Extractables					
1,2-DICHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
Volatile Organics					
1,1,1-TRICHLOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/l	ND@5.0	ND@5.0	ND@5.0	ND@5.0
CHLOROBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
O-XYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHYLENE	ug/l	0.6	0.6	0.5	0.6
TRICHLOROETHYLENE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/l	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Organics
January 1, 2015 - December 31, 2015

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

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		395	395	395	395	395	395
Sample Description		B/384 SUMP	B/384 SUMP	B/384 SUMP	REPLICATE	B/384 SUMP	B/384 SUMP
Sample Date		01/05/2015	02/04/2015	03/10/2015	03/10/2015	04/17/2015	05/04/2015
Laboratory Sample I.D.		R1500051-003	R1500858-003	R1501664-004	R1501664-005	7854767	7877952
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	1.03	1.09	1.10	1.09	0.79	0.83
Metals							
CHROMIUM, DISSOLVED	mg/l	0.0015	0.0017	0.0066	0.0069	0.0146 J	0.0041 J
CHROMIUM, TOTAL	mg/l	ND@0.0010	0.0052	0.0180	0.0177	0.0123 J	0.0056 J

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		395	395	395	395	395	395
Sample Description		B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP	B/384 SUMP
Sample Date		06/01/2015	07/01/2015	08/03/2015	09/01/2015	10/01/2015	11/02/2015
Laboratory Sample I.D.		7911139	7953871	7991413	8032367	8074160	8116151
Sample Comment Codes							
Parameter	**Units**						
Inorganics							
FLUORIDE	mg/l	1.0	0.88	1.2	1.4	0.97	1.1
Metals							
CHROMIUM, DISSOLVED	mg/l	0.0035 J	0.0037 J	0.0047 J	0.0065 J	0.0022 J	0.0023 J
CHROMIUM, TOTAL	mg/l	0.0147	0.0032 J	0.0256 J	0.0880	0.0152 J	0.0179 J

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

Sample Location		395
Sample Description		B/384 SUMP
Sample Date		12/01/2015
Laboratory Sample I.D.		8156582
Sample Comment Codes		
Parameter	**Units**	
Inorganics		
FLUORIDE	mg/l	1.2
Metals		
CHROMIUM, DISSOLVED	mg/l	0.0034 J
CHROMIUM, TOTAL	mg/l	0.0280 J

Former IBM East Fishkill Facility
Groundwater Treatment Analytical Data - Inorganics
January 1, 2015 - December 31, 2015

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 H

Vapor Intrusion Assessment Annual Report

SANBORN HEAD ENGINEERING

Building Trust. Engineering Success.

VAPOR INTRUSION ASSESSMENT ANNUAL REPORT

Former IBM East Fishkill Facility
Hopewell Junction, New York

Prepared for IBM Corporation
File No. 2999.06
May 2016

SANBORN HEAD ENGINEERING
Building Trust. Engineering Success.

Dean Chartrand
IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, VA 20109

May 24, 2016
File No. 2999.06

Re: Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York
EPA ID No. NYD000707901

Dear Mr. Chartrand:

The enclosed report provides a summary of vapor intrusion assessment and mitigation-related work that was completed in 2015 at the former IBM East Fishkill facility. We understand that this report will be included as an appendix to the facility's 2015 Annual Corrective Action Status Report. Please contact us if you have any questions.

Very truly yours,
SANBORN, HEAD ENGINEERING, P.C.

David Shea

David Shea, P.E.
President
20 Foundry St
Concord, NH 03301

JHS/DS: ds

Encl. Vapor Intrusion Assessment Annual Report

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SANBORN HEAD ENGINEERING

Building Trust. Engineering Success.

VAPOR INSTRUSION ASSESSMENT ANNUAL REPORT

Former IBM East Fishkill Facility
Hopewell Junction, New York

Prepared for
IBM Corporation

Prepared by
Sanborn, Head Engineering, P.C.

File 2999.06
May 2016

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APPENDICES

Appendix A Limitations

1.0 INTRODUCTION

This report provides a summary of vapor intrusion (VI) assessment and mitigation-related work that was completed in 2015 at the former IBM East Fishkill Facility (the site), currently owned by Global Foundries (GF). This report (hereinafter referred to as the VI Assessment Annual Report) will be submitted to the New York State Department of Environmental Conservation (NYSDEC) as an attachment to the 2015 Annual Corrective Action Status Report prepared on behalf of IBM by Groundwater Sciences Corporation (GSC).

A site location plan is provided as Figure 1, and a map of site buildings is provided as Figure 2. The work described herein was conducted on behalf of IBM by Sanborn, Head Engineering, PC (SHPC) in general accordance with IBM's Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan dated June 15, 2009 (RFI Work Plan), which was approved by NYSDEC.

The services conducted and this report are subject to the standard limitations for this type of work, as described in Appendix A.

1.1 Report Organization

This report is organized into four sections as described below:

Section 1 presents a general introduction, including the objectives and scope of the report, and a summary of the status of the buildings that were the focus of the RFI Work Plan.

Section 2 provides a building-specific summary of heating, ventilating, and air conditioning (HVAC) adjustments and confirmatory indoor air quality (IAQ) sampling that was performed in 2015.

Section 3 provides a summary of subslab soil vapor extraction (SVE), subslab depressurization, and exterior SVE system operation and performance in 2015.

Section 4 provides a summary of upcoming activities at the site.

1.2 Objectives and Scope

The purpose of this report is to summarize the VI assessment and mitigation-related work that was conducted at the site by IBM in 2015. The work includes HVAC adjustment testing, confirmatory IAQ sampling, and installation, start-up and performance of a subslab depressurization system (SSDS) and an exterior pilot SVE system. In addition, this report provides system performance data for two existing subslab SVE systems at the site (i.e., installed pre-2015).

In general, summary reports have been submitted to NYSDEC for the work discussed herein. Therefore, this report serves as an overall summary of the previous submittals, which are referenced in the applicable sections below.

1.3 RFI Work Plan Status and Responsibility

IBM's RFI Work Plan for VI assessment focused on 13 buildings. The activities in 2015 and status of these buildings are summarized in Table 1. IBM divested its former East Fishkill facility to GF in July 2015, and IBM maintains responsibility for execution of the RFI Work Plan. IBM is working cooperatively with GF to maintain the HVAC operating conditions in routinely occupied portions of the buildings that were the focus of the RFI Work Plan. It is GF's responsibility to communicate planned changes to occupancy or HVAC conditions in the buildings that were the focus of the RFI Work Plan to IBM, so that IBM can assess whether additional IAQ testing is warranted at that time. IBM maintains responsibility for operation and maintenance (O&M) of the SVE and SSD systems.

2.0 CONFIRMATORY INDOOR AIR TESTING PERFORMED IN 2015

In August 2015, GF requested to change HVAC operating conditions in B330C, B330D, and B338 due to decreased occupancy in those buildings. Confirmatory IAQ testing was subsequently conducted in 2015 to assess the impact of requested HVAC changes on IAQ within those buildings. Confirmatory IAQ sampling was also conducted in B322 in 2015 as a result of significant changes in building use and HVAC operating conditions that have taken place since the previous round of confirmatory sampling in 2008.

The confirmatory samples discussed in the following sections were collected using 6-L pre-evacuated Summa® canisters over a period of approximately 8 hours. The samples were submitted to Eurofins/Air Toxics (ATL) of Folsom, California for analysis of 22 project-specific analytes using modified USEPA Method TO-15. Additional building-specific sampling information is provided in the sections below.

2.1 B322 – Indoor Air Quality Sampling

IAQ sampling was conducted by IBM in B322 in October 2015, and the results were presented to NYSDEC in a summary report that was submitted in January 2016.[1] The purpose of IAQ testing in B322 was to assess the potential presence and concentrations of certain VOCs in indoor air under current HVAC conditions in an area that is routinely occupied by GF.

Prior IAQ sampling was conducted by IBM on August 21, 2008. Since that time, a clean room that occupied the central portion of the building was decommissioned, and the corresponding HVAC units were turned off. Given the significant changes in building use and HVAC operating conditions since 2008, IBM elected to perform the IAQ testing described herein, focusing on the occupied portion of the building.

As shown on Figure 3, B322 is mainly unoccupied, with the exception of the telephone room and an associated office in the southern corner of the building. Four HVAC zones are currently running and serve the perimeter hallways and several perimeter rooms. HVAC units are not running in the interior, unoccupied portion of the building. A summary of

[1] Sanborn, Head Engineering, P.C., *Data Transmittal for B322 Indoor Air Quality Testing, IBM's Former East Fishkill Facility, Hopewell Junction, New York*, January 2016.

current air handling unit (AHU) settings is included in Table 2, and the operating HVAC zones are shown on Figure 3.

Confirmatory IAQ samples were collected on October 26, 2015 in conformance with the procedures described in the RFI Work Plan. IAQ sampling results for the 22 project-specific analytes are provided in Table 3, and the tetrachloroethene (PCE) and trichloroethene (TCE) results are depicted on Figure 3.

PCE and TCE were not detected above the laboratory reporting limit in the indoor air samples collected from the routinely occupied telephone room or associated office area, or the ambient outdoor air sample.

Low levels of five analytes were detected in indoor air, including acetone, carbon tetrachloride, dichlorodifluoromethane (CFC12), toluene, and trichlorofluoromethane (CFC11). With the exception of toluene, these compounds were also detected at similar concentrations in the ambient outside air sample, indicating that the concentrations detected at interior locations are likely attributable to the presence of these analytes in ambient outdoor air. While toluene was not identified as a constituent in the chemicals located near the sample locations, it may be present in paint, adhesives, cleaning supplies, or other common products used in the building and is unlikely related to vapor intrusion.

Because neither PCE nor TCE were detected in the indoor air samples, IBM believes these results support keeping B322 in the category of no further assessment.[2] IBM will continue to work cooperatively with GF to evaluate GF's planned changes to occupancy or HVAC conditions in B322 so that IBM can assess whether additional IAQ testing is needed at that time.

GF communicated the confirmatory sample results to the building occupants via building postings beginning on January 25, 2016, which was within 45 days of IBM's receipt of validated data.

2.2 B330C – HVAC Adjustments Testing and Indoor Air Quality Sampling

IAQ sampling was conducted by IBM in B330C in November 2015, and the results were presented to NYSDEC in a summary report that was submitted in February 2016.[3] The purpose of conducting IAQ sampling was to assess the impact of GF's requested HVAC changes to VOC concentrations in indoor air.

To account for decreased occupancy in the building, GF requested to either decrease the outside air (OA) flow or turn off AHUs in certain HVAC zones. The original HVAC settings (i.e., before the November 2015 testing was conducted) and the adjusted HVAC settings (i.e., changes proposed based on the November 2015 testing) for B330C are provided in Table 4. Zones in which HVAC settings were adjusted are represented by shaded rows.

[2] See letter from the Agencies to IBM dated March 13, 2013.

[3] Sanborn, Head Engineering, P.C., *Report of HVAC Adjustment and Indoor Air Quality Testing, Buildings 330C and 338, Former IBM East Fishkill Facility, Hopewell Junction, New York*, February 2016.

The locations of the HVAC zones and a depiction of their operating status during the November 2015 testing are provided on Figure 4. In addition to adjusting OA flow, the HVAC adjustments included infrastructure modifications that affected HVAC zones AC-6, AC-7, AC-9, AC-26, and AC-91. Further detail on the infrastructure modifications are included in the February 2016 report.

Confirmatory IAQ sampling was conducted in occupied areas of B330C on November 18 and 19, 2015 in conformance with the procedures described in the RFI Work Plan. Occupied areas of B330C in November 2015 are shown on Figure 4. Confirmatory indoor air samples were collected under GF's adjusted HVAC conditions documented on Figure 4 and in Table 4. Indoor air confirmatory sampling results are provided in Table 4, and the PCE and TCE results are depicted on Figure 5.

PCE was not detected at 3 of the 14 locations, while the remaining sample locations exhibited PCE ranging from 1.1 to 15 $\mu g/m^3$. The highest concentrations of PCE were detected in the Reliability Lab and in the eastern portion of zone AC-6 (NEXX Tool Lab). TCE was not detected at 10 of 14 sample locations. The remaining sample locations exhibited TCE at or below levels of 0.32 $\mu g/m^3$. TCE was only detected in samples collected from the south and west portions of the building and at low concentrations.

A comparison of the November 2015 PCE and TCE results to the most recent historical confirmatory samples is provided on Figure 5. At each location, the November 2015 PCE and TCE concentrations were consistent with or lower than they were in the last historical sample.

Low levels of seven analytes were detected in indoor air, including: acetone, benzene, carbon tetrachloride, 1,1,2-trichloro-1,2,2-trifluoroethane (CFC113), methylene chloride, toluene, and CFC11. With the exception of the maximum concentration of acetone (170 $\mu g/m^3$) and CFC113, these compounds were also detected at similar concentrations in the ambient outside air sample, indicating that the concentrations detected at interior locations are likely attributable to the presence of these analytes in ambient outdoor air. The maximum acetone concentration noted above was detected in a laboratory that reportedly uses acetone in its operations, which likely contributed to the higher indoor air concentration.

GF communicated the confirmatory sample results to the building occupants via building postings beginning on February 12, 2016, which was within 45 days of IBM's receipt of validated data. IBM understands GF will maintain the current HVAC operating conditions until there are occupancy or other changes that warrant consideration of new adjustments and IAQ testing.

A subslab vapor (SSV) assessment, which included the installation and sampling of SSV monitoring ports, and installation and pilot testing of SSV extraction ports, was conducted in B330C in 2015 and is continuing into 2016. The results of the SSV assessment and pilot testing will be provided to NYSDEC in a forthcoming conceptual design report for a subslab SVE system in B330C.

