

February 28, 2018

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Division of Environmental Remediation
Remedial Bureau D
625 Broadway, 12th Floor
Albany, NY 12233-7013

Subject: 2017 Annual Report, Groundwater Monitoring Program

Former IBM Facility, Owego, New York

Reference: 6NYCRR Part 373 Hazardous Waste Management Permit

No. 7-4930-00095/00005

Dear Ms. LaClair:

Attached is the 2017 Annual Report for the Groundwater Monitoring Program at the former IBM facility in Owego, New York. This report is being submitted in accordance with the facility's Part 373 Permit and Groundwater Monitoring Plan. An EDD for the data in this report is also being submitted to NYENVDATA.

Should you have any questions concerning this report, please contact me at 703-257-2582 or by email at brandon.ashby@ibm.com.

Sincerely,

Brandon Ashby, P.G., R.E.M.

Program Manager - Environmental Remediation

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2017 ANNUAL REPORT GROUNDWATER MONITORING PROGRAM FORMER IBM FACILITY OWEGO, NEW YORK 6NYCRR PART 373 PERMIT NO. 7-4930-00095/00005

Prepared for:

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February 28, 2018

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Professional Geologist Certification 2017 Annual Report Groundwater Monitoring Program Former IBM Facility Owego, New York

6NYCRR Part 373 Permit No. 7-4930-00095/00005 Site #754006

February 28, 2018

As the person with primary responsibility for the performance of the geological services and activities associated with the captioned report, I certify that I have reviewed the document entitled "2017 Annual Report, Groundwater Monitoring Program, Former IBM Facility, Owego, New York" prepared pursuant to Modules II.H (Corrective Action Program) and III.D (Reporting Requirements for Groundwater Monitoring) of 6NYCRR Part 373 Hazardous Waste Management Permit No. 7-4930-00095/00005 dated March 30, 2010. This report is dated February 28, 2018 and was prepared for IBM Corporation by Groundwater Sciences Corporation and Groundwater Sciences, P.C.

I certify that the associated geological services and this report have been prepared under my direct supervision. To the best of my knowledge, all such information contained in this report is complete and accurate.

This report bears the seal of a professional geologist. No alterations may be made to the information contained in this report unless made in accordance with Title 8, Article 145, Section 7209 of New York State Education Law.

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- Third Quarter 2017 groundwater elevations were measured on July 17, 2017 in the Waste Management Area, Southern and Western Boundary Areas, and Tower View Drive / Mirror Lake Area in the southern part of the Site.
- Fourth Quarter 2017 groundwater elevations were measured on October 2, 2017 in the Tank Farm Area and Parking Lot 001 Area in the northern part of the Site.
- Third Quarter 2017 groundwater sampling occurred in July 2017 in the Waste Management Area, Southern and Western Boundary Areas, and Tower View Drive / Mirror Lake Area in the southern part of the Site.
- Fourth Quarter 2017 groundwater sampling occurred in October 2017 in the Tank Farm Area and Parking Lot 001 Area in the northern part of the Site.

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- Appendix A Extraction Well Pumping Volumes (Table A-1) and VOC Mass Removal Calculations (Table A-2)
- Appendix B Table B-1: Well Specifications, Corrective Action Monitoring Program
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- Appendix C 2017 Groundwater Elevation Data and 2017 Well Inspection Summary with Dedicated Equipment Assignments
- Appendix D 2017 Sampling Plan Groundwater Monitoring Program
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- Appendix F 2017 Groundwater Analytical Chemistry Data for Extraction and Monitoring Wells
- Appendix G Statistical Summary of Groundwater Chemistry Data, 1993-2017
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Plates

- Plate 1-1 Well Location Map Corrective Action Monitoring Program
- Plate 3-1 Time vs. Concentration Graphs for Quarterly Monitoring Wells

1 INTRODUCTION

This report has been prepared by Groundwater Sciences Corporation (GSC) for the International Business Machines Corporation (IBM). Its purpose is to satisfy the annual reporting requirements for IBM's former Owego, New York facility (the "Site"), located approximately one mile southeast of the village of Owego, New York (Figure 1-1).

1.1 Regulatory Reference

This annual report is being submitted to the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation in accordance with Modules II.H (Corrective Action Program) and III.D (Reporting Requirements for Groundwater Monitoring) of the Site's 6NYCRR Part 373 Hazardous Waste Management Permit (Part 373 Permit) No. 7-4930-00095/00005, with an effective date of March 30, 2010. Groundwater monitoring data generated from January 1 to December 31, 2017, including groundwater extraction volumes, groundwater elevations, and analytical chemistry data, is presented in this report. Groundwater monitoring data generated between January 1 and June 30, 2017 was also presented in the 2017 Semiannual Data Report previously submitted to NYSDEC on August 14, 2017. In accordance with the Module II.H.3 requirements, contaminant levels and the effectiveness of the corrective measures program are evaluated in this report.

1.2 Organization of Report

This report is organized as follows. Section 1.3 provides background on the Groundwater Monitoring Program and Section 1.4 provides an overview of the Site's hydrogeologic setting. Section 2 discusses the groundwater sampling and related data collected during 2017 for the Groundwater Monitoring Program, including extraction well pumping data and quality control (QC) analytical chemistry data. Section 3 evaluates the groundwater extraction, hydrogeology, and groundwater chemistry in various areas of the Site, including the Tank Farm Area and the Parking Lot 001 Area (P001 Area) in the northern part of the Site, and the former Waste Management Area, Tower View Drive and Mirror Lake Areas, Southern Boundary Area and Western Boundary Area in the southern part of the Site. These areas and all active monitoring and extraction wells are shown on Plate 1-1.

1.3 Background Information

IBM submitted a Resource Conservation and Recovery Act (RCRA) Post-Closure Permit Application to NYSDEC and the United States Environmental Protection Agency (USEPA) in June 1987 for the former Waste Management Area at the Site. As required by RCRA regulations, IBM established a quarterly Groundwater Monitoring Program for the Site, including the former Waste Management Area. The groundwater monitoring network and its operation, maintenance, and reporting conditions were subsequently incorporated into the Site's Part 373 Permit, which required the preparation of Groundwater Monitoring Plan (GMP). The GMP was approved by NYSDEC in March 1995 and has been revised several times in the past 23 years as extraction wells and monitoring wells have been added or removed, and the site-specific list of analytical parameters has been changed. The GMP describes the corrective action groundwater monitoring network in detail, including the groundwater treatment process, wells, sampling frequencies, analytical parameters, and semiannual and annual reporting requirements.

1.4 Overview of Site Hydrogeology

The hydrogeology of the former IBM Owego Site consists of three primary geologic zones or units: (1) bedrock, consisting of shale and siltstone of the Devonian West Falls Group; (2) unconsolidated sediments of glacial origin (till) consisting of a dense mixture of clay, silt, sand, gravel, and boulders; and (3) other unconsolidated sediments of various depositional origins, including alluvium, glaciolacustrine silt, glaciofluvial sands and gravels (outwash) and fill. The bedrock is weathered to varying degrees on its upper surface, and this zone of weathered bedrock is very thin or absent in some areas. The till and other unconsolidated sediments are discontinuous units that vary greatly in thickness and hydraulic conductivity across the Site. Where they are present, the alluvium and glaciofluvial deposits (primarily outwash sands and gravels) form the principal shallow water-transmitting unit and are referred to in this report as the alluvial zone. The upper part of the bedrock, including the interface between the weathered bedrock and the fine-grained unconsolidated sediments (including the bottom of the till) typically transmits water and is referred to in this report as the till/bedrock zone. The till typically exhibits a very low hydraulic conductivity and is not an important water-transmitting unit.

Groundwater elevation contour maps were constructed for the till/bedrock zone using July 2017 data from the southern part of the Site and October 2017 data from the northern part of the Site (Figure 1-2). Similar maps were published in the 2017 Semiannual Data Report using January and June 2017 data from the till/bedrock zone. Except where influenced by the extraction wells, groundwater flow in the till/bedrock zone is generally from northeast to southwest across the Site toward Barnes Creek, which flows into the Susquehanna River. The Susquehanna River is located approximately 800 feet southwest of the Site's southern boundary, as shown on Figure 1-1.

Groundwater elevation contour maps were also constructed for the alluvial zone using July 2017 data from the southern part of the site and October 2017 data from the northern part of the site (Figure 1-3). These maps show the discontinuous nature of the alluvial zone, where groundwater flow is strongly influenced by the extraction wells in the P001 Area and former Waste Management Area. The alluvial zone is generally absent in the Tank Farm Area and in the northern portions of the former Waste Management Area and in the Tower View Drive and Mirror Lake Areas.

2 GROUNDWATER MONITORING PROGRAM

Quarterly field activities for the groundwater monitoring program consist of groundwater elevation measurements, groundwater sampling, and well inspections. These activities were performed in accordance with the GMP by qualified field personnel from GSC.

2.1 Groundwater Extraction Wells

The Site's groundwater extraction and treatment system consists of six extraction wells and a packed-column air stripping tower designed to remove volatile organic compounds (VOCs) from groundwater. As shown on Plate 1-1, the extraction wells are located in three areas:

- 1. In the Tank Farm Area, extraction well 415 pumps from the till/bedrock zone.
- 2. In the Parking Lot 001 Area, extraction well 413 pumps from till/bedrock zone, and extraction well 414 pumps from both the alluvial and till/bedrock zones. Extraction well 416 was installed in June 2015 and began pumping from the till/bedrock zone in August 2015.
- 3. In the Waste Management Area, extraction well 404 pumps from both the alluvial and till/bedrock zones and extraction well 405 pumps primarily from the alluvial zone. Wells 404 and 405 have multiple screened intervals.

Except for brief periods of testing and maintenance, the system has operated continuously since April 1990. About 4.6 billion gallons of groundwater have been extracted and treated since 1985.

2.1.1 Summary of Significant Maintenance Activities

The following significant maintenance activities were performed on the groundwater monitoring wells, extraction wells, and treatment system in 2017:

- 1. A new submersible pump and motor were installed in well 405 on January 6.
- 2. Flow meters for wells 413, 414, 415 and 416 were cleaned on February 6.
- 3. A broken pump motor wire in well 415 was repaired on February 8.

- 4. Flow meters for wells 413, 414, 415 and 416 were cleaned on March 3.
- 5. The air stripper blower bearings and heating system at the GTF were serviced, and upgraded LED lighting was installed on March 7.
- 6. The submersible pump and motor in well 414 were replaced on March 17.
- 7. The submersible pump head in well 415 was replaced on April 5.
- 8. The submersible pump head and motor in well 416 were replaced on April 5.
- 9. Flow meters for all site extraction wells were cleaned on April 5.
- 10. Flow meters for wells 413, 414, 415 and 416 were cleaned on May 15.
- 11. The variable frequency drive and submersible water level transducer in well 404 were replaced on May 15 and 16.
- 12. A leaking pitless adapter seal in well 414 was repaired on June 1.
- 13. Piping modifications within the well 415 Hot Box enclosure were performed on June 6. The Powerhouse (Building 301) sump flow meter, instrumentation and sampling port were moved from Building 002 to the well 415 enclosure for improved operator access. The 415 flow meter and related piping were cleaned at that time and sections of the original Powerhouse sump piping were flushed and removed from Building 002.
- 14. The submersible pump in extraction well 415 was replaced on June 9 due to fouling of the pump with iron.
- 15. Flow meters for wells 413, 414, 415 and 416 were calibrated on June 20.
- 16. The submersible pump and motor in well 405 were replaced June 30.
- 17. The flow meters for wells 404 and 405 were calibrated on August 9. The groundwater treatment system totalizer meter (F003) was also calibrated at that time.

- 18. Routine maintenance was performed on wells 413, 414, and 416 on August 30. This work included cleaning the flow meters, jetting the discharge lines, and redeveloping and cleaning the wells by brushing and air-lifting.
- 19. The pump in extraction well 416 was replaced on August 30.
- 20. The submersible pump in well 415 was replaced and the flow meter was cleaned on August 30.
- 21. The GTF was shut down on September 20 and 21 to inspect the air stripper and conduct repairs on the stripping tower, blower ducts, and GTF building roof.
- 22. Modifications were made to the well 415 Hot Box concrete containment berm on October 11 to eliminate issues with rainwater intrusion and surface runoff from the visitor parking lot.
- 23. Additional repairs to the GTF stripper blower duct and building roof were performed on October 18 and 24.
- 24. The pump in extraction well 414 was replaced on November 8.
- 25. GTF was shut down from November 13 to November 15 to complete replacement of the air stripper duct work.
- 26. The Powerhouse sump pump in Building 301 was off several times during the weeks of November 13 and 20 for troubleshooting and piping repairs due to line blockage discovered near the sump location. The Powerhouse sump piping and 415 discharge piping and tunnel conveyance line were flushed with potable water on November 22 as part of those repair efforts.
- 27. The flow meters for wells 413, 414, 415 and 416 were cleaned on December 15.
- 28. The pump in well 416 was replaced on December 20.
- 29. Repairs were made on December 27 to the heating system in the GTF building.

2.1.2 Pumping Volumes

The pumping volume at each extraction well is recorded electronically. Table A-1 in Appendix A shows metered monthly pumping volumes in 2017 for the extraction wells in the Waste Management Area (wells 404 and 405), Parking Lot 001 Area (wells 412, 413, and 416) and Tank Farm Area (well 415). The volume of groundwater extracted in 2017 was 122.2 million gallons (Mgal), slightly less than the average annual flow during the previous 16 years (126.7 Mgal). This decline can be attributed, in part, to shutdowns that occurred for well maintenance activities, as described in Section 2.1.1.

2.1.3 Evaluation of Treatment Efficiency

Treatment efficiency for the groundwater treatment system was calculated by comparing concentrations of VOCs in the GTF influent with the concentrations of VOCs in the treated effluent discharged from the air stripping tower. The influent and effluent were sampled monthly in 2017 in accordance with the Site's National Pollutant Discharge Elimination System (NPDES) Permit Number NY0244597. No EPA Method 624 VOCs were detected in any of the monthly effluent samples collected in 2017, resulting in a removal efficiency of 100 percent.