2.3 B330D - HVAC Adjustments Testing and Indoor Air Quality Sampling

IAQ sampling was conducted by IBM in B330D in December 2015, and the results were presented to NYSDEC in a summary report that was submitted in March 2016.[4] The purpose of conducting IAQ sampling was to assess the impact of GF's requested HVAC changes to VOC concentrations in indoor air.

In August 2015, GF requested to change HVAC operating conditions on the first floor of B330D due to decreased occupancy. The original HVAC settings (i.e., before the December 2015 testing was conducted) and the adjusted HVAC settings (i.e., conditions under which the December 2015 testing was conducted) are provided in Table 6. Zones in which HVAC operations were adjusted are represented by shaded rows. The locations of the HVAC zones and a depiction of their operating status are provided on Figure 6.

Confirmatory IAQ sampling was conducted on December 17, 2015 in conformance with the procedures described in the RFI Work Plan. Confirmatory samples were collected in nine occupied areas of the first floor under GF's adjusted HVAC conditions documented in Table 6 and on Figure 6. Indoor air confirmatory sampling results are provided in Table 7, and the PCE and TCE results are depicted on Figure 7. The existing subslab SVE system in the northern portion of the building (referred to as the 80K area; discussed in Section 3.3 of this report), was running at the time of confirmatory sample collection.

PCE was detected at all 9 sample locations, with concentrations ranging from 3.5 to 19 $\mu g/m^3$. The highest concentration of PCE was detected in the southeastern portion of the building in HVAC zone AC-8-2. PCE concentrations were generally the lowest in the northeast and southwest portions of the building, and increased toward the central portions of the building. TCE was detected in 6 of the 9 sample locations. Where detected, TCE was typically less than 0.3 $\mu g/m^3$, with the exception of the IA4019 field duplicate sample where TCE was detected at 1.3 $\mu g/m^3$.

A comparison of the December 2015 PCE and TCE confirmatory sample results to the July 2011 confirmatory sample results is provided on Figure 7. Sampling locations with paired historical and recent confirmatory data are primarily located in the southern portion of the building. The December 2015 PCE concentrations are higher than the July 2011 results at the same locations, with one exception (sample location IA BH-40). This may be a result of mechanical changes that were made to the HVAC systems in the southern portion of the building in December 2014 and the associated reduction in outside air flow rates.

Low levels of nine additional analytes were detected in indoor air, including: acetone, benzene, carbon tetrachloride, CFC12, methylene chloride, toluene, CFC11, o-xylene, and m,p-xylene. With the exception of xylene, these compounds were also detected at similar concentrations in the ambient outside air sample, indicating that the concentrations detected at interior locations are likely attributable to the presence of these analytes in ambient outdoor air.

[4] Sanborn, Head Engineering, P.C., *Report of HVAC Adjustment and Indoor Air Quality Testing, Building 330D, Former IBM East Fishkill Facility, Hopewell Junction, New York*, March 2016.

GF communicated the confirmatory sample results to the building occupants via building postings beginning on March 11, 2016, which was within 45 days of IBM's receipt of validated data.

IBM understands that GF will maintain the adjusted HVAC operating conditions shown in Table 6 and depicted on Figure 6 until there are occupancy or other changes that warrant consideration of new adjustments and IAQ testing. A subslab vapor investigation and subslab SVE pilot testing is currently underway in B330D to address the detections of PCE in indoor air confirmatory samples.

2.4 B338 – HVAC Adjustments Testing and Indoor Air Screening

Indoor air screening was conducted by IBM in B338 in August 2015, and the results were presented to NYSDEC in a summary report that was submitted in February 2016.[5] The purpose of conducting the indoor air screening was to assess the impact of GF's requested HVAC changes to VOC concentrations in indoor air. Confirmatory Summa® canister samples were not collected as part of the B338 assessment because the building is currently unoccupied.

Equipment within B338 has been decommissioned and the building is currently vacant. Based on this change in use, GF requested to change the HVAC operating conditions within that building. The original HVAC settings (i.e., before the August 2015 testing was conducted) and the adjusted HVAC settings (i.e., changes made based on the August 2015 testing) for B338 are provided in Table 8. Zones in which HVAC settings were adjusted are represented by shaded rows. The original HVAC settings are also referred to as baseline settings in Table 8 and in this report. The B338 HVAC zones are shown on Figure 8.

IAQ screening was conducted in B338 from August 10 through 14, 2015 using a HAPSITE® portable gas chromatograph/mass spectrometer (GC/MS). The portable GC/MS was calibrated to analyze for PCE and TCE to a reporting limit of approximately 0.68 and 0.54 $\mu g/m^3$, respectively.

IAQ screening was conducted under two conditions: 1) with AHUs running under their original (baseline) operating conditions, and 2) with AHUs running under the adjusted operating conditions requested by GF. The AHU settings for the original (baseline) conditions and adjusted operating conditions are summarized in Table 8.

PCE and TCE screening results are depicted on Figure 8. In summary, under GF's adjusted HVAC operating conditions for an unoccupied building scenario, the screening results indicate increases in PCE and TCE in most areas of the building, with the least effects in the area served by AC-4, and the greatest effects in the AC-1 and AC-2 areas, as well as the loading dock area and connecting corridor to B330C. GF made the changes to the B338 HVAC settings upon completion of the testing.

[5] Sanborn, Head Engineering, P.C., *Report of HVAC Adjustment and Indoor Air Quality Testing, Buildings 330C and 338, Former IBM East Fishkill Facility, Hopewell Junction, New York*, February 2016.

IBM understands that GF's current plans for this building do not include routine occupancy. IBM will continue to work cooperatively with GF to evaluate GF's planned changes to occupancy or HVAC conditions in B338 so that IBM can assess whether additional IAQ testing is warranted at that time.

2.5 Conclusions of Indoor Air Testing

The indoor air testing showed that after GF's requested HVAC adjustments were made, PCE and TCE concentrations in indoor air were generally consistent with or lower than concentrations previously reported to NYSDEC. As discussed above, the exception includes the southern portion of B330D where HVAC adjustments made in December 2014 resulted in a reduction in outside air flow rates. IBM is conducting a subslab vapor assessment to further evaluate the feasibility of installing a subslab SVE system in B330D.

IBM is working cooperatively with GF to conduct additional IAQ assessments when there are significant changes to HVAC conditions or occupancy in building that were the focus of the RFI Work Plan.

3.0 SUBSLAB VAPOR EXTRACTION AND DEPRESSURIZATION SYSTEMS

In 2015, operations continued for two existing subslab SVE systems, one located in Building 310 (started up in February 2012), and the other in Building 330D 80K Area (started up in October 2010). In September 2015, an SSDS was constructed in the linkway between Buildings 308 and 310 and put into operation in October 2015. In addition, in May 2015, an exterior pilot SVE system in Remediation Area A (Area A) was installed and put into temporary operation as an extended pilot test.

The primary purpose of the subslab SVE systems in Building 330D 80K area and Building 310 is to mitigate the vapor intrusion pathway into those buildings and provide VOC source reduction, while the linkway SSDS was installed as a supplemental VI mitigation measure. The Area A pilot system was installed to assess the potential for supplemental VOC source reduction from a portion of a historical source area. Operations and performance summaries of these systems are provided below.

3.1 B310 Subslab Vapor Extraction

The B310 subslab SVE system was put into operation in February 2012 as documented in a May 2013 report submitted to NYSDEC.[6]

The subslab SVE system is designed for continuous operation. To ensure its ongoing effectiveness, IBM and GF personnel conduct periodic monitoring of operations and performance. Operations monitoring includes periodic review of system components, the results of which are recorded on a system log sheet. Performance monitoring involves sampling of extracted and treated vapor to track VOC mass removal and the need for change-outs of the granular activated carbon (GAC) treatment units. It also included

[6] Sanborn, Head Engineering, PC, *Performance Monitoring and Confirmatory Sampling Results – Building 310 VOC Source Assessment, IBM East Fishkill Facility, Hopewell Junction, NY*, May 2013.

monitoring of vacuum field conditions (differential pressure) to ensure adequate subslab depressurization.

Our review of the 2015 operations log sheets indicated that the system operated consistently without any significant shut downs. Subslab differential pressure readings within Building 310 were recorded in January 2015. These readings, along with the approximate extent of subslab depressurization, are shown on Figure 9. Based on our review of the operations log sheets and the differential pressure measurements, it is our opinion that the subslab SVE system operated in accordance with its design objectives.

Treatment system process vapor samples were collected monthly and analyzed for PCE and TCE. Approximately 600 pounds of PCE were removed from the subsurface during 2015, bringing the total mass removed since the February 2012 system startup to approximately 3,800 pounds. A plot of mass removal rate and cumulative mass removed since system start-up is shown on Exhibit 1 below.

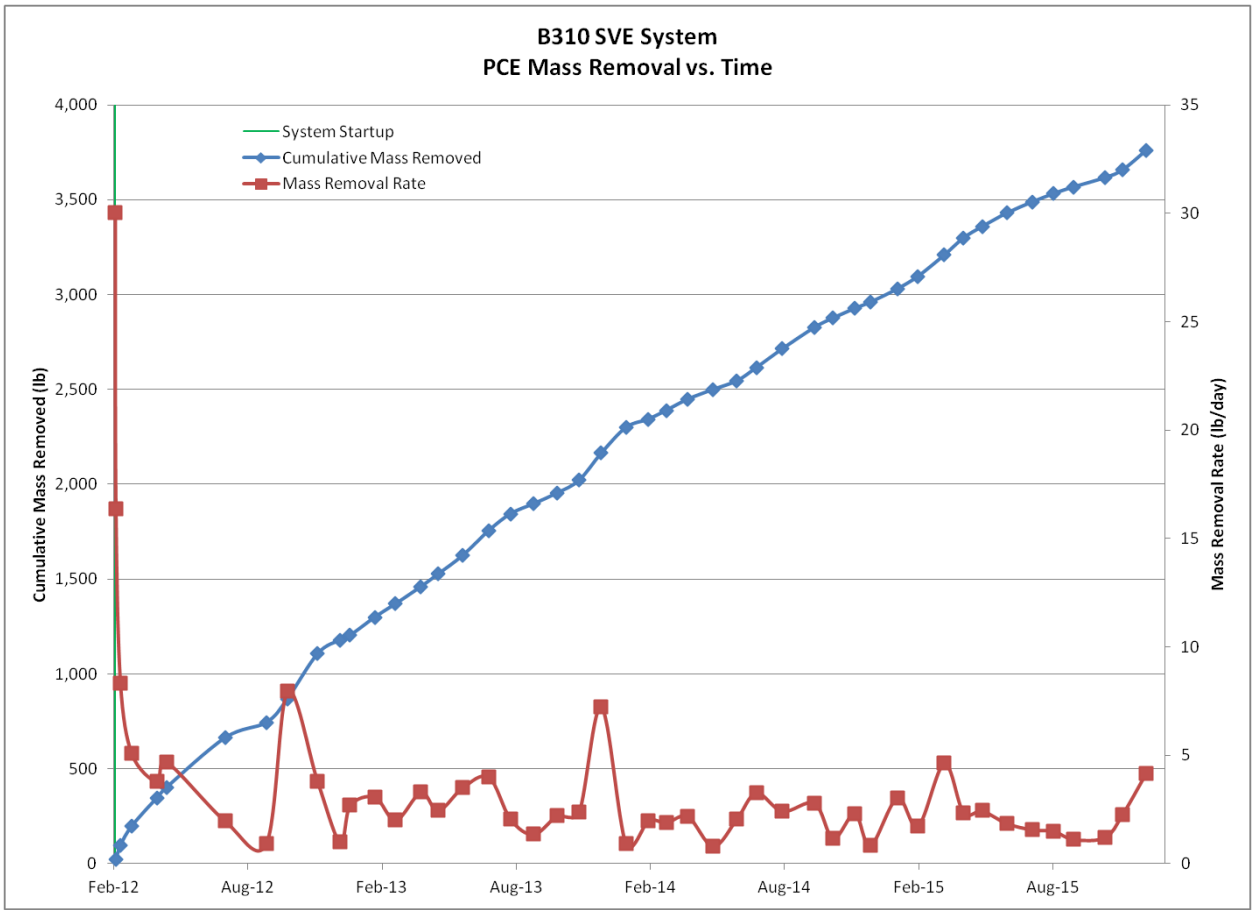


Exhibit 1 – Building 310 Subslab SVE PCE Mass Removal vs. Time

3.2 B308/B310 Linkway SSDS

In September and October 2015, an SSDS was constructed within the linkway connecting Building 308 and Building 310 (the linkway) as a supplemental VI mitigation measure. The

system was put into operation on October 7, 2015, as documented in a February 2016 report[7] submitted to NYSDEC.

The SSDS consists of three vapor extraction ports each connected to dedicated fans mounted to the exterior wall of the linkway. Soil vapor collected from each individual extraction port is discharged to the atmosphere through an exhaust stack extending above the linkway roofline.

Following start-up of the SSDS, subslab differential pressure readings were recorded in the linkway. As shown on Figure 10, the extent of vacuum influence under simultaneous operation of all three blower fans indicated sufficient depressurization of the subslab for the entire linkway in the east-west direction. It is expected that sufficient depressurization of the subslab across the width of the linkway (north-south direction) occurs based on the rapid differential pressure response observed in the east-west direction at distances greater than the width of the linkway.

To evaluate the influence of the SSDS operation on indoor air VOC levels, indoor air confirmatory sampling was conducted in November 2015 using 8-hour Summa® canisters. PCE was not detected in the post- startup Summa® samples at concentrations above the laboratory reporting limit. Results of the post-startup indoor air sampling are less than the pre-startup results, indicating that the system is intercepting subsurface VOCs in subslab soil vapor and preventing entry into the structure. Indoor air sampling locations and results are shown on Figure 11. Overall, the linkway SSDS met its design objectives of depressurizing the subslab and preventing VOC vapors from migrating into indoor air.

The system is equipped with an alarm that provides notification if the system shuts down. There were no instances of shut-down in 2015. Subslab differential pressure measurements will be collected on a yearly basis to assess the continued performance of the system.

3.3 B330D 80K Area Subslab Vapor Extraction

The B330D 80K area subslab SVE system was put into operation on October 6, 2010 as documented in a December 2011 report submitted to NYSDEC.[8]

The subslab SVE system is designed for continuous operation. To ensure its ongoing effectiveness, IBM and GF personnel conduct periodic monitoring of operations and performance. Operations monitoring includes periodic review of system components, the results of which are recorded on a system log sheet. Performance monitoring involves sampling of extracted and treated vapor to track VOC mass removal and the need for change-outs of the GAC treatment units. It also includes monitoring of vacuum field conditions (differential pressure) to ensure adequate subslab depressurization.

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[7] Sanborn, Head Engineering, PC, *Subslab Depressurization System Startup Report – Building 308/Building 310 Linkway, Former IBM East Fishkill Facility, Hopewell Junction, NY*, February 2016.

[8] Sanborn, Head Engineering, PC, *Performance Monitoring and Confirmatory Sampling Results – Building 330D VOC Source Assessment, Hopewell Junction, NY, IBM East Fishkill Facility,* December 2011.

Our review of the 2015 operations log sheets indicated that the system operated consistently without any significant shut downs. Although subslab vacuum monitoring was not conducted in 2015, it is our opinion based on the consistency of the operating data that the subslab SVE system met its performance objectives.

Treatment system process vapor samples were collected monthly and analyzed for PCE and TCE. Approximately 800 pounds of PCE were removed from the subsurface during 2015, bringing the total PCE mass removed since the October 2010 system startup to approximately 7,600 pounds. A plot of mass removal rate and cumulative mass removed is shown on Exhibit 2 below.

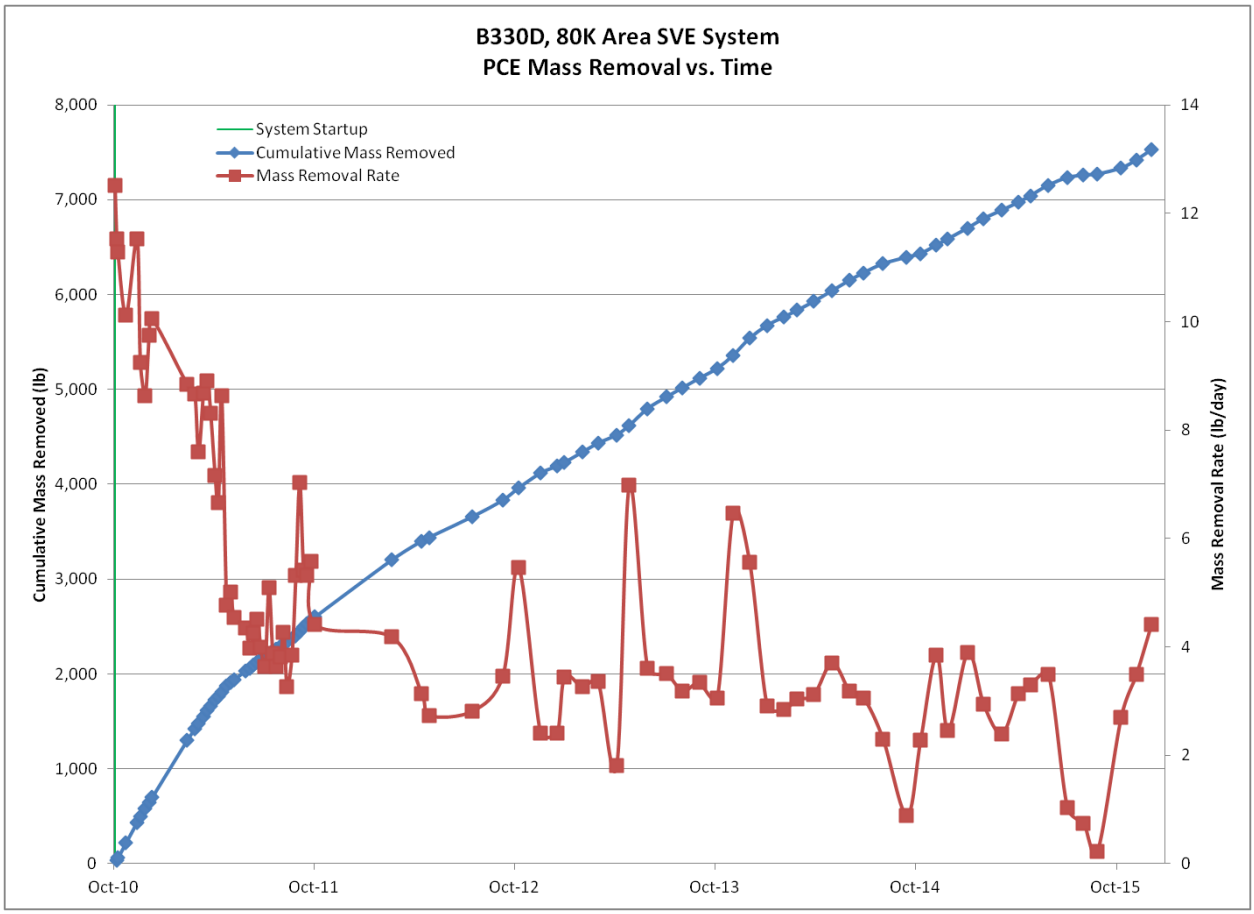


Exhibit 2 – Building 330D 80K Area Subslab SVE PCE Mass Removal vs. Time

3.4 Area A Pilot SVE System

A pilot SVE system was installed during the second quarter of 2015 to address the presence of VOCs, primarily PCE, in soil vapor located in Remediation Area A. The system was put into operation on May 13, 2015 and ran through November 2015, as documented in a February 2016 letter report[9] submitted to NYSDEC.

[9] Sanborn, Head Engineering, PC, *Installation and Performance Monitoring Report – Area A Pilot SVE System, Former IBM East Fishkill Facility, Hopewell Junction, NY*, February 19, 2016.

The pilot SVE system consists of six soil vapor extraction wells, and a vacuum blower and treatment system that are housed in a shipping container located along the east side of Building 310, within Area A. The extraction wells (SDV-1, 3, 5, 6, 7, 8) are screened in the lower portion of the soil fill at a depth of approximately 7.5 to 10 feet below ground surface (bgs). Only three wells (SDV-5, 6, and 7) were operated in 2015 because they best met the objectives of achieving the greatest mass removal compared to other wells while attaining a reasonable extent of vacuum influence.

Following startup, subsurface differential pressure readings were recorded throughout Area A. Figures 12 and 13 show the resulting extent of subsurface depressurization by the inferred vacuum isopleths at depths of 5ft and 10ft bgs, respectively. Also shown on Figures 12 and 13 are the applied vacuum, air flow rate, and total VOC concentration measured with a photoionization detector (PID) at each extraction well on the first day of operation.

To estimate the VOC mass removed by the system, process vapor samples were collected from the influent point of the GAC treatment train a total of eight times since startup. Monitoring for VOC breakthrough of the lead and lag GAC units was also conducted. Breakthrough of the first GAC vessel was observed in the October 2015 sampling event, immediately prior to the system being shutdown for the colder months. During shutdown activities, the GAC vessels were transported off-site for carbon reactivation or disposal.

The plot in Exhibit 3 below shows PCE mass removal rates and cumulative mass removal during the 2015 operating period. A total of approximately 226 pounds of PCE were removed from May through October 2015.

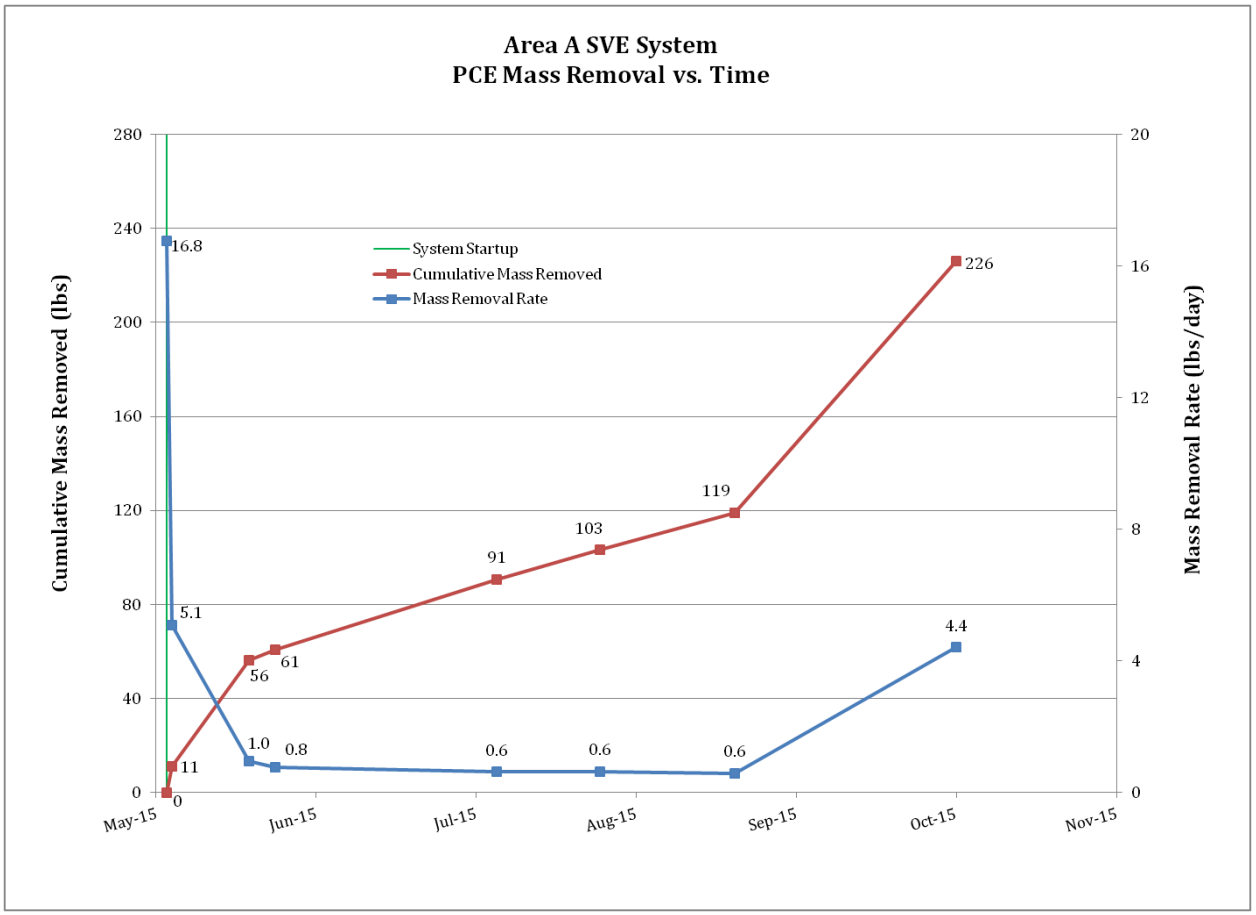


Exhibit 3 – Area A SVE PCE Mass Removal vs. Time

Overall, the pilot SVE system met its design objectives of reducing PCE source mass from the unsaturated subsurface. Because of the potential for excessive condensate generation and freezing in cold weather, the system was shutdown and "winterized" on November 18, 2015. Given the reasonably successful performance of the system in removing mass, the system was restarted in April 2016 and will continue operations likely through October 2016. Future operations will be re-evaluated at that time.

The system is equipped with an alarm that provides notification if the system shuts down. There were no significant shutdown periods in 2015. Routine shutdowns were associated with managing condensate accumulation in the knockout tank.

4.0 UPCOMING ACTIVITIES

For buildings that were the focus of the RFI Work Plan, IBM and GF will continue to work cooperatively to maintain the HVAC operating conditions in routinely occupied portions of the buildings. It is GF's responsibility to communicate planned changes to occupancy or HVAC conditions to IBM, so that IBM can assess whether additional IAQ testing is warranted at that time.

IBM is moving forward with the conceptual design of a subslab SVE system in B330C. In addition, IBM is moving forward with a subslab vapor investigation and subslab SVE pilot

testing in B330D. The results will be used to inform whether a full-scale subslab SVE system is feasible in that building.

TABLES

TABLE 1
RFI Work Plan Status
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York

Building	2015 Activities Completed	Regulatory Status
300	None	No further assessment - March 13, 2013 Agency letter
308	SSDS in linkway between Buildings 308 and 310 started up October 2015; Report submitted to Agencies in February 2016	Pending Agency comments on February 2016 linkway report
309	None	No further assessment - March 13, 2013 Agency letter
310	Continued operation of subslab SVE system; Pilot SVE system operated in Area A; Assessment of HVAC adjustments (carryover into 2016);	SVE system approved - October 10, 2013 Agency letter
316	None	No further assessment - March 13, 2013 Agency letter
320	None	Agency requests periodic indoor air monitoring - September 10, 2015
322	IAQ confirmatory testing conducted. Report submitted to Agencies in January 2016	Pending Agency comments on January 2016 report
323/323A	None	No further assessment - March 13, 2013 Agency letter
330C	Source investigation initiated. HVAC adjustments made and IAQ confirmatory testing conducted. Report submitted to Agencies in February 2016	Pending Agency comments on February 2016 report
330D	Continued operation of subslab SVE system in former 80K area; HVAC adjustments made and IAQ confirmatory testing conducted. Report submitted to Agencies in March 2016	Pending Agency comments on March 2016 report
334	None	No further assessment - March 13, 2013 Agency letter
338	HVAC adjustments made and IAQ screening conducted. Report submitted to Agencies in February 2016 (with 330C)	Pending Agency comments on February 2016 report
386	None	No further assessment - March 13, 2013 Agency letter

Abbreviations:
SSDS = Subslab depressurization system
SVE = Soil vapor extraction
HVAC = Heating, ventilation, and air conditioning
IAQ = Indoor air quality

TABLE 2
Current AHU Settings - B322
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York

Air Handling Unit (AHU) ID	Current Settings			
	Occupancy	Operating Schedule	Outside Air (OA) Damper Position	OA Flow Rate (cfm)
AC-4	Unoccupied	On	80% Open	3,693
AC-6	Unoccupied	On	10% Open	13,390
AC-8	Occupied	On	20% Open	7,746
AC-9	Unoccupied	On	90% Open	2,214

Notes:

1. Current OA damper positions and flow rates are based on measurements conducted by US Test in June 2015. Measurements were included in a spreadsheet titled "HVAC Management for VI Mitigation R7 - 7-16-15" provided to Sanborn, Head Engineering, PC (SHPC) by Global Foundries.