2.2 Groundwater Monitoring Wells

The Site's Corrective Action Monitoring Program consists of 142 wells. Physical specifications for the monitoring and extraction wells used in 2017 are listed on Table B-1 of Appendix B.

2.2.1 Groundwater Elevation Measurements

Groundwater elevations were measured in 140 of the 142 wells listed on Table B-2a of Appendix B. (Extraction wells 404 and 405 are not accessible for manual groundwater elevation measurements.) These include 130 on-Site wells, four off-Site wells (540, 541, 542, 543) in the Route 17C interchange area south of the Southern Boundary Area, and six off-Site wells (521, 522, 524, 529, 532, 534) on the Moore Tire property located west of the P001 Area.

Groundwater elevations were calculated by subtracting the measured depth to water from the surveyed elevation of the measuring point listed in Appendix C. The designated measuring point for most wells is the top of the inner well casing (i.e., "TOC Elevation"). Groundwater elevations

were measured quarterly on February 27, June 12, July 17, and October 2, 2017. The tabulated groundwater elevation data for 2017 are presented in Appendix C. Groundwater elevation data for prior years has been published in previous annual reports and is maintained in an Access database.

2.2.2 Monitoring Well Inspections and Dedicated Equipment

In addition to the inspection performed when each monitoring well was sampled, a comprehensive annual inspection of the well field was performed during the February and June 2017 sampling events. This inspection included the following items: (1) measurement of depth to well bottom and comparison of this depth to the reference depth to determine the need for redevelopment, (2) assessment of the legibility of the well tag and visibility of the survey mark, (3) determination of whether the well standpipe needs to be painted and whether the location should be cleared of brush/weeds, (4) assessment of the condition of the well seal, and (5) description of dedicated equipment (if any) and the condition of the bailer cable.

The well inspection summary table in Appendix C also shows the type of sampling device used in each well. Polyethylene diffusion bag (PDB) sampling devices are used in many monitoring wells and significantly reduce the volume of purge water generated during groundwater sampling. The PDB samplers are typically set at the midpoint of the water column in each well.

2.2.3 Groundwater Sampling

Table B-2b of Appendix B lists the wells that are required by the GMP to be sampled and analyzed quarterly, semiannually, or annually. Other wells not listed on Table B-2b of the GMP were sampled voluntarily, including the groundwater extraction wells.

The 2017 sampling schedule for the groundwater monitoring program is summarized in Appendix D. For wells sampled semiannually, a staggered quarterly sampling arrangement was approved by NYSDEC, whereby the sampling events in the northern and southern parts of the Site are scheduled in alternating quarters so as to evenly distribute the sampling field work over the course of the year.

The quarterly sampling events for 2017 occurred on February 28 to March 3, June 12 to 15, July 17 to 20, and October 2 to 5. All groundwater samples collected during 2017 were analyzed by

Eurofins Lancaster Laboratories Environmental (NYSDOH ELAP #10670). Copies of the completed chains of custody (COCs) for 2017 are included in Appendix E of this report.

None of the wells that were scheduled to be sampled in the northern part of the Site during the first and third quarters was dry. (Well 114 in the Tank Farm Area was dry in June and October, but it is not routinely sampled). Of the wells that were scheduled to be sampled in the southern part of the Site during the first and third quarters, only well 620 in the Tower View Drive Area had insufficient water for collecting groundwater samples.

The remainder of this section discusses the analytical results for samples collected in 2017 from groundwater monitoring wells and extraction wells, and for field QA/QC samples.

2.2.3.1 Groundwater Chemistry Results

Chemistry data generated from groundwater monitoring activities is maintained in a database by GHD, Inc. (GHD). This database contains groundwater analytical chemistry and field quality control (QC) data from 1993 to the present. Analytical chemistry data generated by the laboratory is transmitted to GHD and GSC electronically. The data is periodically reviewed for outliers, new high or low concentrations, and missing data.

A summary printout of the groundwater analytical chemistry data for all samples collected in 2017 from monitoring wells and extraction wells is presented in Appendix F. This summary includes results for pH, temperature, turbidity, and specific conductance measured in the field at the time of sampling. The summary data presented in Appendix F are shown in alphanumeric ascending order by sample location, and chronologically by sample date for each location.

2.2.3.2 Volatile Organic Compounds in Groundwater

The principal chemicals detected and of concern at the Site are chlorinated ethanes and ethenes. These and other chlorinated volatile organic compounds (CVOCs) are discussed further in Section 3.3.1. Twelve CVOCs were detected in groundwater in 2017 at concentrations greater than the applicable New York State Groundwater Quality Standard (NYSGQS).

Table 2-1 lists the 16 parameters analyzed in groundwater for the Site's Groundwater Monitoring Program together with the NYSGQS for each parameter, the maximum concentration of each

parameter measured in 2017, and the monitoring well and extraction well where the maximum concentrations were detected. Dichlorodifluoromethane (Freon 12) has not been detected at concentrations greater than its NYSGQS (5 micrograms per liter (ug/L)) since 2007 and trichloromethane (chloroform) has not been detected at concentrations greater than its NYSGQS (7 ug/L) since 2008. Freon 11 has not been detected in any groundwater sample since January 2006.

Minimum, median, and maximum concentrations for the monitoring wells and extraction wells during the 25-year period from 1993 to 2017 are summarized in Appendix G.

Table 2-1. Analytical Parameters for the Groundwater Monitoring Program*								
Parameter	NYSGQS (ug/L)	Maximum Concentration Measured in a Monitoring Well in 2017	Maximum Concentration Measured in an Extraction Well in 2017					
Detected at a concentration greater than the NYSGQS:								
1,1,1-Trichloroethane (111-TCA)	5	3,300 ug/L @ 609	1,600 ug/L @ 415					
1,1-Dichloroethane (11-DCA)	5	2,000 ug/L @ 609	1,400 ug/L @ 414					
1,1-Dichloroethene (11-DCE)	5	530 ug/L @ 128	1,100 ug/L @ 415					
Tetrachloroethene (PCE)	5	16 ug/L @ 610	18 ug/L @ 415					
Trichloroethene (TCE)	5	660 ug/L @ 612	1,600 ug/L @ 415					
cis-1,2-Dichloroethene (c12-DCE)	5	460 ug/L @ 128	2,700 ug/L @ 415					
Vinyl chloride	2	35 ug/L @ 378	170 ug/L @ 415					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	420 ug/L @ 609	130 ug/L @ 415					
1,2-Dichloro-1,2,2-trifluoroethane (Freon 123a)	5	47 ug/L @ 609	30 ug/L @ 414					
Methylene chloride (DCM)	5	8.7 ug/L @ 612	Not detected					
1,2-Dichloroethane	0.6	2.3 ug/L @ 612	2.6 ug/L @ 415					
1,1,2-Trichloroethane	1	5.8 ug/L @ 128	6.5 ug/L @ 415					
Not detected at a concentration greater than the NYSGQS:								
Dichlorodifluoromethane (Freon 12)	5	1.5 ug/L @ 382	1.2 ug/L @ 404					
Chloroethane	5	3.9 ug/L @ 521	2.1 ug/L @ 416					
Trichloromethane (Chloroform)	7	1.4 ug/L @ 183	1.6 ug/L @ 404					
Trichlorofluoromethane (Freon 11)	5	Not detected	Not detected					

*from Table 1-1 of *Groundwater Monitoring Plan, Former IBM Facility, Owego, New York* (December 2006). NYSGQS = New York State Groundwater Quality Standard (from 6 NYCRR Part 703.5, Table 1, Class GA) ug/L = micrograms per liter

2.2.3.3 Quality Control Results for Environmental Blanks

Environmental blanks, consisting of equipment rinse blanks and trip blanks, were collected and analyzed in 2017 for quality control purposes. The analytical chemistry data for these environmental blank samples is presented in Appendix H.

Trip blanks were prepared by the laboratory for each sampling round using analyte-free deionized (DI) water for each cooler containing samples for CVOC analysis. The purpose of the trip blanks is to detect contamination encountered or generated during sample transportation or storage. A trip blank was the first item placed into each cooler by the laboratory and accompanied the sample containers from the laboratory to the field sampling locations and back to the laboratory. Sixteen trip blanks were collected in 2017 and the analytical results for these trip blanks are presented in Appendix H. Groundwater samples associated with each trip blank can be determined by noting the "Sample Date" of the trip blank in Appendix H and cross-checking this date with the trip blanks listed on the COCs in Appendix E. All trip blank labels begin with the letters "OTB" in the "Sample Identification" section of the COC.

Equipment rinse blanks were collected to confirm the efficiency of decontamination procedures by rinsing non-dedicated equipment such as water level indicators with analyte-free deionized water and catching the rinse water in sample bottles for analysis. Sixteen equipment rinse blanks were collected in 2017 from water level indicators and the analytical results for these blanks are presented in Appendix H.

Seven CVOCs on the Site's parameter list (Table 2-1) were detected in environmental blanks in 2017. Six of these CVOCs were detected at estimated concentrations ("J" qualified) greater than or equal to the method detection limit (0.1 ug/L) but equal to or less than the limit of quantitation (0.5 ug/L). TCE was detected at concentrations of 0.7 to 1.8 ug/L in eight equipment rinse blanks collected in 2017 from water level indicators; these detections may be traced to the space where the DI rinse water was being stored. In addition to changing the storage location of the DI water, water level indicators will continue to be thoroughly cleaned with an Alconox solution followed by a DI water rinse before collecting equipment rinse blanks. None of the groundwater analytical chemistry results from monitoring wells required qualification based on the detections of CVOCs in environmental blanks.

3 EVALUATION OF HYDROGEOLOGY AND HYDROGEOCHEMISTRY

This section evaluates the groundwater monitoring data collected during 2017. Current data are presented in the form of potentiometric and isoconcentration contour maps and are also evaluated in the context of historical trends. As required by the Site's Part 373 Permit, this evaluation includes a delineation of the limits of hydraulic control in areas with sufficient data for such delineation.

3.1 Groundwater Extraction

As noted in Section 2.1.2, Table A-1 of Appendix A contains a table of volumes pumped in 2017 from the Site's groundwater extraction wells. Details of this pumping data are discussed below.

3.1.1 Northern Part of the Site

Hydraulic control and contaminant removal in the northern part of the Site is accomplished by the operation extraction wells in the Tank Farm Area and P001 Area.

3.1.1.1 Parking Lot 001 Area

Plate 1-1 and Figure 1-2 show the locations of the three extraction wells (413, 414, and 416) in the P001 Area. The monthly flow from each of these wells is shown on Table A-1 of Appendix A. The combined monthly flow from the P001 extraction wells in 2017 ranged from 222,000 to 458,000 gallons.

Well 416 pumped approximately 160,000 gallons in 2017 at an average rate of 0.3 gallons per minute (gpm). With an average total CVOC concentration of 1,533 ug/L from quarterly samples, pumping from well 416 removed an estimated two pounds of CVOCs in 2017.

Extraction wells 413 and 414 were pumped at monthly average rates of 5.0 gpm and 2.0 gpm, respectively, in 2017. However, the higher total CVOC concentrations from the combined alluvial and till/bedrock zones at well 414 (maximum 2,476 ug/L) relative to total CVOC concentrations from the till/bedrock zone at well 413 (maximum 223 ug/L) resulted in well 414 removing three times more mass in 2017, estimated at 17 pounds for well 414 versus 5 pounds for well 413 (based on quarterly sampling data).

3.1.1.2 Tank Farm Area

Tank Farm Area extraction well 415 (Figure 1-2) pumped from the till/bedrock zone at an average rate of approximately 0.8 gpm in 2017. Compared to the other extraction wells at the Site, the volume extracted from well 415 is low and accounted for about 0.3% of groundwater extraction in 2017. However, the concentration of total CVOCs in well 415 was high (ranging from 5,600 to 8,400 ug/L) relative to all of the other extraction wells and, consequently, the total CVOC mass recovered by well 415 (about 25 pounds in 2017) was comparable to the combined CVOC mass recovered by the three P001 Area extraction wells.

3.1.2 Southern Part of the Site

Wells 404 and 405 extract groundwater in the southern part of the Site (Figure 1-3) and accounted for more than 96% of the groundwater volume pumped in 2017. The monthly flow from each of these wells is shown on Table A-1 of Appendix A and the combined monthly flow ranged from 7.4 to 10.7 Mgal in 2017 with an average pumping rate of nearly 225 gpm for the year.

3.2 Hydrogeology

As explained in Section 1.2 and shown on Plate 1-1, the Tank Farm Area is located in the northeastern part of the Site and the P001 Area is located in the northwestern part of the Site. The former Waste Management Area, Tower View Drive and Mirror Lake Areas, Western Boundary Area, and Southern Boundary Area are all located in the southern part of the Site. The hydrogeology of the northern and southern parts of the Site is discussed separately in the following sections.

3.2.1 Tank Farm Area

The geologic units in the Tank Farm Area consist primarily of till overlying bedrock, with some localized areas of fill. The monitoring wells in this area are screened in the fill, till, till/bedrock zone, or shallow bedrock. The shallow water-bearing "alluvial zone" unit present to the west of the Tank Farm Area appears to be absent in the Tank Farm Area. As a result, the till/bedrock zone is the most important water-transmitting unit in the Tank Farm Area and extraction well 415 is screened in that unit.

The groundwater flow divide shown on Figure 1-2 for the till/bedrock zone in the Parking Lot 001 and Tank Farm Areas on October 2, 2017 delineates the area where groundwater is captured by extraction well 415. Outside this area of capture, the direction of groundwater flow in the till/bedrock zone is generally to the west toward the P001 Area and to the southwest toward the Tower View Drive and Mirror Lake Areas.