TABLE 3
Summary of 8-Hour Confirmatory Sampling Results - B322
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York

Compound	Sample Location	AA6001			IA6012			IA6012			IA6013		
	Field Sample Name	AA6001			FD6001			IA6012			IA6013		
	Collection Date	10/26/2015			10/26/2015			10/26/2015			10/26/2015		
	Units	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias
Acetone	µg/m^3	2.9			4.4			4.0			4.3		
Benzene	µg/m^3	0.5	U		0.5	U		0.5	U		0.49	U	
Carbon tetrachloride	µg/m^3	0.35			0.21			0.30			0.35		
Chlorobenzene	µg/m^3	0.73	U		0.73	U		0.71	U		0.71	U	
Dichlorobenzene (1,2-)	µg/m^3	0.95	U		0.95	U		0.93	U		0.92	U	
Dichlorobenzene (1,3-)	µg/m^3	0.95	U		0.95	U		0.93	U		0.92	U	
Dichlorobenzene (1,4-)	µg/m^3	0.95	U		0.95	U		0.93	U		0.92	U	
Dichlorodifluoromethane (CFC12)	µg/m^3	2.1			3.0			3.0			3.1		
Dichloroethene (1,1-)	µg/m^3	0.63	U		0.63	U		0.61	U		0.61	U	
Dichloroethene (cis-1,2-)	µg/m^3	0.63	U		0.63	U		0.61	U		0.61	U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro- (CFC113)	µg/m^3	1.2	U		1.2	U		1.2	U		1.2	U	
Ethylbenzene	µg/m^3	0.69	U		0.69	U		0.67	U		0.67	U	
Methylene Chloride	µg/m^3	1.1	U		1.1	U		1.1	U		1.1	U	
Tetrachloroethene (PCE)	µg/m^3	1.1	U		1.1	U		1	U		1	U	
Toluene	µg/m^3	0.6	U		0.69			0.68			0.64		
Trichlorobenzene (1,2,4-)	µg/m^3	5.9	U		5.9	U		5.8	U		5.7	U	
Trichloroethane (1,1,1-)	µg/m^3	0.86	U		0.86	U		0.84	U		0.84	U	
Trichloroethene (TCE)	µg/m^3	0.17	U		0.17	U		0.17	U		0.16	U	
Trichlorofluoromethane (CFC11)	µg/m^3	1.2			1.8			1.8			1.8		
Vinyl chloride	µg/m^3	0.04	U		0.04	U		0.04	U		0.039	U	
Xylene (o-)	µg/m^3	0.69	U		0.69	U		0.67	U		0.67	U	
Xylene (-m,p)	µg/m^3	0.69	U		0.69	U		0.67	U		0.67	U	

Notes:

1. Samples were collected by Sanborn, Head Engineering, PC (SHPC) on the dates indicated over an 8-hour sampling interval. The samples were analyzed by Eurofins Air Toxics, Inc. (EATI) of Folsom, California for the project-specific list of volatile organic compounds (VOCs) by United States Protection Agency (USEPA) Method TO-15 in the full scan and selective ion monitoring (SIM) modes.

2. Results are presented in micrograms per cubic meter (µg/m^3).

3. An in-depth data usability review (DUR) was performed on the data by New Environmental Horizons, Inc. (NEH) of Arlington, Massachusetts and Skillman, NJ. All results were considered acceptable, with the understanding of the potential uncertainty (bias) in the qualified results. In some cases, NEH assigned the following qualifiers and biases to the data. Refer to the DUR report for further details.
"U" indicates the analyte is non-detect at or above the indicated sample specific practical quantification limit (PQL).

4. The "AA" designation indicates that the sample consists of ambient air collected from outside the building.

5. FD6001 is a field duplicate sample of IA6012.

Table 4
Original and Adjusted AHU Settings (November 2015) - B330C
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, NY

AC Unit	Services	Original HVAC Settings Prior to Nov 2015 Adjustments (Notes 2 and 3)						Alternative HVAC Settings Based on Nov 2015 Testing (Note 4)						
		Operating Schedule	Outside Air (OA) Flow Rate	Return Air (RA) Flow Rate	Total Supply Air Flow Rate	OA Economizer	OA Damper Position	Current Occupancy	Operating Schedule	OA Flow Rate	RA Flow Rate	Total Supply Air Flow Rate	OA Economizer	OA Damper Position
AC-1	Offices/Corridors	M-F 6am-7pm	27,104	4,576	31,680	No	80% open	11	M-F 6am-7pm	28,340	6,078	34,418	No	80% open
AC-4	South Shop/labs	24/7	18,725	20,275	39,000	Yes	40% open (min)	2	24/7	4,409	34,102	38,511	Yes	10% open (min)
AC-5	Handled by AC-6	Off						0	Off					
AC-6	Corridors/laser lab/NEXX Tool Lab	24/7	16,250	0	16,250	No	50% open	Occ	24/7	16,250	0	16,250	No	50% open
AC-7(A)	NEXX Tool Lab	24/7	18,430	19,491	37,921	No	20% open	Occ	24/7	17,290	14,384	31,674	No	35% open
AB-7(B)	Unoccupied	NA (new zone) - split off from AC-7(A) during initial adjustments (Note 9)						0	Off					
AC-9	"Laser" Labs/corridors/offices	24/7	12,118	10,562	22,680	No	50% open	0	Off					
AC-10	Former truck dock	Off						0	Off					
AC-10(A)	Hydrogen tanks room	24/7	0	8,374	8,374	No	0% open	0	24/7	0	8,374	8,374	No	0% open
AC-11	Occupied Lab	24/7	1,793	42,335	44,128	No	Fed from AC-13	Occ	24/7	1,793	42,335	44,128	No	Fed from AC-13
AC-13	Emagin Clean Room	24/7	27,491	2,965	30,456	No	75% open	55	24/7	27,491	2,965	30,456	No	75% open
HVAC-15	Former tank room	24/7	0	8,900	8,900	No	0% open	0	24/7	0	8,900	8,900	No	0% open
AC-26	Unoccupied Labs/emagin	24/7	5,110	39,634	44,744	No	10% open	0	Off					
AC-40	Unoccupied Lab	Off						0	Off					
AC-41	Occupied Lab	24/7	1,152	12,720	13,872	No	10% open	1	24/7	1,152	12,720	13,872	No	10% open
AC-42/ RCU-111	Breakroom/lab	24/7	36,960	0	36,960	No	100% open	2	24/7	26,048	0	26,048	No	100% open
AC-50	Baseline	Off						0	Off					
AC-51	Unoccupied Lab	24/7	2,752	0	2,752	No	100% open	0	Off					
AC-54	Unoccupied labs/storage	Off						0	Off					
AC-55	Unoccupied labs/storage	Off						0	Off					
AC-56	Demo'd space	24/7	850	21,070	21,920	No	10% open	0	Off					
AC-57	Demo'd space	Off						0	Off					
AC-58	Reliability Lab	24/7	14,038	7,170	21,208	No	100% open	7	24/7	18,720	9,176	27,896	No	100% open
AC-90	Unoccupied Labs/emagin	24/7	16,285	4,739	21,024	Yes	20% open (min) 50% open (meas)	5	24/7	3,026	28,294	31,320	Yes	5% open (min)
AC-91	Unoccupied Labs/emagin	24/7	21,578	0	21,578	Yes	20% open (min) 100% open (meas)	5	24/7	3,560	14,746	18,306	Yes	20% open (min)
AC-93	Unoccupied labs/small emagin office	24/7	1,115	8,997	10,112	No	100% open	5	24/7	2,389	5,665	8,054	No	100% open
AC-99	Demo'd space	24/7	4,734	0	4,734	No	100% open	0	Off					
AC-100	Demo'd space	24/7	4,032	0	4,032	No	100% open	0	Off					
AC-101	Unoccupied Lab	Off						0	Off					
AC-102	Unoccupied Lab	24/7	11,560	15,550	27,110	No	25% open	0	Off					
AC-103	Unoccupied Lab	24/7	168	2,290	2,458	No	0% open	0	Off					
AC-104	Unoccupied Lab	Off						0	Off					

Notes
1. The information in this table was provided to IBM and Sanborn, Head Engineering, PC (SHPC) by Global Foundries (GF). Flow rates are based on reports prepared by GF's contractor, US Test.
2. With the exception of AC-11, original HVAC flow rates are based on an Excel file titled, "AC Shutdown - Master ListR1.xls" that GF sent to IBM and SHPC on Augsut 14, 2015.
3. Original HVAC flow rates for AC-11 were provided in a US Test report dated 9/25/15.
4. The flow rates and OA damper positions for the alternative HVAC settings are based on a US Test Report dated 11/18/2015.
5. Operating schedules, economizer information, and certain OA damper positions were provided verbally or via email to SHPC by GF.
6. Flow rates are provided in cubic feet per minute (cfm).
7. "Occ" = occupied; specific number of occupants not provided by GF.
8. Shaded rows indicate the HVAC zones that were adjusted.
9. AC-7 was split into two new zones (AC-7(A) and AC-7(B)) prior to November 2015 testing. AC-7(B) was blanked off so that no supply air feeds that area.
10. The original OA damper position for AC-7A was provided in a US Test report dated 7/16/2015.
11. A portion of AC-9 (laser lab) was reconfigured to become part of AC-6 prior to November 2015 testing.

Table 5
Summary of 8-Hour Confirmatory Sampling Results (November 2015) - B330C
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Hopewell Junction, NY

	Field Sample Name	AA-1			Field Blank			IA0400			IA0401			IA0402			IA0404			IA0405			IA0417		
	Collection Date	11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015		
	Units	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias
Acetone	µg/m^3	4.4	EB	H	2.6			8.5	EB H		170	J	I	11	EB	H	7.9	EB	H	8.6	EB	H	6.2	EB	H
Benzene	µg/m^3	0.52			0.6	U		0.55			0.53			0.51	U		0.49	U		0.5	U		0.54	U	
Carbon tetrachloride	µg/m^3	0.37			0.24	U		0.39			0.38			0.43			0.42			0.37			0.4		
Chlorobenzene (Monochlorobenzene)	µg/m^3	0.69	U		0.86	U		0.73	U		0.73	U		0.74	U		0.71	U		0.73	U		0.77	U	
Dichlorobenzene (1,2-)	µg/m^3	0.9	U		1.1	U		0.96	U		0.95	U		0.97	U		0.92	U		0.95	U		1	U	
Dichlorobenzene (1,3-)	µg/m^3	0.9	U		1.1	U		0.96	U		0.95	U		0.97	U		0.92	U		0.95	U		1	U	
Dichlorobenzene (1,4-)	µg/m^3	0.9	U		1.1	U		0.96	U		0.95	U		0.97	U		0.92	U		0.95	U		1	U	
Dichlorodifluoromethane (CFC12)	µg/m^3	3.7	U		4.6	U		3.9	U		3.9	U		4	U		3.8	U		3.9	U		4.2	U	
Dichloroethene (1,1-)	µg/m^3	0.59	U		0.74	U		0.63	U		0.63	U		0.64	U		0.61	U		0.63	U		0.67	U	
Dichloroethene (cis-1,2-)	µg/m^3	0.59	U		0.74	U		0.63	U		0.63	U		0.64	U		0.61	U		0.63	U		0.67	U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro- (CFC113)	µg/m^3	1.1	U		1.4	U		1.2	U		1.2	U		1.2	U		1.2			1.2	U		1.3	U	
Ethylbenzene	µg/m^3	0.65	U		0.82	U		0.69	U		0.69	U		0.7	U		0.67	U		0.69	U		0.73	U	
Methylene Chloride (Dichloromethane)	µg/m^3	5.6			1.3	U		1.8			1.1	U		1.1	U		1.1	U		1.1	U		1.2	U	
Tetrachloroethene (PCE)	µg/m^3	1	U		1.3	U		5.6			1.9			1.1	U		6.7			1.1			3.3		
Toluene	µg/m^3	0.66			0.71	U		0.92			0.72			0.61	U		1.6			0.6	U		0.63	U	
Trichlorobenzene (1,2,4-)	µg/m^3	5.6	UJ	I	7	UJ	I	5.9	UJ	I	5.9	UJ	I	6	UJ	I	5.7	UJ	I	5.9	UJ	I	6.2	UJ	I
Trichloroethane (1,1,1-)	µg/m^3	0.82	U		1	U		0.87	U		0.86	U		0.88	U		0.84	U		0.86	U		0.92	U	
Trichloroethene (TCE)	µg/m^3	0.16	U		0.2	U		0.17	U		0.17	U		0.17	U		0.19			0.17	U		0.18	U	
Trichlorofluoromethane	µg/m^3	1.3			1	U		1.8			2			3.2			1.8			2			2.7		
Vinyl chloride	µg/m^3	0.038	U		0.048	U		0.041	U		0.04	U		0.041	U		0.039	U		0.04	U		0.043	U	
Xylene (o-)	µg/m^3	0.65	U		0.82	U		0.69	U		0.69	U		0.7	U		0.67	U		0.69	U		0.73	U	
Xylene-m,p (Sum of Isomers)	µg/m^3	0.65	U		0.82	U		0.69	U		0.69	U		0.7	U		0.67	U		0.69	U		0.73	U	

Notes:

1. Samples were collected by Sanborn, Head Engineering, PC (SHPC) on the dates indicated over an 8-hour sampling interval. The samples were analyzed by Eurofins Air Toxics, Inc. (EATI) of Folsom, California for the project-specific list of volatile organic compounds (VOCs) by United States Protection Agency (USEPA) Method TO-15 in the full scan and selective ion monitoring (SIM) modes.

2. Results are presented in micrograms per cubic meter (µg/m^3).

3. An In-Depth data usability review (DUR) was performed on the data by New Environmental Horizons, Inc. (NEH) . All results were considered acceptable, with the understanding of the potential uncertainty (bias) in the qualified results. In some cases, NEH assigned the following qualifiers and biases to the data. Refer to the DUR report for further details.
"U" indicates the analyte is non-detect at or above the indicated sample specific practical quantification limit (PQL).
"J" indicates the result is an estimated value.
"UJ" indicates the non-detect is estimated at the indicated PQL.
"EB" indicates analyte was also present in the associated field blank.
"H" indicates a high bias.
"I" indicates an indeterminate bias.

4. The "AA" designation indicates that the sample consists of ambient air collected from outside the building. The ambient air and field blank samples were collected from beneath the outside air intake to air handling unit AC-58, which serves the reliability lab.

5. Results were rounded to two significant figures.

Table 5
Summary of 8-Hour Confirmatory Sampling Results (November 2015) - B330C
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	Field Sample Name	IA0436			IA0455			IA0455 Dup			IA0458			IA0467			IA0468			IA0469			IA0470			IA0472		
	Collection Date	11/18/2015			11/19/2015			11/19/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015			11/18/2015		
	Units	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias
Acetone	µg/m^3	7.8	EB	H	5.3	EB	H	16	J	I	37			9.2	EB	H	29			9.7	EB	H	12			14		
Benzene	µg/m^3	0.6			0.5	U		0.51	U		0.68			0.5	U		0.52			0.58			0.55			0.5	U	
Carbon tetrachloride	µg/m^3	0.4			0.38			0.43			0.43			0.43			0.42			0.39			0.43			0.43		
Chlorobenzene (Monochlorobenzene)	µg/m^3	0.74	U		0.73	U		0.74	U		0.73	U		0.72	U		0.72	U		0.77	U		0.71	U		0.72	U	
Dichlorobenzene (1,2-)	µg/m^3	0.97	U		0.95	U		0.97	U		0.95	U		0.94	U		0.94	U		1	U		0.93	U		0.94	U	
Dichlorobenzene (1,3-)	µg/m^3	0.97	U		0.95	U		0.97	U		0.95	U		0.94	U		0.94	U		1	U		0.93	U		0.94	U	
Dichlorobenzene (1,4-)	µg/m^3	0.97	U		0.95	U		0.97	U		0.95	U		0.94	U		0.94	U		1	U		0.93	U		0.94	U	
Dichlorodifluoromethane (CFC12)	µg/m^3	4	U		3.9	U		4	U		3.9	U		3.9	U		3.8	U		4.1	U		3.8	U		3.9	U	
Dichloroethene (1,1-)	µg/m^3	0.64	U		0.63	U		0.64	U		0.63	U		0.62	U		0.62	U		0.66	U		0.61	U		0.62	U	
Dichloroethene (cis-1,2-)	µg/m^3	0.64	U		0.63	U		0.64	U		0.63	U		0.62	U		0.62	U		0.66	U		0.61	U		0.62	U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro- (CFC113)	µg/m^3	1.8			1.2	U		1.2	U		1.2	U		1.2	U		1.2	U		1.4			1.2	U		1.2	U	
Ethylbenzene	µg/m^3	0.7	U		0.69	U		0.7	U		0.69	U		0.68	U		0.68	U		0.72	U		0.67	U		0.68	U	
Methylene Chloride (Dichloromethane)	µg/m^3	1.1	U		1.1	U		1.1	U		6.7			1.1	U		1.1	U		2.4			1.1	U		1.1	U	
Tetrachloroethene (PCE)	µg/m^3	15			3.6			3			3.8			1.1	U		2.3			14			3.6			1.1	U	
Toluene	µg/m^3	0.71			0.6	U		0.61	U		0.7			1.4			0.59	U		0.67			0.63			0.59	U	
Trichlorobenzene (1,2,4-)	µg/m^3	6	UJ	I	5.9	UJ	I	6	UJ	I	5.9	UJ	I	5.8	UJ	I	5.8	UJ	I	6.2	UJ	I	5.8	UJ	I	5.8	UJ	I
Trichloroethane (1,1,1-)	µg/m^3	0.88	U		0.86	U		0.88	U		0.86	U		0.86	U		0.85	U		0.91	U		0.84	U		0.86	U	
Trichloroethene (TCE)	µg/m^3	0.21			0.17	U		0.17	U		0.32			0.17	U		0.17	U		0.28			0.18			0.17	U	
Trichlorofluoromethane	µg/m^3	2.2			4.2			4			2.2			1.7			3.9			3.2			3.1			2.3		
Vinyl chloride	µg/m^3	0.041	U		0.04	U		0.041	U		0.04	U		0.04	U		0.04	U		0.043	U		0.04	U		0.04	U	
Xylene (o-)	µg/m^3	0.7	U		0.69	U		0.7	U		0.69	U		0.68	U		0.68	U		0.72	U		0.67	U		0.68	U	
Xylene-m,p (Sum of Isomers)	µg/m^3	0.7	U		0.69	U		0.7	U		0.69	U		0.68	U		0.68	U		0.72	U		0.67	U		0.68	U	

Table 6
Original and Adjusted AHU Settings - B330D First Floor
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York

AC Unit	Area Use	Original HVAC Settings Prior to Nov/Dec 2015 Adjustments (Note 2)							Adjusted HVAC Settings Based on Nov/Dec 2015 Testing (Notes 3 and 4)						
		Current Occupancy (Note 7)	Operating Schedule (Note 9)	Outside Air (OA) Flow Rate	Return Air (RA) Flow Rate	Total Supply Air Flow Rate	OA Economizer (Note 9)	OA Damper Position (Note 9)	Future Occupancy (Note 7)	Operating Schedule (Note 9)	OA Flow Rate (Note 8)	RA Flow Rate	Total Supply Air Flow Rate	OA Economizer (Note 9)	OA Damper Position (Note 9)
AC-5B2,6B1	Labs/Unoccupied Lab	Occ	24/7	27,744	0	27,744	No	100% open	Occ	24/7	26,370	0	26,370	No	100% open
AC-6A2	Offices	30	24/7	360	7,040	7,400	No	0% open	30	24/7	360	7,040	7,400	No	0% open
AC-8-2	Labs and Offices	27	24/7	14,975	18,905	33,880	Yes	85% open (min)	27	24/7	14,975	18,905	33,880	Yes	85% open (min)
AC-12	Offices/Unoccupied Labs	Occ	24/7	11,440	7,497	18,937	No	45% open	0	Off					
AC-13	Offices/Unoccupied Labs	32	24/7	12,664	15,224	27,888	No	40% open	32	24/7	11,871	15,595	27,466	No	75% open
AC-15	Labs and Offices	11	24/7	10,368	15,328	25,696	Yes	30% open (min)	11	24/7	10,368	15,328	25,696	Yes	30% open (min)
AC-25	Executive Offices/Lobbies	Occ	6am-630pm 7days	34,397	3,823	38,220	Yes	30% open (min)	Occ	6am-630pm 7days	34,397	3,823	38,220	Yes	30% open (min)
AC-60	Cleaning Personnel/ Unoccupied Area	0	6 AM - 6 PM On	35,470	3,002	38,472	No	50% open	0	Off					
AC-61 (Note 5)	Off	0	Off						0	Off					
AC-71	Tool Shop	Occ	5 AM - 5 PM On	7,683	3,806	11,489	Yes	20% open (min)	0	5 AM - 5 PM On	8,211	3,125	11,336	Yes	20% open (min)
AC-72,82	Unoccupied Lab/Refeed Corridor	Occ	24/7	8,803	0	8,803	No	NA	0	Off					
AC-79	Unoccupied Lab	0	24/7	7,080	0	7,080	No	100% open	0	24/7	7,585	0	7,585	No	100% open
AC-83	Lab and Unoccupied Lab	2	6AM - 4:30 PM On	17,859	3,741	21,600	No	28% open	2	6AM - 4:30 PM On	18,165	7,435	25,600	No	40% open

Notes
1. The information in this table was provided to IBM and Sanborn, Head Engineering, PC (SHPC) by Global Foundries (GF). Flow rates are based on reports prepared by GF's contractor, US Test.
2. Original HVAC flow rates are based on an Excel file titled, "AC Shutdown - Master ListR1.xls" that GF sent to IBM and SHPC on August 14, 2015.
3. With the exception of AC-83, the flow rates and OA damper positions for the adjusted HVAC settings are based on a US Test Report dated 11/18/2015.
4. The flow rates and OA damper position for the AC-83 adjusted HVAC settings are based on an email from GF dated 11/20/2015.
5. The area formerly served by AC-61 was being supplied by AC-60 under the original conditions.
6. Flow rates are provided in cubic feet per minute (cfm).
7. "Occ" = occupied; specific number of occupants not provided by GF.
8. Shaded rows indicate the HVAC zones that were adjusted prior to testing. Zones that were marginally adjusted to within 10% of their original settings are not shaded.
9. Operating schedule and economizer information/minimum OA damper positions were updated based on a call with GF on 12/7/2015 and an email from GF dated 12/15/2015.

Table 7
Summary of 8-Hour Confirmatory Sampling Results - B330D First Floor
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, NY

	Field Sample Name	AA (Note 3)			Nitrogen Blank (Note 3)			IA AY-43			IA BB-39			IA BG-38			IA BG-45			IA BH-40			IA4014			IA4016			IA4017		
	Collection Date	12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015			12/17/2015		
	Units	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias	Result	Qualifier	Bias
Acetone	µg/m^3	30			27			13			7.2			7.5			18			9.2			9.6			17			39		
Benzene	µg/m^3	0.58			0.52	U		0.53	U		0.52	U		0.54	U		0.59			0.55	U		0.51	U		0.53	U		0.67		
Carbon tetrachloride	µg/m^3	0.53			0.52			0.46			0.46			0.46			0.48			0.37			0.49			0.48			0.48		
Chlorobenzene (Monochlorobenzene)	µg/m^3	0.84	U		0.74	U		0.76	U		0.74	U		0.78	U		0.74	U		0.79	U		0.74	U		0.76	U		0.72	U	
Dichlorobenzene (1,2-)	µg/m^3	1.1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.94	U	
Dichlorobenzene (1,3-)	µg/m^3	1.1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.94	U	
Dichlorobenzene (1,4-)	µg/m^3	1.1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.97	U		1	U		0.94	U	
Dichlorodifluoromethane (CFC12)	µg/m^3	2.9			2.7			2.4			2.4			2.3			2.5			2.4			2.4			2.4			2.4		
Dichloroethene (1,1-)	µg/m^3	0.72	U		0.64	U		0.66	U		0.64	U		0.67	U		0.64	U		0.68	U		0.64	U		0.66	U		0.62	U	
Dichloroethene (cis-1,2-)	µg/m^3	0.72	U		0.64	U		0.66	U		0.64	U		0.67	U		0.64	U		0.68	U		0.64	U		0.66	U		0.62	U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro- (CFC113)	µg/m^3	1.4	U		1.2	U		1.3	U		1.2	U		1.3	U		1.2	U		1.3	U		1.2	U		1.3	U		1.2	U	
Ethylbenzene	µg/m^3	0.79	U		0.7	U		0.72	U		0.7	U		0.73	U		0.7	U		0.74	U		0.7	U		0.72	U		0.68	U	
Methylene Chloride (Dichloromethane)	µg/m^3	1.3			1.1			1.2	U		1.5			1.2	U		1.1	U		5.4			1.1	U		1.2	U		2.2		
Tetrachloroethene (PCE)	µg/m^3	1.2	U		1.1	U		19			7.9			11			4.2			3.5			4.4			13			13		
Toluene	µg/m^3	0.67	J	I	0.64			0.62	J	I	0.61	U		0.64	U		3.3			0.64	U		0.61	U		0.62	U		5.6		
Trichlorobenzene (1,2,4-)	µg/m^3	6.8	U		6	U		6.2	U		6	U		6.3	U		6	U		6.3	U		6	U		6.2	U		5.8	U	
Trichloroethane (1,1,1-)	µg/m^3	0.99	U		0.88	U		0.9	U		0.88	U		0.92	U		0.88	U		0.93	U		0.88	U		0.9	U		0.86	U	
Trichloroethene (TCE)	µg/m^3	0.2	U		0.17	U		0.22			0.17	U		0.3			0.17	U		0.33			0.17	U		0.18			0.19		
Trichlorofluoromethane	µg/m^3	1.4			1.5			2.2			1.3			1.5			1.7			1.5			2.4			2.7			2.3		
Vinyl chloride	µg/m^3	0.046	U		0.041	U		0.042	U		0.041	U		0.043	U		0.041	U		0.044	U		0.041	U		0.042	U		0.04	U	
Xylene (o-)	µg/m^3	0.79	U		0.7	U		0.72	U		0.7	U		0.73	U		0.7	U		0.74	U		0.7	U		0.72	U		0.66	J	I
Xylene-m,p (Sum of Isomers)	µg/m^3	0.79	U		0.7	U		0.72	U		0.7	U		0.73	U		0.89			0.74	U		0.7	U		0.72	U		2.1		

Notes:

1. Samples were collected on the dates indicated over an 8-hour sampling interval. The samples were analyzed by Eurofins Air Toxics, Inc. (EATI) of Folsom, California for the project-specific list of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15 in the full scan and selective ion monitoring (SIM) modes.