3.2.2 Parking Lot 001 Area

The P001 Area is underlain by a bedrock valley originating as a closed depression in the bedrock surface with its deepest point situated between till/bedrock zone wells 393 and 395 (Figure 1-2). Subsurface investigations in the early 1990s determined that the buried bedrock valley extends westward from this depression, passing through a narrow throat at bedrock well 378 on Lakeview Parkway, and opening up off-Site to the southwest of well 378 beneath the Moore Tire property. This bedrock valley was confirmed by seismic refraction conducted during geophysical investigations in November 2017. In the P001 Area, this bedrock valley contains four hydrogeological units, from lowermost to uppermost: (1) weathered bedrock, (2) till, (3) sand, silt, and gravel, and (4) fill, which is more than 20 feet thick in some places. The primary water-bearing units in the P001 Area are the till/bedrock zone (straddling units 1 and 2) and the alluvial zone (unit 3).

Detailed groundwater elevation contour maps have been constructed semiannually since 1993 for both the till/bedrock zone and the alluvial zone in the P001 Area. Figure 1-2 shows the groundwater elevation contours for the till/bedrock zone in the P001 Area constructed from groundwater elevation data collected on October 2, 2017. The generalized direction of groundwater flow in the till/bedrock zone is indicated by the flow arrows on this map, and the hydraulic influence of P001 Area extraction wells 413 and 414 in the till/bedrock zone is apparent. Figure 1-2 also shows a groundwater flow divide in the vicinity of Lake View Parkway. On the eastern side of this flow divide, groundwater flow in the till/bedrock zone is captured by the P001 Area extraction wells. On the western side of the divide, groundwater flows to the southwest across the Moore Tire property and back onto the Site in the northern part of the former Waste Management Area.

The location of this groundwater flow divide in the till/bedrock zone fluctuates in response to variability in pumping rates of the P001 Area extraction wells. During periods of reduced pumping,

the flow divide lies farther east of the property line between the Site and the Moore Tire and Owego Bowl properties, and closer to the P001 Area extraction wells.

Figure 1-3 shows the groundwater elevation contours for the alluvial zone in the P001 Area on October 2, 2017. Extraction well 414 is the only well influencing groundwater flow in the alluvial zone in the P001 Area. The groundwater flow divide in the alluvial zone during the fourth quarter of 2017 was situated near or west of Lake View Parkway. Groundwater in the alluvial zone east of the flow divide is captured by extraction well 414. Groundwater in the alluvial zone west of the flow divide flows to the southwest through a zone of coarse alluvium extending across the center of the Moore Tire property and back onto the Site north of Building 352.

3.2.3 Southern Areas

Weathered bedrock and till overlie competent bedrock in the southern part of the Site. In the southern and central portions of the southern part of the Site, the till is overlain by relatively permeable outwash sand and gravel and, in some areas, by low-permeability glaciolacustrine silt. The entire area is covered by a surficial layer of post-glacial alluvium. This surficial alluvium is different from the deeper "alluvial zone" discussed elsewhere in this report.

3.2.3.1 Waste Management, Western Boundary, and Southern Boundary Areas

As shown on Figure 1-2, groundwater flow in the till/bedrock zone in the northern part of the former Waste Management Area is to the south and southwest toward extraction well 404. Flow in the till/bedrock zone of the Southern Boundary Area is generally to the northeast and north toward extraction well 404. The limit of groundwater capture by extraction well 404 in the till/bedrock zone may extend off-Site to the south of the railroad tracks, although there are no off-Site wells screened in the till/bedrock zone in that area.

An alluvial zone consisting primarily of sand and gravel overlies the till in the Southern Boundary Area. As shown on Figure 1-3, horizontal gradients in the alluvial zone of the Southern Boundary Area are very low (less than 0.01) in the vicinity of the railroad tracks. These low gradients are indicated by groundwater elevations ranging from 798.20 feet to 798.79 feet over an area of several acres at wells 101, 323, 319, 322, 318, 625 and 356. The southern limit of capture by extraction

wells 404 and 405 in the alluvial zone is indicated by the groundwater flow divide located north of wells 101 and 323, and running through well 627 on Figure 1-3.

3.2.3.2 Tower View Drive and Mirror Lake Areas

The direction of groundwater flow in the till/bedrock zone in the Tower View Drive and Mirror Lake Areas of the Site on July 17, 2017 is shown by the flow arrows on Figure 1-2. In these areas, groundwater generally flows to the southwest toward extraction well 404 in the former Waste Management Area. Groundwater flow in the limited alluvial zone through the Tower View Drive Area (Figure 1-3) also is generally to the southwest toward extraction well 404 and extraction well 405, which pumps primarily from sand and gravel in the alluvial zone.

3.3 Hydrogeochemistry

This section presents an analysis of the chemical concentration data collected in 2017, including an assessment of trends at specific locations.

3.3.1 Chemicals of Concern

As noted in Section 2.2.3.1.1, the chemicals of concern at the Site include chlorinated ethanes, chlorinated ethenes, and several other CVOCs.

3.3.1.1 Chlorinated Ethanes

The chlorinated ethanes present in groundwater at the Site are 1,1,1-trichloroethane (111-TCA), 1,1-dichloroethane (111-DCA), and chloroethane. 111-TCA is a primary solvent that was used in many industrial applications. 111-TCA degrades to 11-DCA anaerobically by biologically-mediated reductive dechlorination under methanogenic conditions. 111-TCA also degrades to 1,1-dichloroethene (11-DCE, an ethene) by dehydrohalogenation, which is an abiotic elimination reaction common in groundwater. Under conditions favorable to sequential reductive dechlorination, 11-DCE may degrade further to chloroethene (vinyl chloride, VC) and 11-DCA may degrade to chloroethane (CEA). Biodegradation of 11-DCE to VC requires sulfate-reducing or methanogenic (i.e., anaerobic) conditions that may exist in some areas of the Site. An alternative source of 11-DCA in groundwater is as an impurity in the manufacture of 111-TCA, where 11-DCA was used as an intermediate, rather than from degradation of 111-TCA.

3.3.1.2 Chlorinated Ethenes

The chlorinated ethenes present in groundwater at the Site are trichloroethene (TCE), cis-1,2-dichloroethene (c12-DCE), 11-DCE, and VC. Like 111-TCA, TCE is a primary solvent that was used in various industrial applications. TCE degrades preferentially to c12-DCE or to trans-1,2-dichloroethene under conditions favorable to biologically-mediated reductive dechlorination. As noted in Section 3.3.1.1, 11-DCE (an ethene) is created by abiotic dehydrohalogenation of 111-TCA (an ethane). VC is created by sequential reductive dechlorination of both c12-DCE and 11-DCE.

3.3.1.3 Other Compounds

Other compounds present in groundwater at the Site include methylene chloride (dichloromethane, DCM), Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane), and Freon 123a (1,2-dichloro-1,2,2-trifluoroethane), which is created by the reductive dechlorination of Freon 113 in groundwater. In 2017, Freon 113 and Freon 123a were detected in limited areas of both the alluvial and till/bedrock zones with the highest concentrations in the till/bedrock zone at monitoring well 609 in the central part of the P001 Area and at extraction well 415 in the Tank Farm Area as listed on Table 2-1.

In the case of methylene chloride, which degrades both aerobically and anaerobically and is rarely transported beyond the immediate vicinity of a source zone, its distribution is limited to a few wells in the Tank Farm Area and P001 Area.

3.3.1.4 Standardization of Chlorinated Ethane and Ethene Concentrations

As noted above, degradation of 111-TCA and TCE, the principal groundwater contaminants at the Site, can occur biotically or abiotically under either aerobic or anaerobic conditions. Due to the complexity of possible degradation pathways and rates, characterizing the spatial and temporal changes in concentrations of chlorinated ethanes and ethenes can be difficult if one only examines the individual chemical species (i.e., 111-TCA, 11-DCA, 11-DCE, TCE, c12-DCE, VC, etc.). Therefore, rather than preparing separate isoconcentration contour maps and concentration vs. time trend graphs for each chemical species, this report presents chemical concentration maps showing a standardized sum of specific related CVOC concentrations adjusted to account for the loss of chlorine ions via mechanisms such as anaerobic biodegradation and abiotic dehydrogenation. As

explained below, this standardization procedure was performed by expressing the concentrations of CVOCs related through chemical degradation in terms of the parent chemicals 111-TCA and TCE.

The standardized <u>TCA-series concentration</u> was calculated by multiplying concentrations of 11-DCA, 11-DCE, and chloroethane by the ratio of the molecular weight of 111-TCA to the molecular weight of each degradation product, and then summing the products. In this way, all of the dissolved concentrations of 111-TCA, 11-DCA, 11-DCE, and chloroethane in groundwater for a particular sample were expressed as a total TCA-series concentration, thereby approximating the concentration of 111-TCA which theoretically could have been measured if 111-TCA had not been degraded. (Note: Although 11-DCE is an ethene compound, it was included in the TCA-series group of CVOCs because its source at the Site is believed to be primarily from degradation of 111-TCA, an ethane compound).

The same procedure was performed for the ethene compounds such that TCE, c12-DCE, and vinyl chloride concentrations were expressed as a total <u>TCE-series concentration</u>.

The formulas for calculating these series concentrations are shown on Figures 3-1 through 3-4, which are sets of isoconcentration contour maps for these standardized TCA-series and TCE-series parameters. The isoconcentration contour limits shown on these maps are based on the NYSGQS, which is 5 ug/L for all of the TCA-series and TCE-series parameters except vinyl chloride, for which the NYSGQS is 2 ug/L. The isoconcentration contour intervals are 5, 50, 500, and 5000 ug/L, in keeping with the order-of-magnitude convention for showing concentrations of CVOC plumes in plan view.

3.3.2 Tank Farm Area and Parking Lot 001 Area

The following discussion focuses on the groundwater chemistry of the alluvial and till/bedrock zones in the Tank Farm Area and Parking Lot 001 Area in the northern part of the Site.

3.3.2.1 Alluvial Zone Chemistry

Figures 3-1 and 3-2 are isoconcentration contour maps showing the distribution of TCA- and TCE-series parameters in the alluvial zone, which includes sand and gravel units of glacial origin, as well as the geologically-more recent alluvium. These figures do not show isoconcentration contours east

of the P001 Area and in the Tank Farm Area because the alluvial zone is generally absent or not well-defined in those areas. (As noted in Section 3.2.1, fill and till lie directly on top of bedrock in most of the Tank Farm Area.) Figures 3-1 and 3-2 show plumes of both TCA- and TCE-series parameters centered on an area of concentrations historically greater than 1,000 ug/L, but now less than 500 ug/L in the vicinity of wells 325 and 613. These same constituents also are present in on-Site wells 398, 602, 603, and 608 in the extreme western portion of the P001 Area north of Building 352 and southwest of the Moore Tire property. East of the groundwater flow divide shown on Figures 3-1 and 3-2, the TCA- and TCE-series plumes are captured by P001 Area extraction well 414. The groundwater flow divides on Figures 3-1 and 3-2 are the same as the divides shown on the groundwater elevation contour map for the alluvial zone (Figure 1-3).

3.3.2.2 Till/Bedrock Zone Chemistry

Figures 3-3 and 3-4 are isoconcentration contour maps showing the distribution of TCA- and TCE-series parameters in the till/bedrock zone. These figures show TCA-series and TCE-series plumes in the northern part of the Site extending from the Tank Farm Area source westward toward the P001 Area extraction wells and across Lakeview Parkway onto the Moore Tire property west of the P001 Area extraction wells. Plume concentrations greater than 500 ug/L in the Tank Farm Area are captured by extraction well 415. P001 Area extraction wells 413, 414, and 416 intercept groundwater plumes in the till/bedrock zone between the extraction well 415 capture zone and the western groundwater flow divide near Lake View Parkway. These flow divides are identical to those shown on the groundwater elevation contour map for the till/bedrock zone (Figure 1-2).

The off-Site portion of the plume west of the P001 Area and near Moore Tire is not being effectively captured by on-site groundwater extraction from the till/bedrock zone. Concentration trends for contaminants of concern in this area have been flat or increasing in recent years. Beginning in late 2017, IBM began assessing options to address the off-Site portion of this plume, including supplementing, enhancing, and/or replacing the existing groundwater extraction wells in the P001 Area, and evaluating the feasibility of *in situ* remedial alternatives in the Tank Farm source area. These activities will continue in 2018 and the findings of the preliminary remedial assessment will be provided to NYSDEC for comment prior to further assessment or implementation of remedial measures.

Figure 3-5 shows the distribution of methylene chloride in October 2017 in the till/bedrock zone. Methylene chloride was detected in only a few wells shown on Figure 3-5. The maximum concentration of methylene chloride detected in 2017 was 8.7 ug/L at monitoring well 612 and the small methylene chloride plume that remains appears to be captured by extraction well 414, where methylene chloride was not detected.

3.3.3 Southern Areas

The following discussion focuses on the groundwater chemistry of the alluvial and till/bedrock zones in the southern part of the Site, including the former Waste Management Area, Southern Boundary and Western Boundary Areas, Tower View Drive and Mirror Lake Area. Methylene chloride was not detected in the southern part of the Site and therefore was not contoured separately.

3.3.3.1 Alluvial Zone Chemistry

Figures 3-1 and 3-2 are isoconcentration contour maps showing the distribution of TCA- and TCE-series parameters in July 2017 in the alluvial zone of the former Waste Management Area, Southern Boundary and Western Boundary Areas. East of these areas, Figures 3-1 and 3-2 show the distribution of TCA- and TCE-series parameters in July 2017 in the alluvial zone of the Tower View Drive and Mirror Lake Areas.

Figure 3-1 shows a TCA-series plume in the central part of the former Waste Management Area where several surface impoundments for treating manufacturing process wastes were located. (These surface impoundments were removed in the late 1980s.) TCA-series parameters were also detected at monitoring wells 101, 318, 319, 323, 625, and 627 in the Southern Boundary Area. However, TCA-series parameters were not detected farther south in off-Site wells 540, 541, and 542 in July 2017.