2. An In-Depth data usability review (DUR) was performed on the data by New Environmental Horizons, Inc. (NEH) . All results were considered acceptable, with the understanding of the potential uncertainty (bias) in the qualified results. In some cases, NEH assigned the following qualifiers and biases to the data. Refer to the DUR report for further details.
"U" indicates the analyte is non-detect at or above the indicated sample specific practical quantification limit (PQL).
"J" indicates the result is an estimated value.
"UJ" indicates the non-detect is estimated at the indicated PQL.
"I" indicates an indeterminate bias.

3. The "AA" designation indicates that the sample consists of ambient air collected from outside the building. The ambient air and nitrogen blank samples were collected from beneath the outside air intake to air handling unit AC-83. Based on the nitrogen blank results, we believe that a leak was present in the connections between the nitrogen canister and the Summa® canister into which the nitrogen was being transferred. The data from the nitrogen blank were not used in the data usability assessment due to the uncertainty of the results.

4. Results were rounded to two significant figures.

Table 7
Summary of 8-Hour Confirmatory Sampling Results - B330D First Floor
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, NY

	Field Sample Name	IA4019			IA4019 Duplicate		
	Collection Date	12/17/2015			12/17/2015		
	Units	Result	Qualifier	Bias	Result	Qualifier	Bias
Acetone	µg/m^3	6.2			6.1		
Benzene	µg/m^3	0.52	U		0.51	U	
Carbon tetrachloride	µg/m^3	0.48			0.45		
Chlorobenzene (Monochlorobenzene)	µg/m^3	0.74	U		0.74	U	
Dichlorobenzene (1,2-)	µg/m^3	0.97	U		0.96	U	
Dichlorobenzene (1,3-)	µg/m^3	0.97	U		0.96	U	
Dichlorobenzene (1,4-)	µg/m^3	0.97	U		0.96	U	
Dichlorodifluoromethane (CFC12)	µg/m^3	2.8			2.4		
Dichloroethene (1,1-)	µg/m^3	0.64	U		0.63	U	
Dichloroethene (cis-1,2-)	µg/m^3	0.64	U		0.63	U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro- (CFC113)	µg/m^3	1.2	U		1.2	U	
Ethylbenzene	µg/m^3	0.7	U		0.69	U	
Methylene Chloride (Dichloromethane)	µg/m^3	1.1	U		1.1	U	
Tetrachloroethene (PCE)	µg/m^3	11			9.9		
Toluene	µg/m^3	0.61	U		0.6	U	
Trichlorobenzene (1,2,4-)	µg/m^3	6	U		5.9	U	
Trichloroethane (1,1,1-)	µg/m^3	0.88	U		0.87	U	
Trichloroethene (TCE)	µg/m^3	0.17	UJ	I	1.3		
Trichlorofluoromethane	µg/m^3	1.4			1.4		
Vinyl chloride	µg/m^3	0.041	U		0.041	U	
Xylene (o-)	µg/m^3	0.7	U		0.69	U	
Xylene-m,p (Sum of Isomers)	µg/m^3	0.7	U		0.69	U	

Table 8
Original and Adjusted AHU Settings - B338
Vapor Intrusion Assessment Annual Report
Former IBM East Fishkill Facility
Hopewell Junction, New York

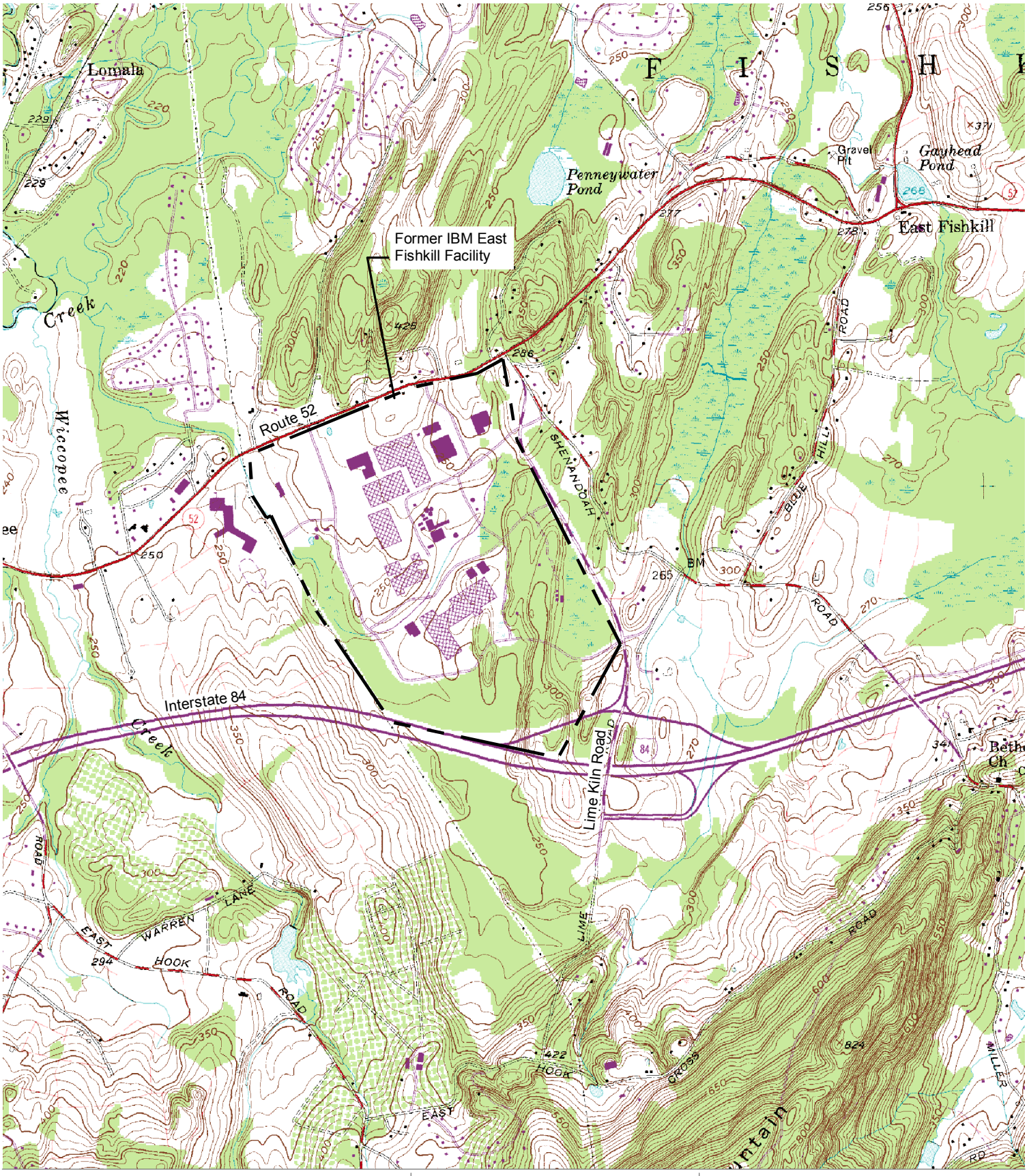
Air Handling Unit (AHU) ID	Original (Baseline) Settings (Note 1)				Adjusted Settings (Note 2)			
	Occupancy	Operating Schedule	Outside Air (OA) Damper Position	OA Flow Rate (cfm)	Occupancy	Operating Schedule	OA Damper Position	OA Flow Rate (cfm)
AC-1	Unoccupied	24/7	50% open	4,092	Unoccupied	Off	Off	Off
AC-2	Unoccupied	24/7	20% open	3,689	Unoccupied	Off	Off	Off
AC-3A	Unoccupied	24/7	10% open	3,755	Unoccupied	24/7	10% open	3,755
AC-3B	Unoccupied	Off	Off	Off	Unoccupied	Off	Off	Off
AC-3C	Unoccupied	Off	Off	Off	Unoccupied	Off	Off	Off
AC-4A	Unoccupied	Off	Off	Off	Unoccupied	Off	Off	Off
AC-4B	Unoccupied	Off	Off	Off	Unoccupied	Off	Off	Off
AC-4C	Unoccupied	24/7	10% open	4,212	Unoccupied	24/7	10% open	4,212
AC-4D	Unoccupied	24/7	10% open	5,219	Unoccupied	Off	Off	Off
AC-4E	Unoccupied	Off	Off	Off	Unoccupied	Off	Off	Off

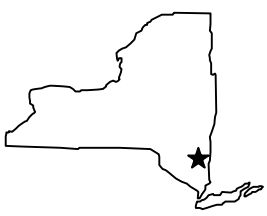
Notes:
1. Original OA damper positions and flow rates are based on measurements conducted by US Test in April and June 2015. With the exception of AC-2, measurements were included in a US Test Report dated 4/9/2015 and provided to Sanborn, Head Engineering, PC (SHPC) via email on 4/25/2015. The measurementsfor AC-2 were included in a spreadsheet dated 7/17/2015 that was provided to SHPC via email on 7/28/2015.
2. Adjusted OA damper positions and flow rates are based on information provided to IBM by Global Foundries.
3. The AC-3A through 3D, and AC-4A through AC-4D designations represent multiple air handling units serving the same area.
4. Shaded rows indicate HVAC zones that were adjusted.
5. cfm = cubic feet per minute

FIGURES

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Notes:
Base map taken from 7.5 minute USGS Quadrangle Maps: Hopewell Junction, New York, Dated 1957, Photorevised in 1981.

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016



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Figure 1

Site Location Plan

Former IBM East Fishkill Facility
Hopewell Junction, New York

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Figure 2

Building Location Plan

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016

Figure Narrative

This figure shows the buildings at the former IBM East Fishkill facility.

Legend

— - - - — Property Line

Unlabeled features include wastewater treatment tanks, pump houses, trailers, and other structures and features not intended for human occupancy

B320B Indicates building number

N
W E
S

200' 100' 0 200' 400' Feet

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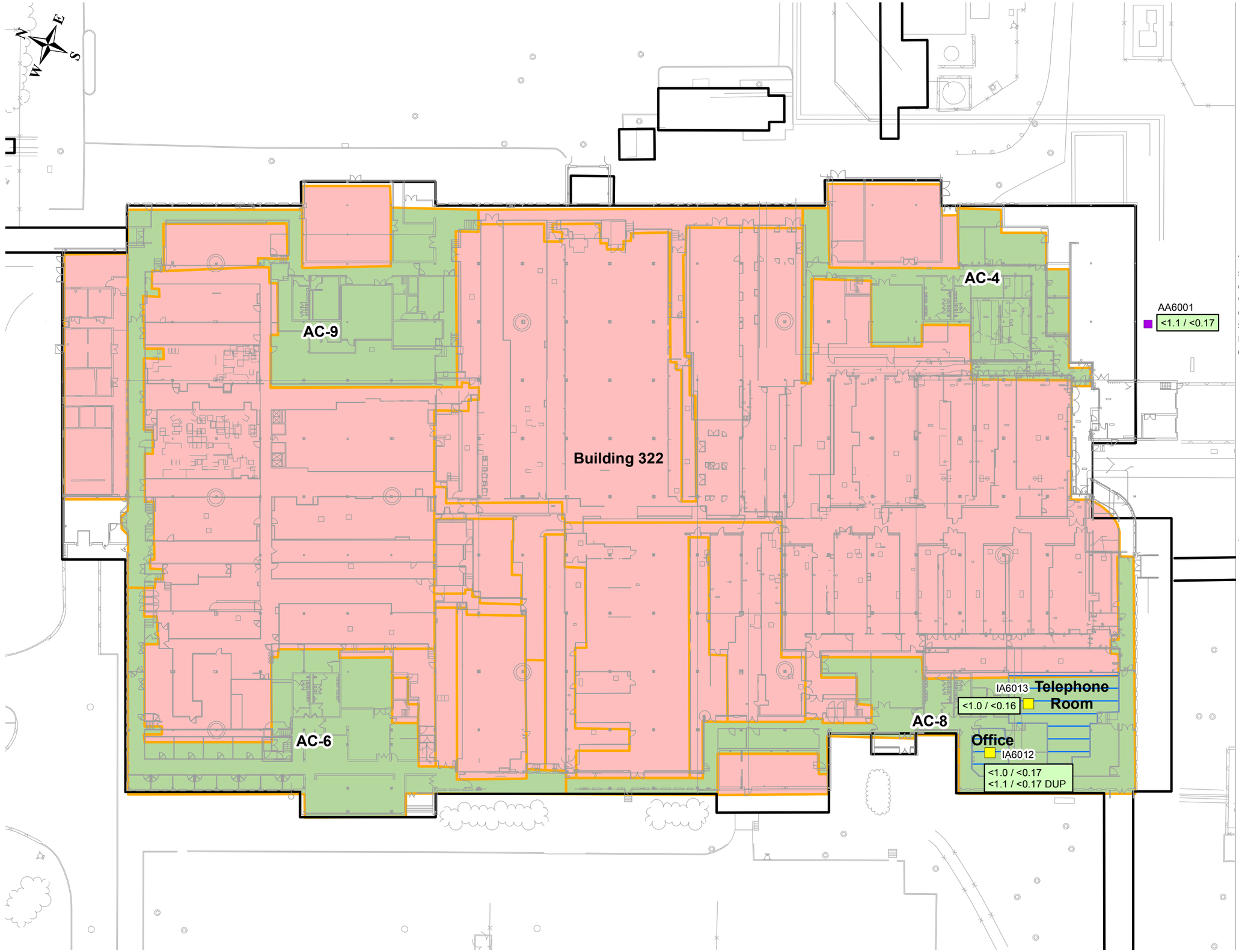


Figure 3

Summary of 8-Hour Confirmatory Sampling Results (PCE and TCE)

Building 322

Formber IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	E. Wright
Designed By:	J. Sanborn
Reviewed By:	B. Green
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows the results of indoor air sampling of occupied portions of B322 conducted by Sanborn Head personnel on October 26, 2015. The samples were collected as 8-hour time-weighted-average samples using 6-L Summa canisters. The results for PCE and TCE are shown in units of micrograms per cubic meter (µg/m3).