Figure 3-2 shows a TCE-series plume in the central part of the former Waste Management Area where the surface impoundments were located. In contrast to the TCA-series plume, Figure 3-2 shows a plume with TCE-series concentrations ranging from 1.2 ug/L at well 101 to 110 ug/L at well 318 in the Southern Boundary Area. The northern part of this plume is captured by extraction well 404. Unlike the TCA-series plume, TCE-series parameters were detected off-Site in the

alluvial zone, south of the Southern Boundary Area in the Route 17C interchange, where concentrations of CVOCs greater than 1 ug/L but less than the NYSGQS were detected at wells 541, 542, and 543 in July 2017, as shown on Figure 3-2.

Figure 3-1 shows a TCA-series plume with the highest concentrations in the central Tower View Drive and Mirror Lake Areas. TCA-series concentrations at well 621 (200 ug/L, Figure 3-1) on the north side of Tower View Drive and at well 623 on Lake View Parkway (74 ug/L, Figure 3-1), together with groundwater flow directions shown on Figure 1-3, suggest that this plume is captured by extraction wells 404 and 405 in the former Waste Management Area. The southern limit of the TCA-series plume in the Tower View Drive and Mirror Lake Areas lies north of shallow monitoring well 374 on the north side of Mirror Lake (Figure 3-1), where concentrations are typically at or below the limits of detection (0.1 ug/L for individual CVOC species). Well 374 monitors a shallow alluvial unit that is different from the alluvial zone outwash unit monitored by other wells in the southern part of the Site.

Detections of TCE-series constituents in the Tower View Drive and Mirror Lake Areas were limited to two wells, as shown on Figure 3-2: well 309 (9.8 ug/L) which monitors the lower part of the till, and well 621 (2.2 ug/L), which is screened in the alluvial zone. These detections are insufficient for interpolating or inferring a connection to the TCE-series plumes in the former Waste Management Area (Figure 3-2).

3.3.3.2 Till/Bedrock Zone Chemistry

Figures 3-3 and 3-4 show the TCA- and TCE-series isoconcentration contours for the till/bedrock zone in the southern areas. With regard to the distribution of TCA-series parameters in the southern part of the Site, Figure 3-3 shows two apparent plume source areas: (1) off-Site west of Barnes Creek near wells 160 and 162, and (2) on-Site in the northern part of the former Waste Management Area near well 148 east of Building 352 and northeast of Buildings 350/351 (designated "Old WTP" on the maps). The source of the off-Site plume west of Barnes Creek is the former Robintech/Compudyne site at 1200 Taylor Road (NYSDEC Site Code 754007), now owned by Sanmina-SCI. The presence of 111-TCA, TCE and their degradation products at the Sanmina-SCI site is unrelated to the former IBM Owego site and has been attributed to a former chemical storage area located beneath a portion of Sanmina-SCI's main manufacturing building. A third apparent

source area lies on-Site to the east in the Tower View Drive and Mirror Lake Areas. Figure 3-3 shows this apparent source area near the southern end of Building 002. The TCA-series plumes in the Tower View Drive and Mirror Lake Areas, and in the former Waste Management Area merge south of the Old WTP, and are ultimately captured by extraction well 404 (Figure 3-3).

The TCE-series isoconcentration contour map for the till/bedrock zone in the western part of the southern areas is shown on Figure 3-4. Consistent with the map showing the distribution of TCA-series parameters (Figure 3-3), Figure 3-4 shows a plume with concentrations greater than 100 ug/L being drawn onto the Site from the west at monitoring wells 160 and 162 and a plume centered on the Old WTP. Detections of TCE-series parameters in the Southern Boundary Area south of extraction well 404 were less than the NYSGQS in 2017. Detections of TCE-series parameters in the Tower View Drive and Mirror Lake Areas (Figure 3-4) were also less than the NYSGQS, except at well 619 between Buildings 101 and 201, which is the same apparent source area as the TCA-series plume shown on Figure 3-3 for the till/bedrock zone.

3.3.4 Graphical and Statistical Evaluations

In addition to evaluating the maximum concentrations of individual CVOCs in groundwater relative to groundwater standards (Table 2-1), trends in the concentration of CVOCs in groundwater were evaluated graphically using plots of concentration vs. time, and statistically, using non-parametric tests.

3.3.4.1 Concentration vs. Time

Graphs of TCA- and TCE-series concentrations versus time for key monitoring and extraction wells for the years 2000 through 2017 are shown on Plate 3-1. The monitoring wells are located near the boundaries of the Site in the P001 Area, Tank Farm Area, Southern Boundary Area, former Waste Management Area, and off-Site in the Moore Tire Area. They represent wells that are sampled quarterly in accordance with the sampling plan presented in Appendix D.

3.3.4.2 Statistical Tests for Trend

Concentration trends in many of the wells shown on Plate 3-1 are apparent by inspection of the concentration vs. time graphs. To determine whether the observed graphical trends in chemical

concentrations over time are statistically significant, groundwater analytical chemistry data was evaluated using a non-parametric statistical test, as specified in Section 7.3.3 of the Groundwater Monitoring Plan. This statistical test for trend, the Mann-Kendall test, is based on the concept that a lack of trend should correspond to a time-series plot fluctuating randomly about a constant mean level, without a visually apparent upward or downward pattern. If an increasing trend really exists, then the sample taken first from any randomly selected pair of measurements should have a lower concentration, on average, than the measurement collected at a later time. The Mann-Kendall test does not require that the data be normally distributed and is valid even where data are missing, tied, or censored at the reporting limit (e.g., "not detected at limit X").

ProUCL version 5.1, a statistical software package, was used to identify statistically significant trends at a significance level of $\alpha=0.05$, which corresponds to a confidence limit of 95%. ProUCL was created for USEPA to address statistical issues described in various CERCLA and RCRA guidance documents. The period used for trend analysis was 10 years (as many as 40 quarterly samples) from January 2008 to October 2017. This period was chosen because a change in analytical laboratory occurred at the beginning of 2008 and the reporting limit in undiluted samples was lowered to 0.5 ug/L.

The test results for concentration trends at 19 wells are summarized on Table 3-1 and the ProUCL output is shown in Appendix I. The TCA-series and TCE-series trends were tested separately for each well. As shown on Table 3-1, the concentration trend in 16 of the 38 tests is indeterminate, meaning that a statistically increasing or decreasing trend could not be confirmed.

In the P001 Area, concentrations of TCE-series parameters are increasing over the 10-year test period at till/bedrock zone monitoring well 393 near Lake View Parkway and at extraction wells 413 and 414. The concentration trend for TCA-series parameters at well 393 is also increasing over the same period.

In the Tank Farm Area, concentrations of both TCA-series and TCE-series parameters are decreasing at extraction well 415 (based on nearly nine years of data since the well began pumping in March 2009).

In the off-Site Moore Tire Area, concentrations of TCA- and TCE-series parameters are indeterminate at alluvial zone monitoring wells 529, 532, and 534, and are increasing at till/bedrock zone monitoring well 522. Since most of the detections at wells 529 and 534 are less than 1 ug/L, and there are many non-detects, the results reported by the Mann-Kendall test are not meaningful for assessing concentration trends in these wells.

In the Southern Boundary Area, concentrations of both TCA- and TCE-series parameters in the alluvial zone are decreasing at monitoring wells 625 and 322 near the Site's southern property boundary; these trends are easily confirmed by inspection of the corresponding concentration vs. time graphs on Plate 3-1. The TCA-series trend at well 319 is also decreasing. At well 323 farther to the north, concentrations of TCA-series and TCE-series parameters are indeterminate over the 10-year test period, and there appears to be significant seasonal variation in concentration. North of well 625, concentrations of TCE-series parameters are increasing at well 318. Concentrations of TCE-series parameters are also increasing at well 319.

In the Waste Management Area, the long-term trend in both TCA-series and TCE-series concentrations is decreasing at extraction well 404, which pumps from both the alluvial zone and from the till/bedrock zone. These trends are apparent by inspection. The graphical concentration trends at alluvial zone extraction well 405 (Plate 3-1) are statistically confirmed to be decreasing for TCE-series parameters and indeterminate for TCA-series parameters.

Table 3-1. Statistical Evaluation of Trends in Water Quality at Quarterly Monitoring Wells (2008-2017)

	3						
Site Area	Well	TCA-Series Trend	TCE-Series Trend	Hydrogeologic Zone Monitored			
	393	Increasing	Increasing	Till/Bedrock			
P001 Area	399	None**	None**	Alluvial			
(Monitoring)	606	Decreasing	Decreasing	Alluvial			
	607	None	Decreasing	Till/Bedrock			
	413	None	Increasing	Till/Bedrock			
P001 Area (Extraction)	414	Decreasing	Increasing	Alluvial & Till/Bedrock			
,	416^	None	None	Till/Bedrock			
Tank Farm Area (Extraction)	415*	Decreasing	Decreasing	Till/Bedrock			
	522	Increasing	Increasing	Till/Bedrock			
Moore Tire Area	529	None**	None**	Alluvial			
(Off-Site Monitoring)	532	None	None**	Alluvial			
	534	None**	None**	Alluvial			
	318	None	Increasing	Alluvial			
Southern	319	Decreasing	Increasing	Alluvial			
Boundary Area	322	Decreasing	Decreasing	Alluvial			
(Monitoring)	323	None	None	Alluvial			
	625	Decreasing	Decreasing	Alluvial			
Waste Management	404	Decreasing	Decreasing	Alluvial & Till/Bedrock			
Area (Extraction)	405	None	Decreasing	Alluvial			

The Mann-Kendall test was used to evaluate concentration trends at a significance level of α = 0.05. "None" means that the concentration trend is indeterminate.

[^] Nine quarters of data was available for extraction well 416, which replaced extraction well 412 in mid-2015.

^{*} Nearly nine years of data (35 quarters) from 2009-2017 was available for extraction well 415.

^{**} The Mann-Kendall test result is not meaningful because most detections are less than 1 ug/L and there are many non-detects relative to the number of detections.

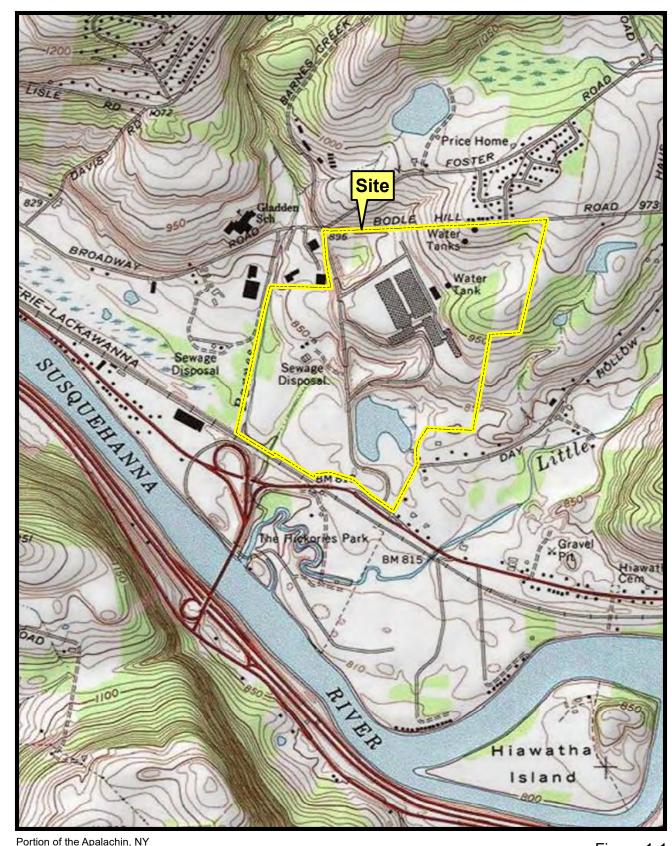
3.3.5 CVOC Mass Removal

Table A-2 in Appendix A shows the dissolved mass of CVOCs pumped by the groundwater extraction wells during 2017 and subsequently removed via the Site's packed-column air stripping tower. The total CVOC mass was calculated by multiplying the monthly GTF influent concentration from NPDES compliance sampling by the monthly volume of groundwater pumped through the air stripping tower. [Note: The volume pumped through the air stripper (129.5 Mgal) differs slightly (by about 5%) from the total volume pumped from the extraction wells (122.7 Mgal) due to metering differences.] Based on these calculations, the total CVOC mass removed from groundwater in 2017 was 327 pounds, and the cumulative total CVOC mass removed since 1998 is 7,155 pounds.

3.3.6 Maps of Total CVOCs, 111-TCA, and TCE

As required by the GMP, Figure 3-6 shows the total concentration in groundwater of CVOCs on the Site's parameter list for each well, as specified on Table 1-1 of the GMP and Module II, Table II-3 of the Part 373 Permit. The map shows results for wells in northern areas that were sampled during the fourth quarter of 2017 and for wells in southern areas that were sampled during the third quarter of 2017. The total CVOC value posted at each well has been rounded to two significant figures (or to one significant figure if less than 1 ug/L).

As required by the GMP, Figures 3-7 and 3-8 show the distribution of 111-TCA and TCE, respectively, and not the sum of their transformation series component CVOCs. The approximate boundaries of both the alluvial and till/bedrock zone plumes at a limit of the NYSGQS (5 ug/L) are not shown on these maps. However, these boundaries would be similar to the plume limits shown on the TCA- and TCE-series isoconcentration maps (Figures 3-1 through 3-4) because 111-TCA and TCE are significant contributors to the total CVOC concentration at most of the monitoring wells.



Portion of the Apalachin, NY USGS 7.5-Minute Quadrangle Copyright:© 2013 National Geographic Society, i-cubed



Figure 1-1



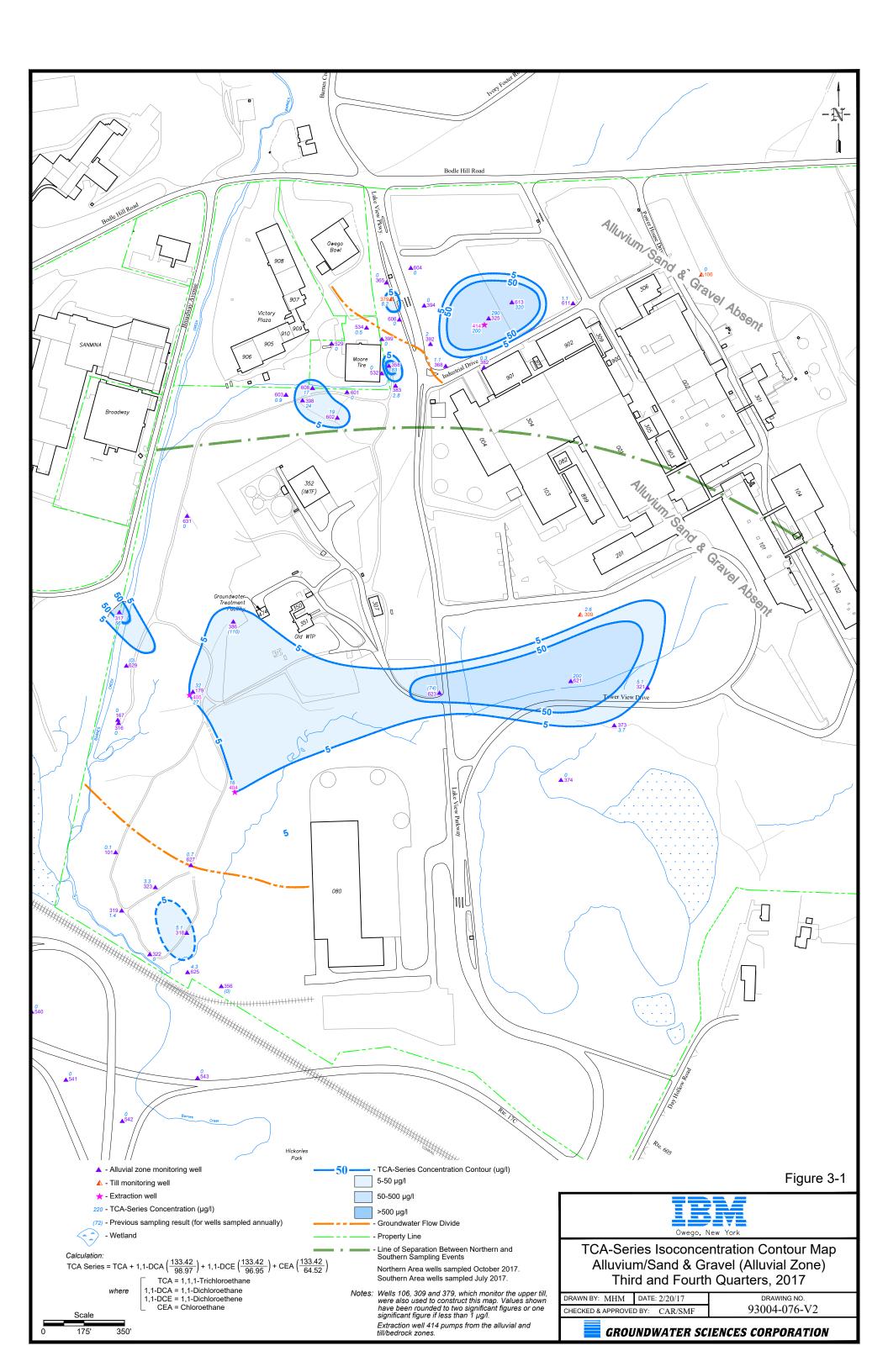
Site Location Map

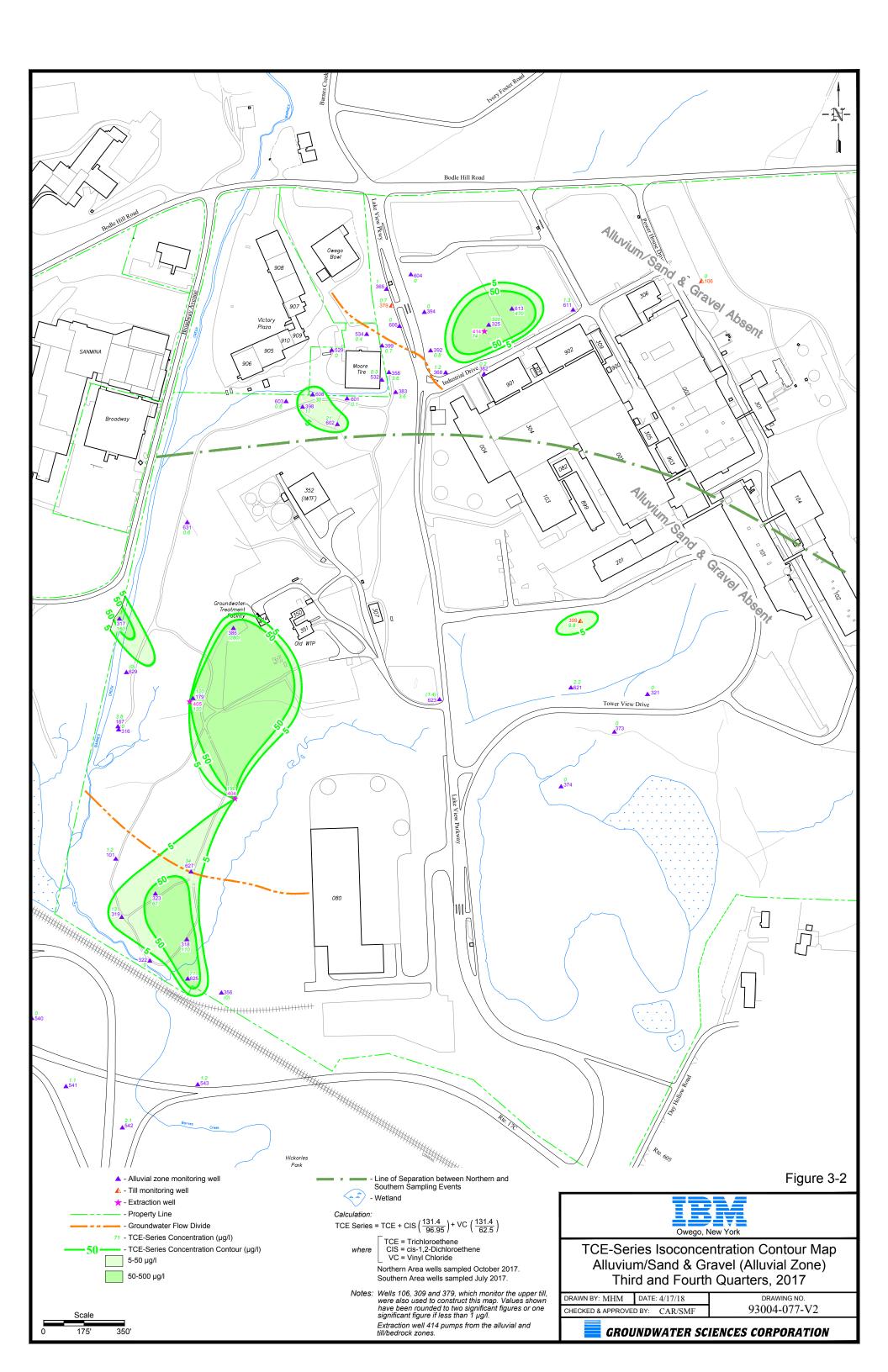
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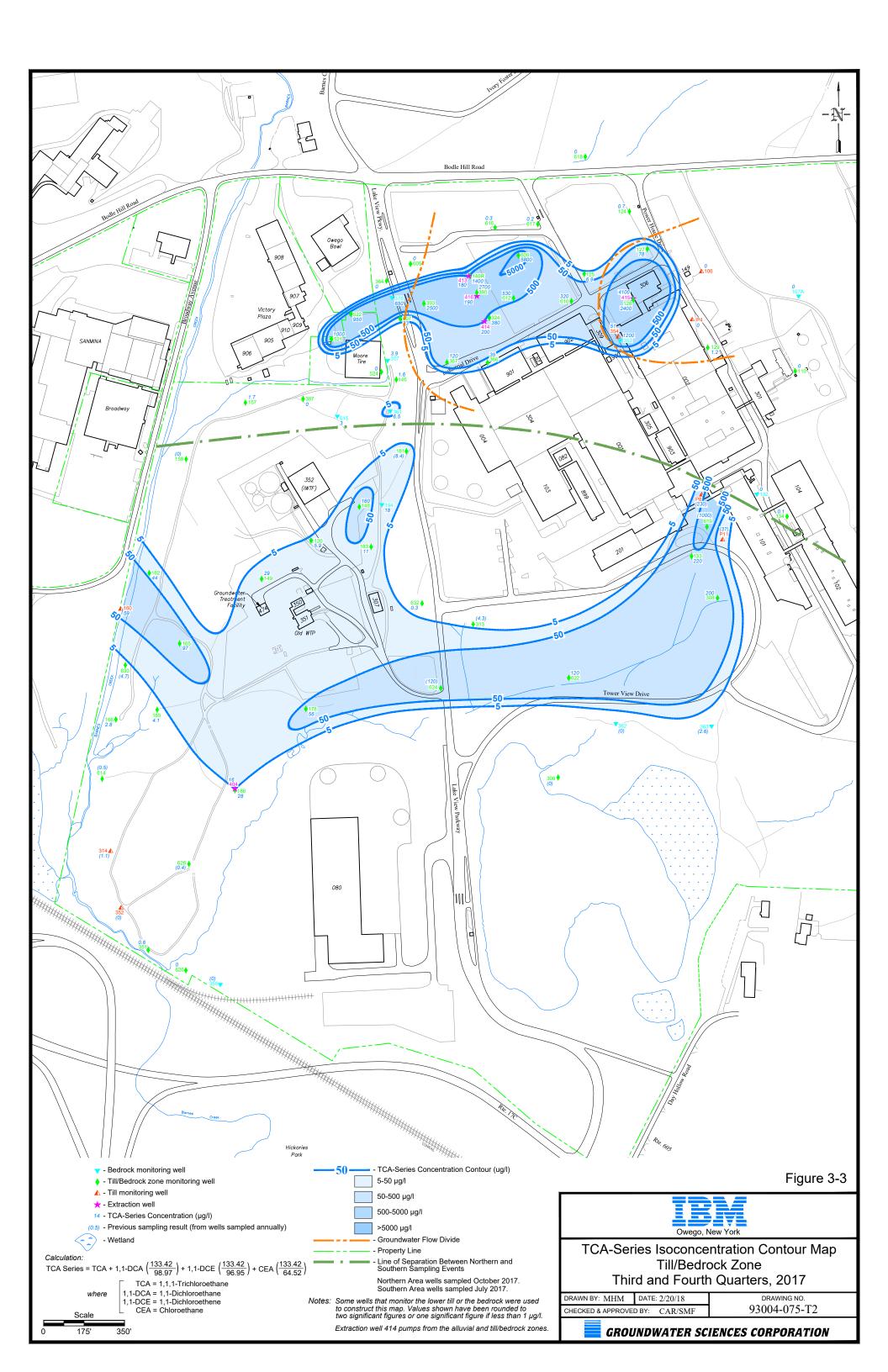
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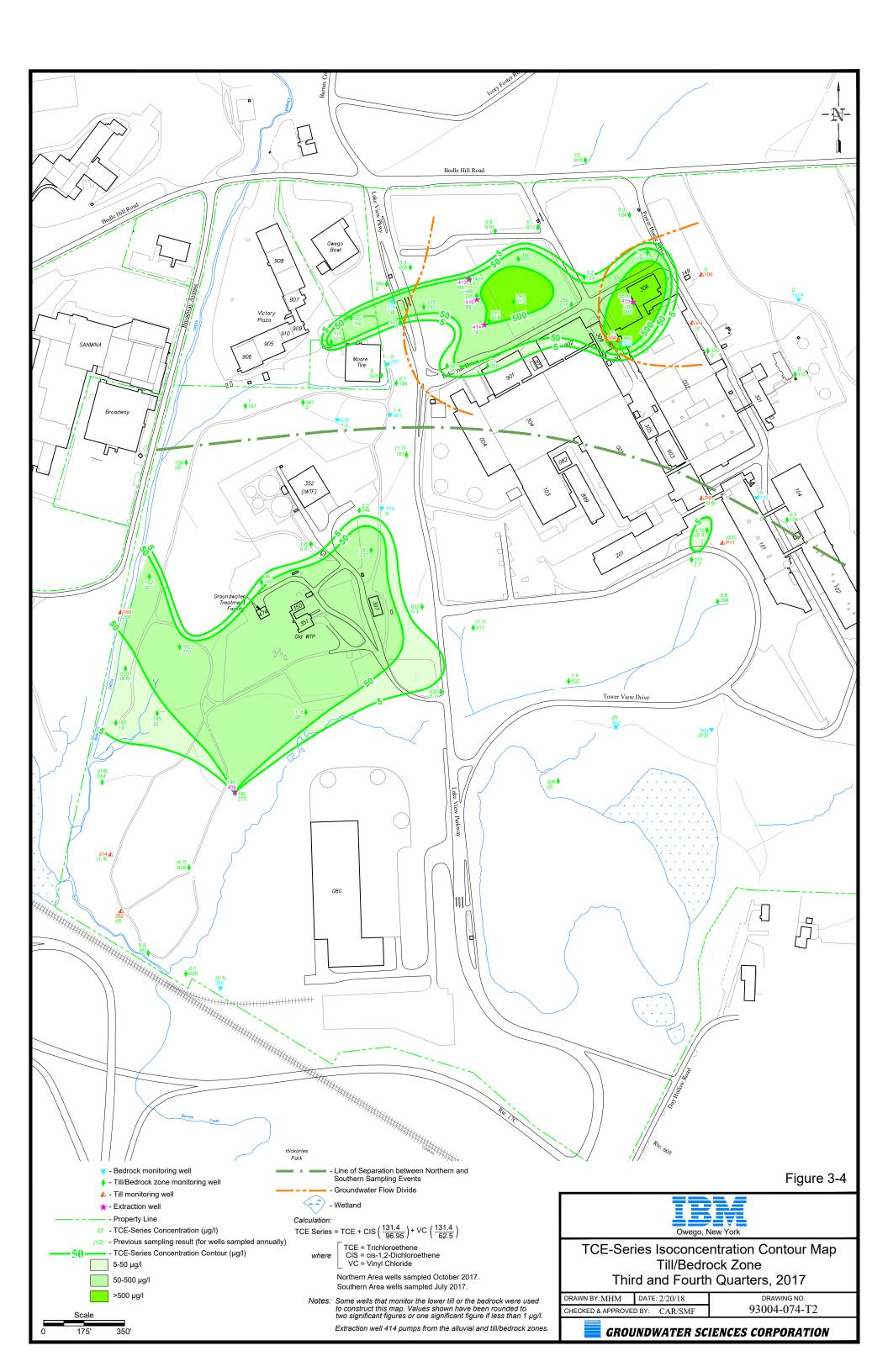