Legend

- IA6012 — Indoor air location
- AA6001 — Ambient air location
- <1.0 / <0.17 — PCE and TCE 8-hour sampling results (µg/m^3)
- HVAC off
- HVAC on
- Routinely occupied area

25 12.5 0 25 50
Feet

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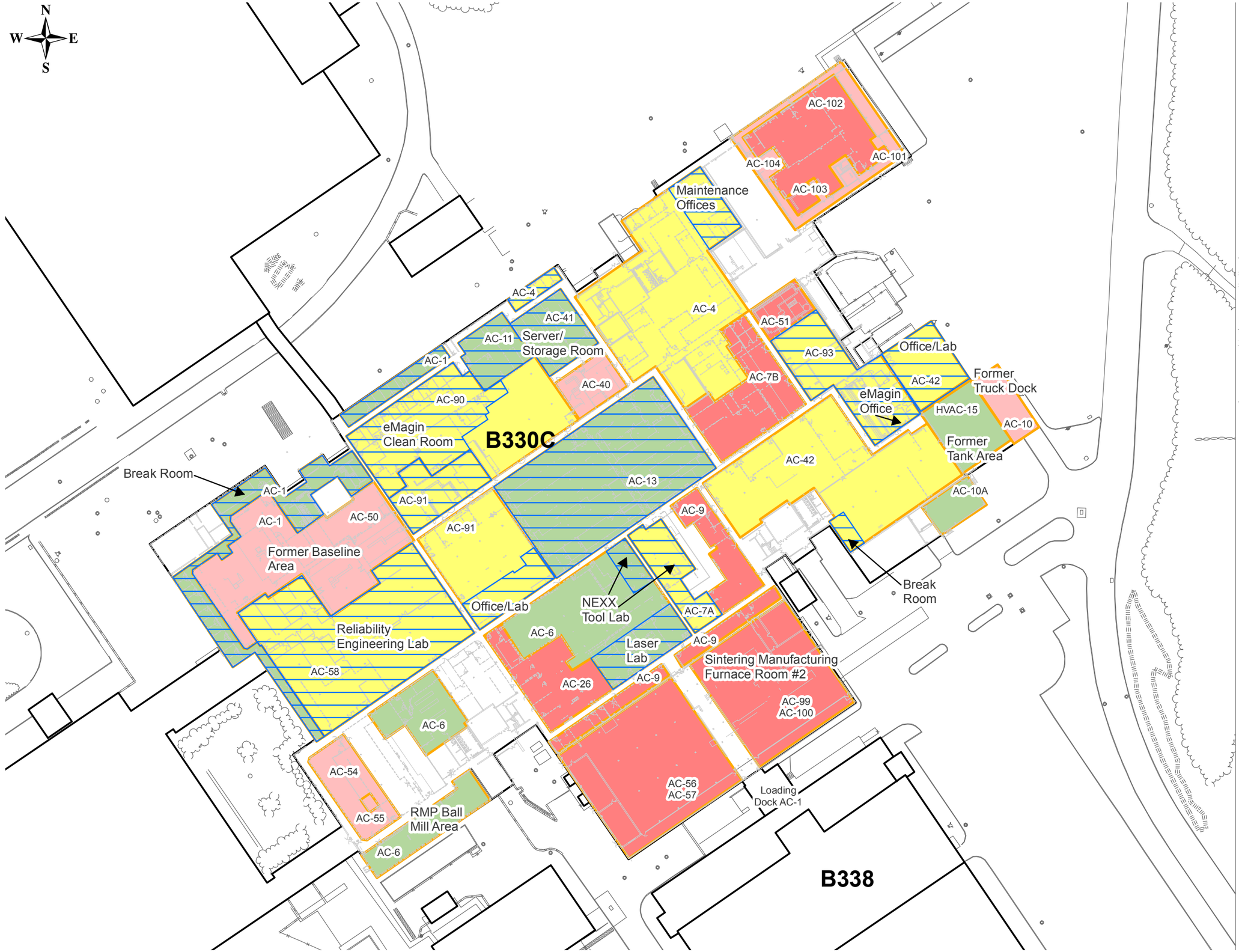


Figure 4

B330C HVAC Status (November 2015)

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows the HVAC zones and operating status in November 2015 at the time of indoor air sampling reported in the text. Additional information is provided in the legend.

In the legend, the term "original settings" refers to the HVAC settings in-place prior to the November 2015 HVAC adjustment and indoor air testing.

Legend

- AC-10 — HVAC Zone and Associated Air Handling Unit ID
- HVAC off prior to November 2015 testing. No changes from original settings.
- HVAC off as requested by GF.
- HVAC on. Outside air flow rate changed from original settings.
- HVAC on. No changes from original settings.
- Occupied area

Unshaded areas represent routinely unocccupied areas without direct HVAC service

40 20 0 40 80 Feet

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N
W E
S

B330C Roof

AC-58 Outside Air Intake

AA-1
NS
<1.0 / <0.16

B330C

IA0400
11 / 0.20
5.6 / <0.17

IA0401
2.2 / <0.18
1.9 / <0.17

IA0402
1.5 / <0.18
<1.1 / <0.17

IA0404
16 / 0.20
6.7 / 0.19

IA0405
2.5 / 0.74
1.1 / <0.17

IA0417
5.9 / <0.18
3.3 / <0.18

IA0436
24 / 0.20
15 / 0.21

IA0455
NS
3.6 / <0.17

IA0455 (DUP)
NS
3.0 / <0.17

IA0458
NS
3.8 / 0.32

IA0467
NS
<1.1 / <0.17

IA0468
NS
2.3 / <0.17

IA0469
NS
14 / 0.28

IA0470
NS
3.6 / 0.18

IA0472
NS
<1.1 / <0.17

AC-1, AC-4, AC-6, AC-9, AC-10, AC-10A, AC-11, AC-13, AC-26, AC-40, AC-41, AC-42, AC-50, AC-51, AC-54, AC-55, AC-56, AC-57, AC-58, AC-90, AC-91, AC-93, AC-99, AC-100, AC-101, AC-102, AC-103, AC-104, AC-7A, AC-7B, HVAC-15

Loading Dock AC-1

B338

Figure 5

Summary of 8-Hour Confirmatory Sampling Results for PCE and TCE (November 2015)

Building 330C

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows tetrachloroethene (PCE) and trichloroethene (TCE) results for indoor air sampling of occupied portions of B330C on November 18 and 19, 2015. The results of the last historical sampling event are also shown for comparison at each location where a November 2015 sample was collected. "NS" indicates that the location has not been sampled previously. The samples were collected as 8-hour time-weighted-average samples using 6-L SUMMA canisters. Results are shown in micrograms per cubic meter (µg/m^3).

Legend

- Indoor Air Location
- Ambient Air Location
- HVAC Zone
- HVAC Zones Off During Testing
- IA0405 / 2.5 / 0.74 / 1.1 / <0.17 — Control Point Name; PCE/TCE (Historical Confirmatory Sample Date Varies); PCE/TCE (Nov 18/19, 2015 Confirmatory Sample)
- NS — Not Screened
- Occupied area

40 20 0 40 80 Feet

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Figure 6

B330D First Floor HVAC Status (December 2015)

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows the HVAC zones and operating status in December 2015 at the time of indoor air sampling reported in the text. Additional information is provided in the legend.



Legend

AC-13 — HVAC Zone and Associated Air Handling Unit ID

HVAC off as requested by owner (Global Foundries)

HVAC on. No changes from original settings. The term "original settings" refers to the HVAC settings in-place prior to the December 2015 HVAC adjustment and indoor air testing.

Areas that will be routinely occupied when Global Foundries makes their requested HVAC changes

Unshaded areas represent routinely unocccupied areas without direct HVAC service

37.5 18.75 0 37.5 75 Feet

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Figure 7

Summary of 8-Hour Confirmatory Sampling Results for PCE and TCE (December 2015)

Building 330D

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows tetrachloroethene (PCE) and trichloroethene (TCE) results for indoor air sampling of occupied portions of the first floor of B330D on December 17, 2015. The results of the last historical sampling event are also shown for comparison at each location where a December 2015 sample was collected. "NS" indicates that the location has not been sampled previously. The samples were collected as 8-hour time-weighted-average samples using 6-L SUMMA canisters. Results are shown in micrograms per cubic meter ($\mu g/m^3$).

Legend

- Indoor Air Location
- Ambient Air Location
- AC-83 — HVAC Zone and Designation
- IA AY-43 / 4.7 / <0.17 / 19 / 0.22 — Control Point Name; PCE/TCE (Historical Confirmatory Sample-Date Varies); PCE/TCE (December 17, 2015 Confirmatory Sample)
- NS — Not Sampled
- HVAC Zones Off During Testing
- Areas that will be routinely occupied when Global Foundries makes their requested HVAC changes

37.5 18.75 0 37.5 75 Feet

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N

W E

S

B330C

B338

AC-1

AC-2

AC-3A, 3B, & 3C

AC-4A, 4B, 4C, & 4D

IA5013
NS
30 / 1.6

IA0501
0.87 / <0.54
14 / 0.73

IA5002
1.0 / <0.54
35 / 1.5

IA5004
<0.68 / <0.54
2.8 / <0.54

IA5001
1.8 / <0.54
29 / 0.88

IA5005
0.73 / <0.54
NS

IA5012
<0.68 / <0.54
NS

IA5003
1.1 / <0.54
8.2 / <0.54

IA5011
<0.68 / <0.54
NS

IA0504
<0.68 / <0.54
1.2 / <0.54

IA5008
<0.68 / <0.54
NS

IA5010
<0.68 / <0.54
2.3 / <0.54

IA5006
<0.68 / <0.54
NS

IA0503
<0.68 / <0.54
1.2 / <0.54

IA5007
<0.68 / <0.54
1.2 / <0.54

IA5009
<0.68 / <0.54
NS

Figure 8

Summary of Portable GC/MS Results - Original and Adjusted HVAC Operating Conditions

Building 338

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows tetrachloroethene (PCE) and trichloroethene (TCE) results for indoor air screening using a portable gas chromatograph / mass spectrometer (GC/MS) that was conducted under the original (baseline) and adjusted heating, ventilation, and air conditioning system (HVAC) operating conditions in August 2015. Results are shown in micrograms per cubic meter (µg/m3).

Legend

- IA0501 — Indoor air location
- IA0504 / <0.68 / <0.54 / 1.2 / <0.54 — Control Point Name; PCE/TCE Screening Results for Initial Baseline Round (HVAC operating under original conditions); PCE/TCE Screening Results for Adjusted HVAC Settings
- NS — Not Screened
- AC-2 — HVAC Zone

20 10 0 20 40 Feet

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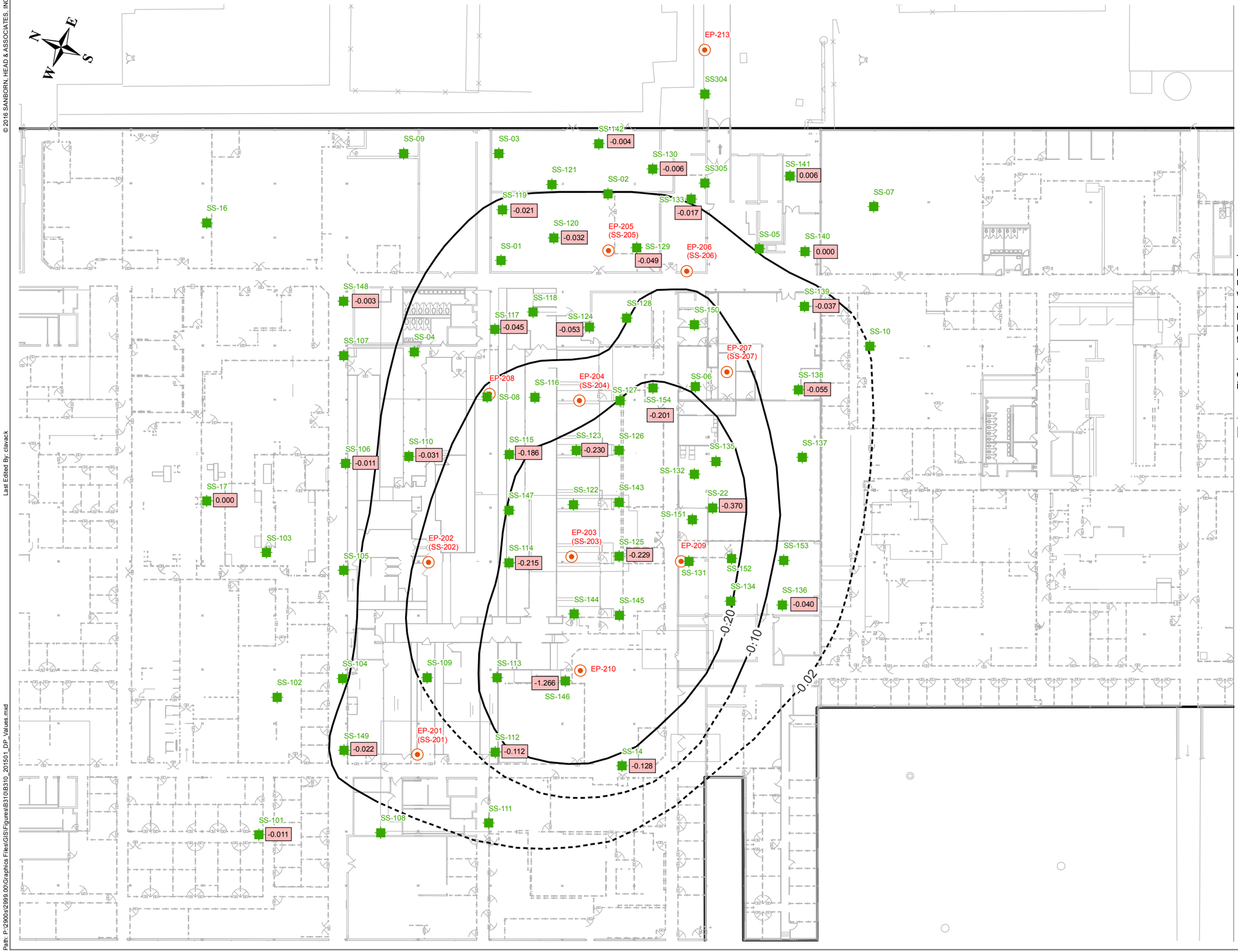


Figure 9

Extent of Subslab Depressurization

Building 310

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	C. LaVack
Designed By:	J. Sanborn
Reviewed By:	B. Green / D. Shea
Project No:	2999.06
Date:	May 2016

Figure Narrative

This figure shows measurements of differential pressure between indoor air and subslab vapor measured in monitoring ports in units of inches of water column. Measurements were collected on January 10, 2015 with a digital micromanometer. Negative values indicate subsurface pressures less than indoor air pressure, or under vacuum, at the time of recording.