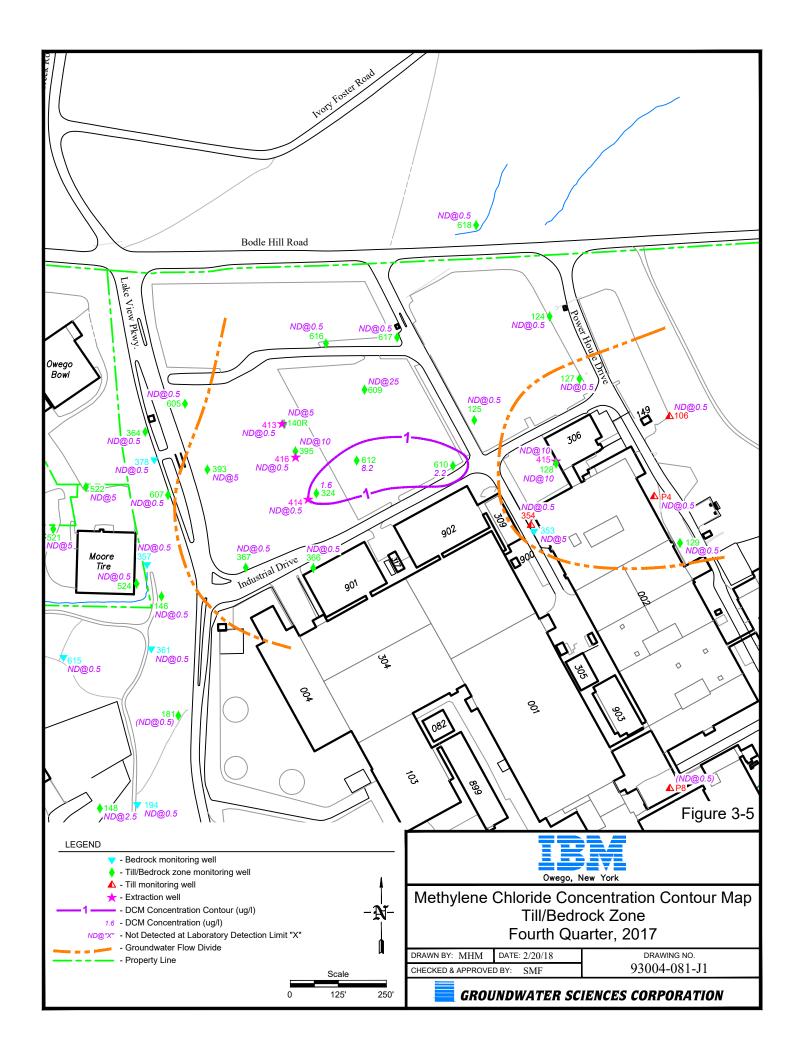


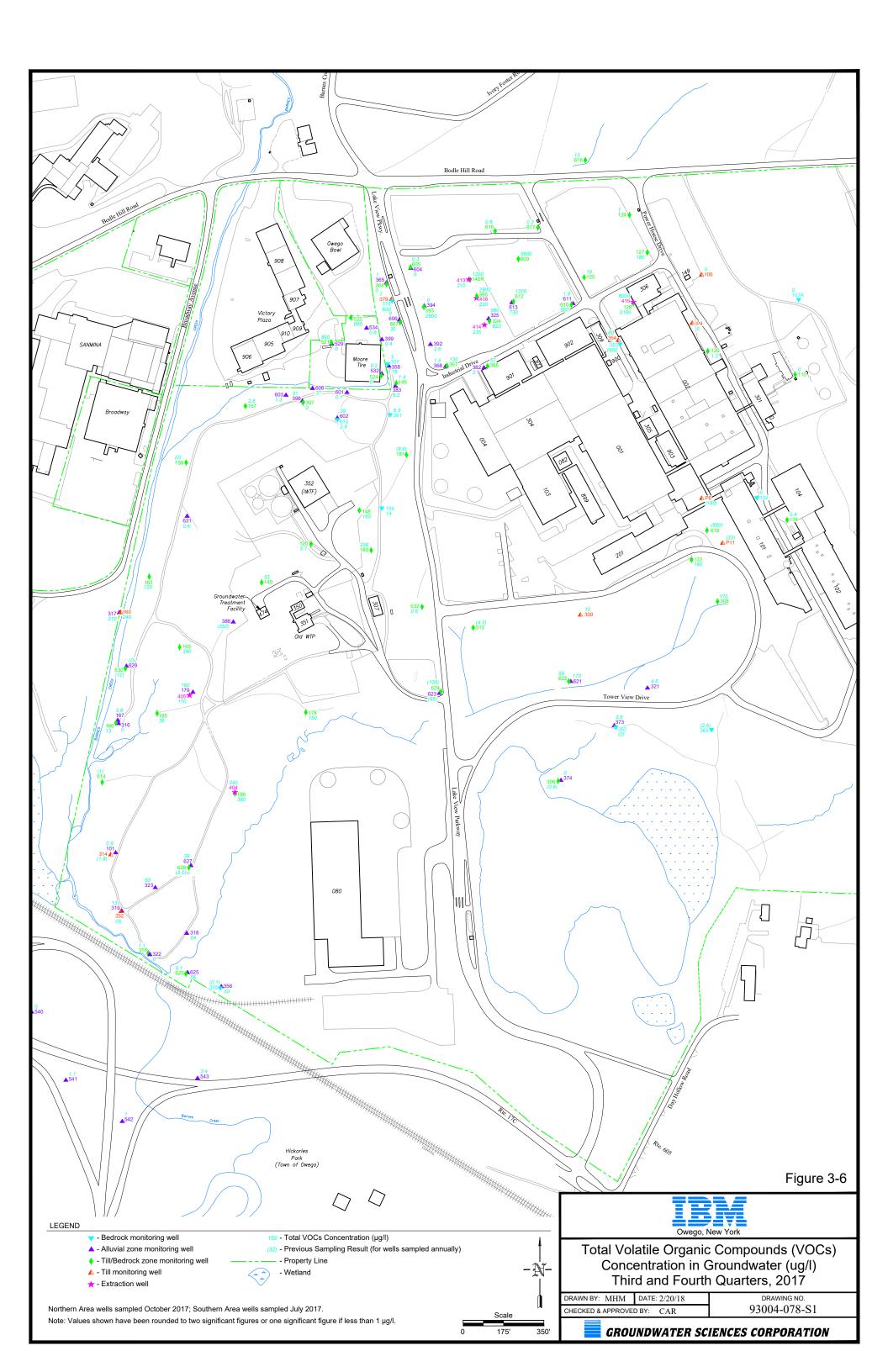


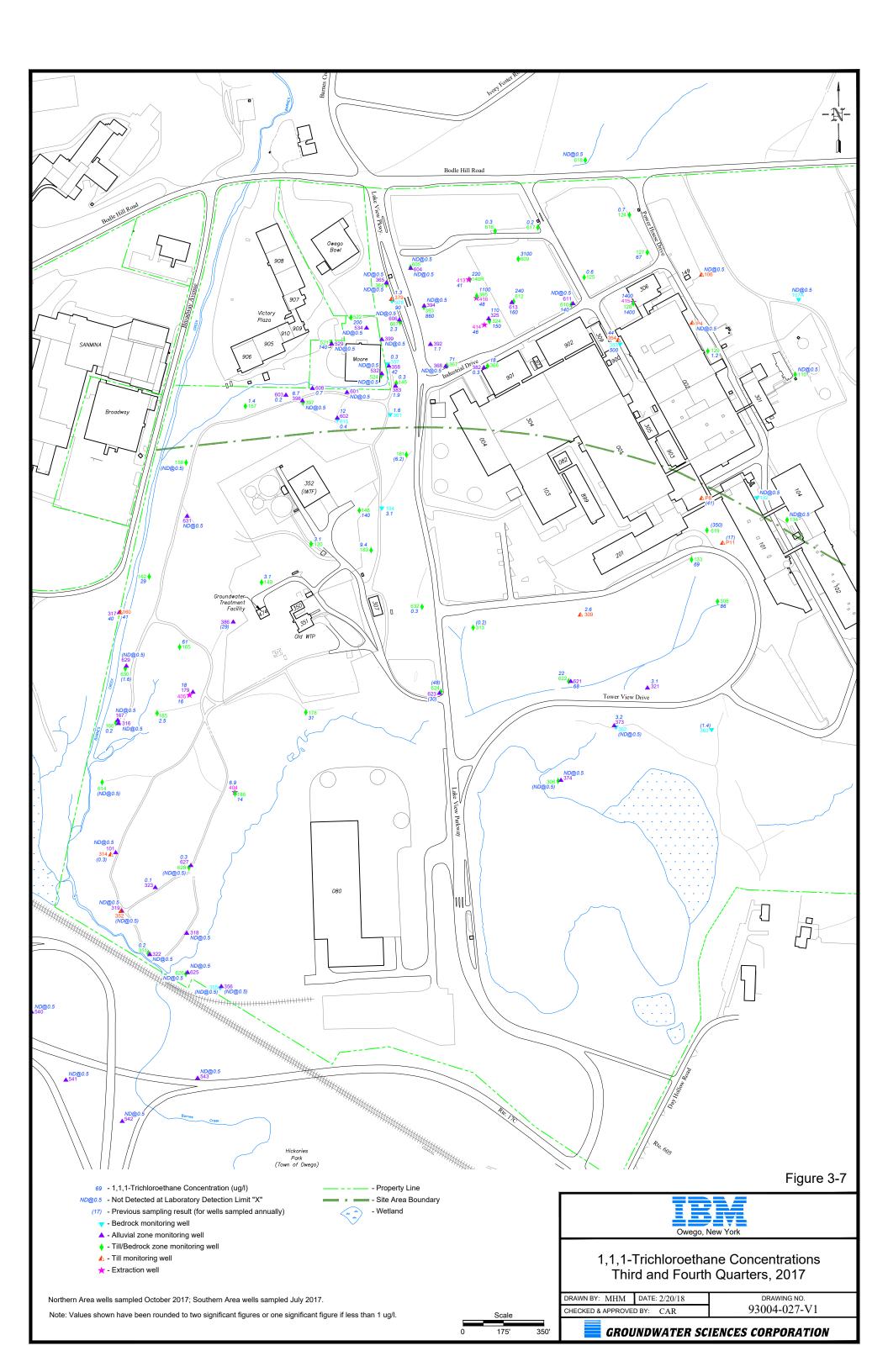


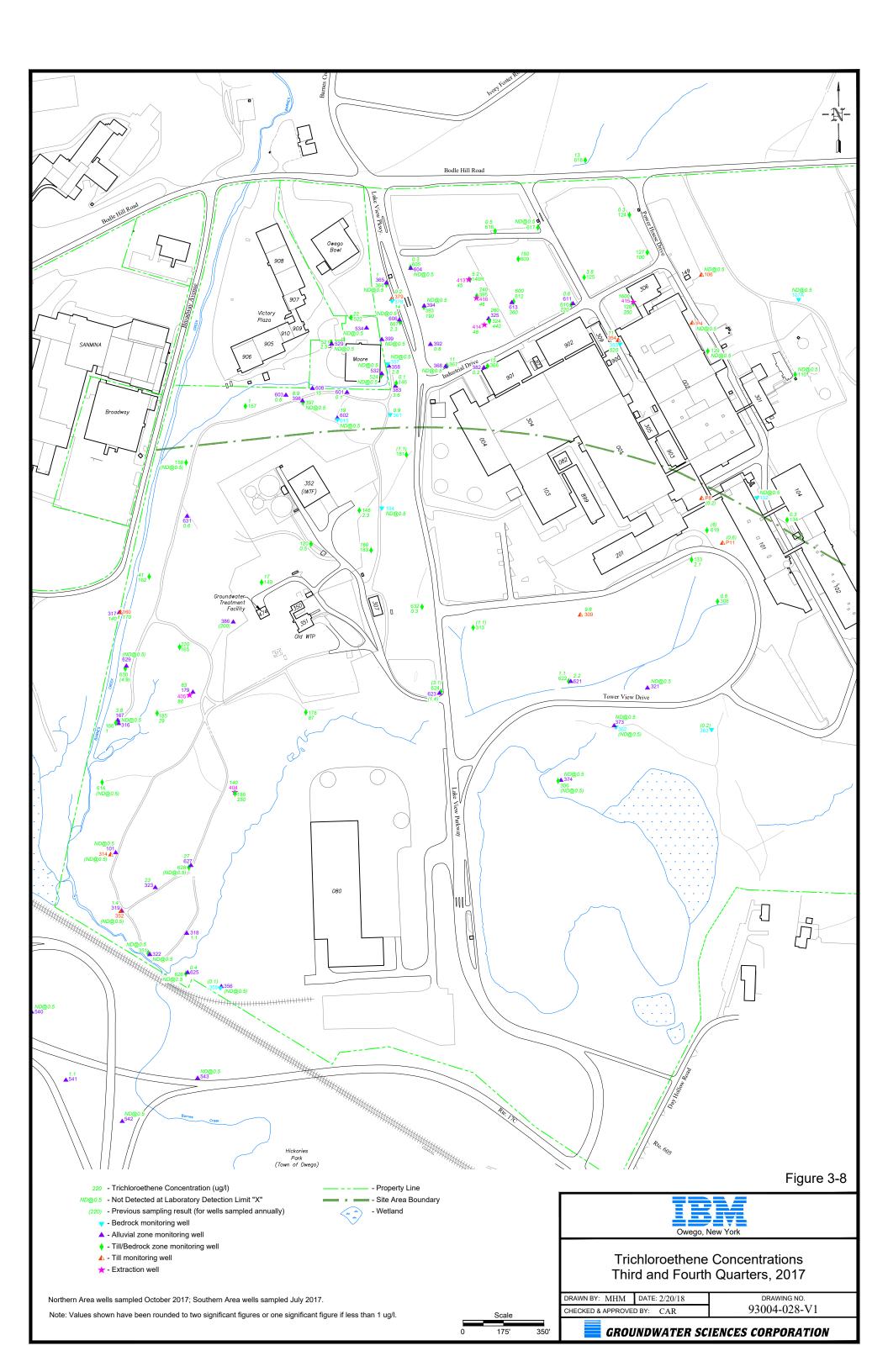


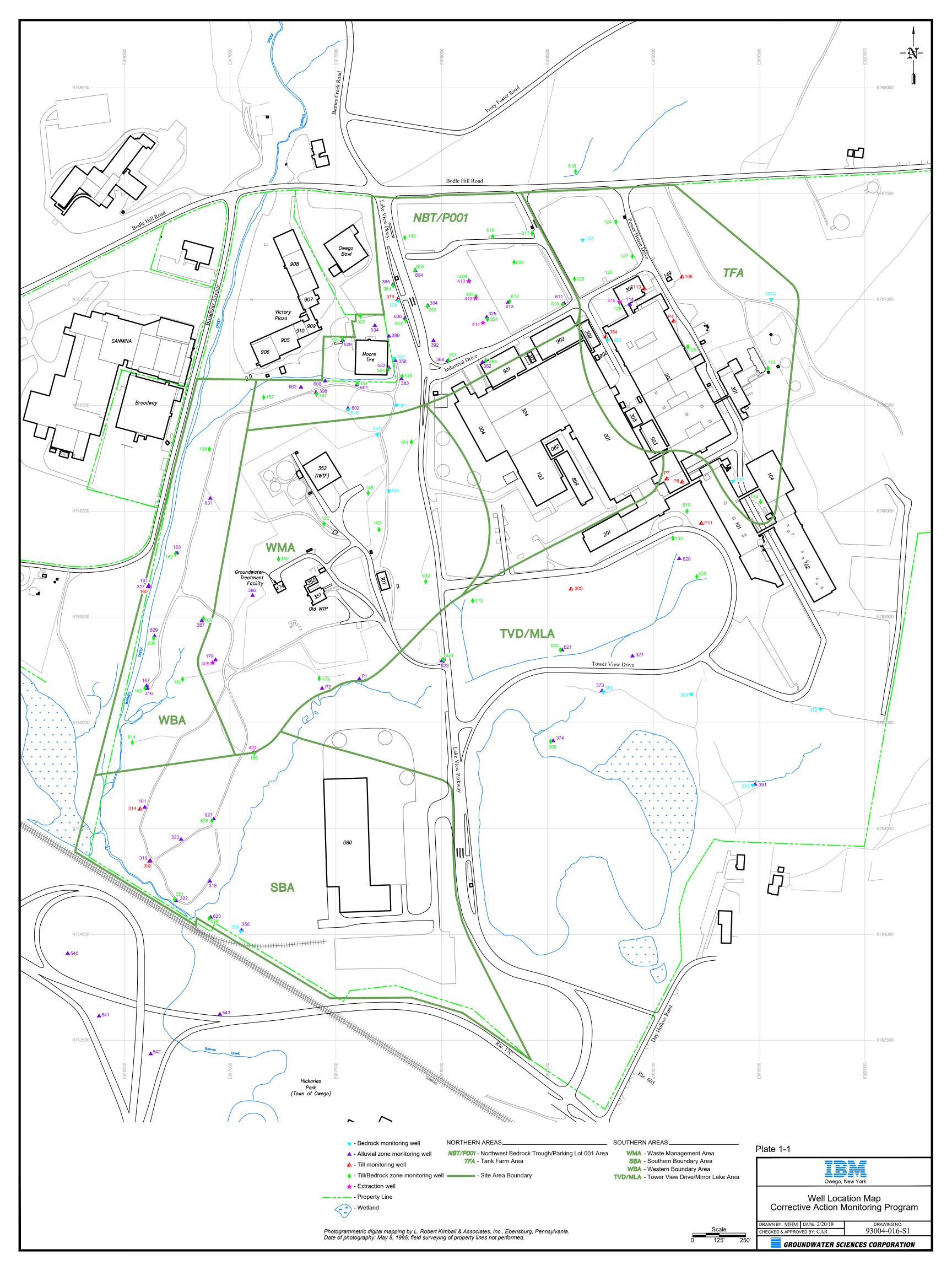


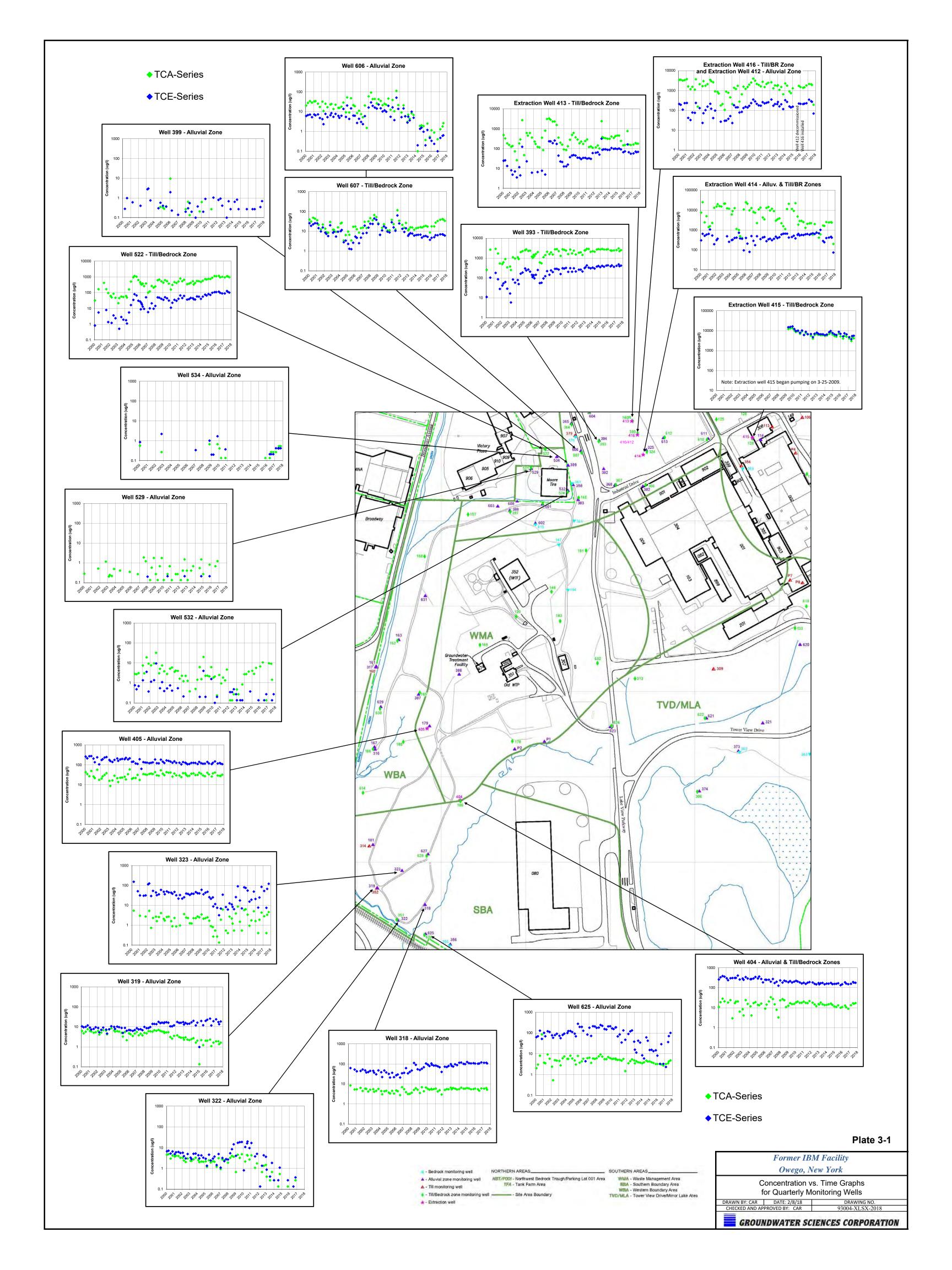












APPENDIX A

TABLE A-1: EXTRACTION WELL PUMPING VOLUMES TABLE A-2: VOC MASS REMOVAL CALCULATIONS January 2017 – December 2017

Table A-1: 2017 Extraction Well Pumping Volumes (gallons) Former IBM Facility, Owego, New York

Month	Waste Mar Are	_	Park	ing Lot 001 A	irea	Tank Farm Area	Site Total
	404	405	414	413	416	415	
Jan-17	4,845,329	5,574,729	37,798	223,611	13,886	36,627	10,731,980
Feb-17	4,677,832	5,465,002	79,608	271,184	11,579	36,757	10,541,963
Mar-17	5,202,563	8,218	36,042	11,162,412			
Apr-17	4,940,674	5,945,589	137,611	305,006	15,734	46,508	11,391,122
May-17	4,897,408	6,122,761	109,863	289,043	19,386	44,409	11,482,870
Jun-17	5,112,956	5,673,663	112,401	247,823	15,935	35,192	11,197,970
Jul-17	4,904,959	5,589,456	77,372	181,300	10,920	33,230	10,797,237
Aug-17	4,754,296	5,332,825	66,901	177,061	12,264	27,445	10,370,792
Sep-17	4,451,168	4,163,050	76,226	185,016	12,862	34,052	8,922,373
Oct-17	4,629,300	2,776,441	60,318	149,829	12,119	27,620	7,655,627
Nov-17	4,482,538	3,081,118	81,775	137,484	9,499	29,751	7,822,164
Dec-17	4,508,319	5,356,390	75,422	158,013	17,257	26,616	10,142,019
	*Figures in italic	s were calcula	ted from totalizer re	eadings of flow met	ters.	Total	122,218,527

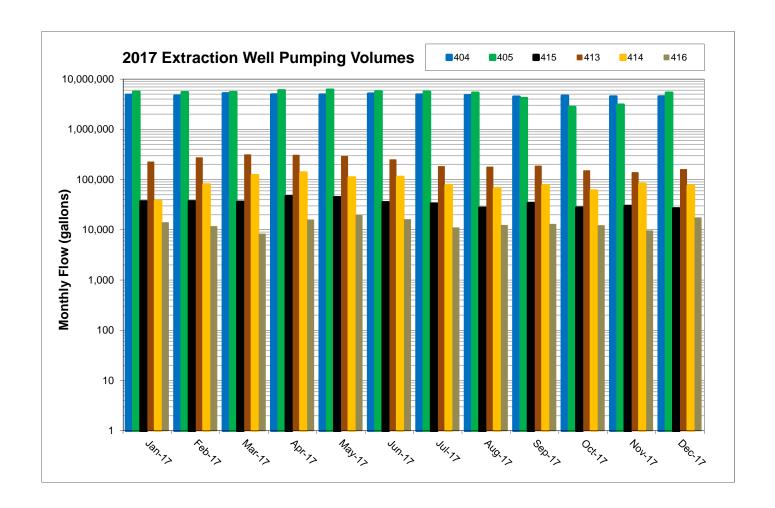


Table A-2: 2017 VOC Mass Removal Calculations Former IBM Facility, Owego, New York

Chemical Concentrations (ug/l)