The contour represents the inferred apparent extent of vacuum conditions observed. Other interpretations are possible.

Legend

- Subslab Extraction Port Location
- Subslab Sample Port Location
- -0.20 — Differential pressure contour (inches of water column). Dashed where inferred.

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Figure 10

Subslab Pressure Response to Vapor Extraction

B308/B310 Linkway

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016

Figure Narrative

This figure shows the vapor extraction data and observed subslab pressure response for all three fans operating simultaneously. Subslab pressure was monitored using a digital manometer referenced to the indoor pressure. Negative values indicate subslab pressure less than indoor air pressure.

Legend

- SS300 — 1/2 inch subslab monitoring port
- EP-211 — Subslab extraction port
- -0.04 — Differential pressure measurement (in. wc)
- EP-214 / 46 (cfm) / 6.3 (in. wc) / 0.90 (ppmv) — Extraction port; Flow rate (cu. ft. per min.); Vacuum (extraction port); PID concentration

B310

B308

B384

LINKWAY

SS305 -0.02

SS304 -0.12

SS303 -0.40

SS302 -0.70

SS301 -0.07

SS300 -0.04

EP-213

EP-214

EP-211

EP-212 -0.06

EP-213
38 (cfm)
7.1 (in. wc)
0.90 (ppmv)

EP-214
46 (cfm)
6.3 (in. wc)
0.90 (ppmv)

EP-211
29 (cfm)
8.5 (in. wc)
6.0 (ppmv)

EP-212
Not Connected

LINKWAY TO B308

COMPACTOR ROOM

TOXIC GAS ROOM

LOADING DOCK

HYD

N

10' 5' 0 10' 20' Feet

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Figure 11

Summary of PCE in Indoor Air

B308/B310 Linkway

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016

Figure Narrative

This figure shows the results of indoor air sampling for PCE in the linkway before and after startup of the Sub-slab Depressurization System (SSDS).

Analytical samples were collected as 8-hour time weighted average samples using Summa canisters.

The most recent result for Pre- and Post SSDS Startup data is shown at each location. Only the locations that have Post-SSDS Startup data are shown on this figure. November 2013 results represent pre-startup conditions. November 2015 results represent post-startup conditions.

Sample Location	Sample Type	Collection Date	Tetrachloroethene (PCE) µg/m³	Trichloroethene (TCE) µg/m³
IA2033	SUMMA	11/26/2013	<1.1	0.22
		11/20/2015	<1.1	<0.18

Sample Location	Sample Type	Collection Date	Tetrachloroethene (PCE) µg/m³	Trichloroethene (TCE) µg/m³
IA2037	SUMMA	11/26/2013	6.8	0.28
		11/20/2015	<1.1	<0.18
IA2037 DUP	SUMMA	11/20/2015	<1.1	0.26

Sample Location	Sample Type	Collection Date	Tetrachloroethene (PCE) µg/m³	Trichloroethene (TCE) µg/m³
Ambient Air	SUMMA	Nov. 2015	<1.1	<0.17

B310

B308

B384

LINKWAY

SS305 SS304 SS303 SS302 SS301 SS300

EP-213 EP-214 EP-211 EP-212

IA2037 IA2033

AA2024

EP-212
Not Connected

COMPACTOR ROOM
TOXIC GAS ROOM
LOADING DOCK

Legend

- SS300 — 1/2 inch subslab monitoring port
- **EP-211** — Subslab extraction port
- IA2042 — Indoor air location
- AA2024 — Ambient air location

N

10' 5' 0 10' 20' Feet

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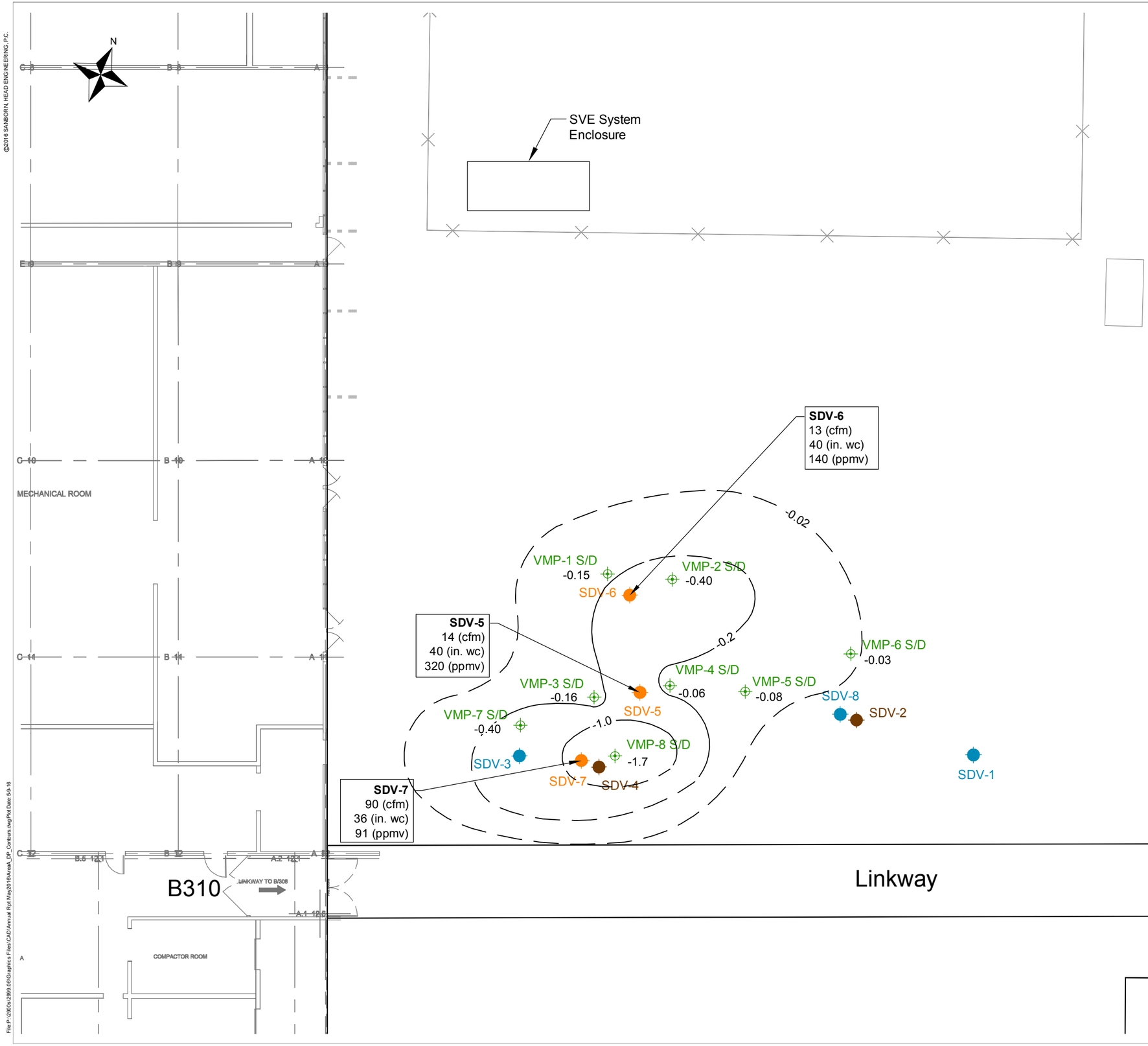


Figure 12

Differential Pressure and Inferred Vacuum Isopleths 5 Ft Depth

Area A Pilot Soil Vapor Extraction System

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016

Figure Narrative

This figure shows measurements of differential pressure between ambient air and subsurface monitoring points in units of inches of water column at the noted depth interval. Negative values indicated subsurface pressures below atmospheric, or under vacuum, at the time of sampling.

Contours represent inferred apparent vacuum conditions observed during system startup monitoring conducted on May 13, 2015. Actual vacuum conditions include components of vertical flow and are likely more complex than shown. Other interpretations are possible.

Legend

- SDV-2 — Small diameter vapor well (2-in.) not connected to the SVE system
- SDV-5 — Small diameter vapor well connected to the SVE system currently in operation (screened 7.5 to 10 ft bgs)
- SDV-3 — Small diameter vapor well connected to the SVE system currently not in operation (screened 7.5 to 10 ft bgs)
- VMP-1 S/D — Multi-level vapor monitoring point (S = 5 ft bgs, D = 10 ft bgs)
- -0.08 — Differential pressure measurement (in. wc)
- SDV-5 / 14.2 (cfm) / 39.9 (in. wc) / 318 (ppmv) — Extraction port; Flow rate (cu. ft. per min.); Vacuum (extraction port); PID concentration
- -1.0 — Differential pressure contour (inches of water column). Dashed where inferred.

8' 4' 0 8' 16' Feet

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File P:\2900s\2999.06\Graphics Files\CAD\Annual Rpt May2016\Area A_DP_Contours.dwg Plot Date: 5-9-16

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N

C 13 B 13 A 13

C 10 B 10 A 10

MECHANICAL ROOM

C 11 B 11 A 11

C 12 B 12 A 12

B.5 12.1 A.2 12.1

B310

LINKWAY TO B/308

A.1 12.6

G
EA

COMPACTOR ROOM

SVE System
Enclosure

-0.02

-1.00

-2.00

SDV-6
13 (cfm)
40 (in. wc)
140 (ppmv)

VMP-1 S/D
-2.9

VMP-2 S/D
-2.0

SDV-6

SDV-5
14 (cfm)
40 (in. wc)
320 (ppmv)

VMP-6 S/D
-0.04

VMP-4 S/D
-0.51

VMP-5 S/D
-0.09

VMP-3 S/D
-0.48

SDV-8

SDV-2

SDV-5

VMP-7 S/D
-0.43

VMP-8 S/D
-2.0

SDV-3

SDV-7

SDV-4

SDV-7
90 (cfm)
36 (in. wc)
91 (ppmv)

SDV-1

Linkway

B384

Figure 13

Differential Pressure and Inferred Vacuum Isopleths 10 Ft Depth

Area A Pilot Soil Vapor Extraction System

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: J. Corsello
Reviewed By: S. Soos / D. Shea
Project No: 2999.06
Date: May 2016

Figure Narrative

This figure shows measurements of differential pressure between ambient air and subsurface monitoring points in units of inches of water column at the noted depth interval. Negative values indicated subsurface pressures below atmospheric, or under vacuum, at the time of sampling.

Contours represent inferred apparent vacuum conditions observed during system startup monitoring conducted on May 13, 2015. Actual vacuum conditions include components of vertical flow and are likely more complex than shown. Other interpretations are possible.

Legend

- SDV-2 — Small diameter vapor well (2-in.) not connected to the SVE system
- SDV-5 — Small diameter vapor well connected to the SVE system currently in operation (screened 7.5 to 10 ft bgs)
- SDV-3 — Small diameter vapor well connected to the SVE system currently not in operation (screened 7.5 to 10 ft bgs)
- VMP-1 S/D — Multi-level vapor monitoring point (S = 5 ft bgs, D = 10 ft bgs)
- -0.48 — Differential pressure measurement (in. wc)
- **SDV-5** 14.2 (cfm) 39.9 (in. wc) 318 (ppmv) — Extraction port; Flow rate (cu. ft. per min.); Vacuum (extraction port); PID concentration
- -1.00 — Differential pressure contour (inches of water column). Dashed where inferred.

8' 4' 0 8' 16' Feet

SANBORN HEAD ENGINEERING

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APPENDIX A

LIMITATIONS

APPENDIX A
SHPC LIMITATIONS

1. The findings and conclusions described in this report are based in part on the data obtained from a finite number of samples from widely spaced locations. The figures are intended to depict inferred conditions during a given period of time, consistent with available information. The actual conditions will vary from that shown, both spatially and temporally. Other interpretations are possible. The nature and extent of variations between sampling locations may not become evident until further investigation is initiated. If variations or other latent conditions then appear evident, it may be necessary to re-evaluate the conclusions of this report.

2. Quantitative laboratory testing was performed by others as part of the investigation as noted within the report. Where such analyses have been conducted by an outside laboratory, unless otherwise stated in the report, SHPC has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data. It must be noted that additional compounds not searched for during the current study may be present in vapor and indoor air at the site. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their distribution within the vapor and indoor air may occur due to the passage of time, seasonal water table fluctuations, recharge events, and other factors.

3. This report has been prepared for the exclusive use of the IBM Corporation for specific application to the former IBM East Fishkill facility in accordance with generally accepted hydrogeologic and engineering practices. No warranty, expressed or implied, is made. The contents of this report should not be relied on by any other party without the express written consent of SHPC.

4. In preparing this report, SHPC has endeavored to conform to generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area. SHPC has attempted to observe a degree of care and skill generally exercised by the technical community under similar circumstances and conditions.