		CHEIII	cai co	ncentra	itions (ug/i)							1
Location	Period	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	1,1,2-Trichloro-1,2,2- Trifluoroethane (Freon 113)	1,2-Dichloro-1,2,2- Trifluoroethane (Freon 123a)	Other VOCs	Volume Pumped (gallons)
	Qtr 1	0.1	120.0	27.0	0.3	5.8	4.5	1.1	0.0	32.0	7.2	1.0	14,725,724
Well 404	Qtr 2	0.2	150.0	31.0	0.3	7.1	5.8	1.3	0.0	40.0	9.3	2.8	14,951,038
Well 404	Qtr 3	0.2	140.0	29.0	0.2	6.9	5.1	1.4	0.0	43.0	8.1	1.3	14,110,423
	Qtr 4	0.2	140.0	27.0	0.2	7.8	5.4	1.5	0.0	40.0	7.7	1.1	13,620,157
	Qtr 1	0.4	87.0	22.0	0.0	16.0	5.6	3.9	0.0	50.0	3.2	0.2	16,522,753
Well 405	Qtr 2	0.4	94.0	22.0	0.0	16.0	4.9	4.0	0.0	35.0	3.6	8.0	17,742,013
	Qtr 3	0.3	86.0	22.0	0.0	16.0	4.0	4.4	0.0	31.0	2.4	0.1	15,085,331
	Qtr 4	0.3	80.0	21.0	0.0	20.0	3.7	5.2	0.0	23.0	1.6	0.1	11,213,949
	Qtr 1	0.1	38.0	13.0	1.1	38.0	80.0	12.0	0.3	3.9	1.5	0.1	805,423
Well 413	Qtr 2	0.2	47.0	16.0	1.3	42.0	95.0	15.0	0.3	4.0	1.7	0.2	841,871
	Qtr 3	0.2	43.0	16.0	1.0	41.0	87.0	16.0	0.2	4.2	1.6	0.1	543,377
	Qtr 4	0.2	45.0	16.0	1.1	41.0	86.0	15.0	0.3	4.8	1.6	0.1	445,326
	Qtr 1	1.9	290.0	76.0	11.0	550.0	1300.0	68.0	1.7	72.0	26.0	0.0	239,345
Well 414	Qtr 2	2.1	310.0	90.0	12.0	490.0	1400.0	81.0	1.8	59.0	30.0	0.0	359,875
11011 414	Qtr 3	2.3	280.0	81.0	9.8	490.0	1300.0	75.0	1.3	53.0	26.0	0.0	220,499
	Qtr 4	0.2	48.0	17.0	1.2	46.0	100.0	13.0	0.3	5.5	1.9	0.1	217,515
	Qtr 1	13.0	1400.0	2200.0	170.0	1200.0	1100.0	980.0	0.0	130.0	0.0	6.3	109,426
Well 415	Qtr 2	9.7	1100.0	1800.0	96.0	1000.0	850.0	640.0	0.0	84.0	6.8	4.5	126,109
11011 410	Qtr 3	14.0	1600.0	2600.0	140.0	1600.0	1200.0	1100.0	0.0	130.0	8.2	8.1	94,727
	Qtr 4	18.0	1600.0	2700.0	150.0	1400.0	1100.0	920.0	0.0	110.0	8.2	9.0	83,987
	Qtr 1	1.1	220.0	80.0	8.8	530.0	1100.0	67.0	1.9	55.0	20.0	0.0	33,683
Well 416	Qtr 2	0.0	140.0	97.0	8.4	600.0	1000.0	75.0	2.1	46.0	13.0	0.0	51,055
11011 410	Qtr 3	0.0	130.0	93.0	7.3	590.0	890.0	79.0	1.5	42.0	11.0	0.0	36,045
	Qtr 4	0.2	46.0	16.0	0.8	48.0	100.0	5.1	0.3	4.6	1.6	0.2	38,875
Dawar	Qtr 1	0.0	0.1	0.0	0.2	29.0	38.0	3.7	0.3	12.0	1.9	0.0	143,124
Power House	Qtr 2	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	129,926
Sump	Qtr 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121,348
	Qtr 4	0.0	0.2	0.0	0.2	45.0	72.0	4.4	0.3	9.6	2.0	0.0	114,564
					·					·	·		

Totals 122,727,489 gallons

Pounds of Chemicals Remo	oved
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Location	Period	thene	0	hene		9							_	5
		Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	1,1,2-Trichloro-1,2,2- Trifluoroethane (Freon 113)	1,2-Dichloro-1,2,2- Trifluoroethane (Freon 123a)	Other VOCs	Total VOCs Removed (pounds)	Pounds Removed (January - December 2017)
	Qtr 1	0.01	14.76	3.32	0.04	0.71	0.55	0.14	0.00	3.93	0.89	0.12	24.47	109.4
Well 404	Qtr 2	0.02	18.73	3.87	0.04	0.89	0.72	0.16	0.00	4.99	1.16	0.35	30.94	
Well 404	Qtr 3	0.02	16.50	3.42	0.02	0.81	0.60	0.16	0.00	5.07	0.95	0.15	27.71	
	Qtr 4	0.02	15.92	3.07	0.02	0.89	0.61	0.17	0.00	4.55	0.88	0.13	26.26	
	Qtr 1	0.06	12.00	3.04	0.00	2.21	0.77	0.54	0.00	6.90	0.44	0.03	25.98	88.2
Well 405	Qtr 2	0.06	13.93	3.26	0.00	2.37	0.73	0.59	0.00	5.19	0.53	0.12	26.77	
Well 403	Qtr 3	0.04	10.83	2.77	0.00	2.02	0.50	0.55	0.00	3.90	0.30	0.01	20.93	
	Qtr 4	0.03	7.49	1.97	0.00	1.87	0.35	0.49	0.00	2.15	0.15	0.01	14.50	
	Qtr 1	0.00	0.26	0.09	0.01	0.26	0.54	0.08	0.00	0.03	0.01	0.00	1.26	4.6
Well 413	Qtr 2	0.00	0.33	0.11	0.01	0.30	0.67	0.11	0.00	0.03	0.01	0.00	1.57	
Well 413	Qtr 3	0.00	0.20	0.07	0.00	0.19	0.39	0.07	0.00	0.02	0.01	0.00	0.95	
	Qtr 4	0.00	0.17	0.06	0.00	0.15	0.32	0.06	0.00	0.02	0.01	0.00	0.78	
	Qtr 1	0.00	0.58	0.15	0.02	1.10	2.60	0.14	0.00	0.14	0.05	0.00	4.79	16.9
Well 414	Qtr 2	0.01	0.93	0.27	0.04	1.47	4.21	0.24	0.01	0.18	0.09	0.00	7.44	
Well 414	Qtr 3	0.00	0.52	0.15	0.02	0.90	2.39	0.14	0.00	0.10	0.05	0.00	4.27	
	Qtr 4	0.00	0.09	0.03	0.00	0.08	0.18	0.02	0.00	0.01	0.00	0.00	0.42	
	Qtr 1	0.01	1.28	2.01	0.16	1.10	1.01	0.90	0.00	0.12	0.00	0.01	6.58	24.7
Well 415	Qtr 2	0.01	1.16	1.90	0.10	1.05	0.90	0.67	0.00	0.09	0.01	0.00	5.89	
Well 415	Qtr 3	0.01	1.27	2.06	0.11	1.27	0.95	0.87	0.00	0.10	0.01	0.01	6.64	
	Qtr 4	0.01	1.12	1.89	0.11	0.98	0.77	0.65	0.00	0.08	0.01	0.01	5.62	
	Qtr 1	0.00	0.06	0.02	0.00	0.15	0.31	0.02	0.00	0.02	0.01	0.00	0.59	2.1
Well 416	Qtr 2	0.00	0.06	0.04	0.00	0.26	0.43	0.03	0.00	0.02	0.01	0.00	0.84	
Well 410	Qtr 3	0.00	0.04	0.03	0.00	0.18	0.27	0.02	0.00	0.01	0.00	0.00	0.55	
	Qtr 4	0.00	0.01	0.01	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.07	
_	Qtr 1	0.00	0.00	0.00	0.00	0.03	0.05	0.00	0.00	0.01	0.00	0.00	0.10	0.2
Power House	Qtr 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sump	Qtr 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
р	Qtr 4	0.00	0.00	0.00	0.00	0.04	0.07	0.00	0.00	0.01	0.00	0.00	0.13	
		0.3	118.2	33.6	0.7	21.2	20.8	6.8	0.02	37.6	5.6	0.9	246.1	pounds

APPENDIX B

TABLE B-1: WELL SPECIFICATIONS, CORRECTIVE ACTION

MONITORING PROGRAM

TABLE B-2a: HYDRAULIC EFFECTIVENESS MONITORING

WELLS FOR GROUNDWATER ELEVATION

MEASUREMENTS

TABLE B-2b: CONTAMINANT REDUCTION MONITORING

WELLS FOR GROUNDWATER SAMPLING

Table B-1: Well Specifications Corrective Action Monitoring Program

Well	Northing	Easting	Current M.P. Elevation	Current Ground Surface Elevation	Depth to Bedrock	Bedrock Elevation	Screened Denth	Interval	Baseline Depth to Bottom from M.P.	Baseline Elevation of Bottom	Well Diameter	Screen Length	Well Construction Material	Geologic Unit Monitored	Site Area	Up, Down, or Side Gradient
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(ft bgs)	(ft amsl)	(ft	bgs)	(ft)	(ft amsl)	(in)	(ft)				
101	764601.1	916596.6	814.01	811.2	NE	NE	30	- 40	40.95	773.06	6	10	S, 25 slot	Outwash Sand	SBA	DG
106	767106.1	919136.5	914.91	912.9	11.6	901.2	6.3	- 11.6	13.12	901.79	4	5.3	PVC	Till*	TFA	UG
107A	767000.3	919557.6	961.80	960.3	NL	NL	NL	- NL	64.96	896.84	2	NL	PVC	Bedrock	TFA	UG
110 113	766674.6 767051.4	919542.5 918957.9	946.88 914.83	947.9 912.1	15.5 25	931.3 887.0	14.3 4.9	- 19.6 - 10.2	20.11 12.72	926.77 902.11	4	5.3	PVC PVC	Till/Bedrock Till	TFA TFA	UG DG
114	766976.5	918889.9	916.13	913.4	22	891.6	9.4	- 14.7	16.65	899.48	4	5.3	PVC	Fill	TFA	DG
120	765939.9	917443.6	846.20	844.7	24	820.7	20	- 25	39.58	806.62	6	5	OH	Till/Bedrock	WMA	DG
123	765871.9	919093.3	903.96	904.5	18	886.0	19	- 23	21.89	882.07	4	4	PVC	Bedrock	TFA	DG
124 125	767366.9 767096.6	918823.9 918627.9	911.43 905.36	908.5 905.7	20 24	888.4 881.3	19 22	- 23 - 26	25.14 24.86	886.29 880.50	4	4	PVC PVC	Till/Bedrock S & G/Bedrock	TFA TFA	SG
126	767128.9	918825.2	908.95	909.4	22	886.9	21	- 25	23.90	885.05	4	4	PVC	Till/Bedrock	TFA	DG
127	767204.2	918901.6	909.65	909.8	18	891.2	17	- 21	19.54	890.11	4	4	PVC	S & G/Bedrock	TFA	DG
128 129	766984.2	918840.7 919163.6	914.23 912.10	912.5 912.0	7.5	890.5 906.4	20 6	- 24 - 10	24.86 8.35	889.37	2	4	PVC, 10-slot PVC	Till/Bedrock Till/Bedrock	TFA TFA	DG DG
132	766776.9 766141.1	919376.3	915.31	912.0	14	898.1	14	- 18	21.20	903.75 894.11	4	4	PVC	Bedrock	TFA	DG
133	767281.5	918665.9	897.22	894.3	26	867.5	24	- 28	31.50	865.72	4	4	PVC	Till/Bedrock	TVD/MLA	DG
134	766044.5	919507.4	916.46	913.9	36	876.5	35	- 39	42.89	873.57	4	4	PVC	Till/Bedrock	TFA	DG
140R	767086.4	918134.6	889.17	886.9	41.5	845.5	38 17	- 43 - 21	45.14	844.00	2	5	PVC, 20-slot PVC	Till/Bedrock	NBT/P001	DG
143 146	767292.3 766637.9	917826.1 917813.3	884.81 868.04	885.5 865.6	19.5 22	866.5 843.6	20	- 21	29.05 25.86	855.76 842.18	4	4	PVC	Till/Bedrock Till/Bedrock	NBT/P001 NBT/P001	DG DG
147	766361.6	917695.9	871.57	868.9	20	848.5	20	- 24	27.28	844.29	4	4	PVC	Bedrock	WMA	DG
148	766085.9	917652.8	857.87	854.6	32	823.1	29	- 34	34.91	822.96	4	5	PVC	Till/Bedrock	WMA	DG
149 154	765773.6	917229.3	834.27 861.70	831.6	29 21	802.5	27	- 31 - 24	33.57	800.70	2	10	PVC 10 elet	Till/Bedrock	WMA	DG DG
157	766603.6 766538.0	917601.3 917158.9	854.13	860.2 852.7	16	839.2 836.6	14 9	- <u>24</u> - 19	25.56 20.02	836.14 834.11	4	10	PVC, 10-slot PVC	Till/Bedrock Till/Bedrock	NBT/P001 NBT/P001	DG
158	766293.2	916902.0	838.28	836.2	37	799.1	28	- 38	39.76	798.52	4	10	PVC	Till/Bedrock	WBA	SG
160	765642.6	916618.6	824.31	821.6	60	761.4	49.5	- 59.5	58.46	765.85	4	10	PVC	Basal Till	WBA	SG
161 162	765648.6 765798.6	916615.3 916741.9	824.96 825.50	821.8 823.7	NE 47	NE 776.5	10 39	- 20 - 49	22.74 50.43	802.22 775.07	4	10	PVC PVC	Alluvial silt and gravel Till/Bedrock	WBA WBA	SG
163	765798.6	916741.9	825.40	823.8	NE	NE	15	- 25	25.49	799.91	4	10	PVC	Alluvial silt and gravel	WBA	SG
165	765493.3	916873.7	817.50	815.6	40	775.4	31	- 41	44.21	773.29	4	10	PVC	Till/Bedrock	WBA	SG
166	765164.2	916597.5	813.71	812.0	87	724.5	78	- 88	90.56	723.15	4	10	PVC	Till/Bedrock	WBA	SG
167 178	765175.2 765209.7	916605.7 917421.0	813.26 812.22	811.7 809.2	NE 32	NE 776.8	14 30	- 24 - 35	25.52 36.38	787.74 775.84	4	10 5	PVC PVC, 10 slot	Silt Gravel/Bedrock	WBA WMA	SG DG
179	765209.7	916931.4	818.32	815.6	NE	NE	66	- 70	71.51	746.81	4	4	PVC, 10 slot	Outwash Sand	WMA	DG
181	766327.2	917857.1	894.65	893.2	37	855.7	34	- 39	40.60	854.05	4	5	PVC	Till/Bedrock	WMA	DG
183	765912.9	917704.1	851.83	848.9	25	823.9	22	- 27	30.50	821.33	4	5	PVC	Till/Bedrock	WMA	DG
185 186	765206.1 764857.7	916776.3 917114.0	815.54 820.32	813.0 817.8	89 92	723.9 725.9	71 64	- 91 - 94	94.20 96.27	721.34 724.05	4	20 30	PVC PVC	S & G/Bedrock S & G/Bedrock	WBA SBA	DG DG
194	766096.0	917750.2	862.70	861.4	36	824.3	48	- 110	113.37	749.33	5	62	S/OH	Bedrock	WMA	DG
306	764912.6	918514.9	821.04	817.8	58	760.1	40	- 60	62.50	758.54	4	20	PVC	S & G/Bedrock	TVD/MLA	DG
308	765690.7	919205.9	876.26	873.1	25	847.9	17	- 27	29.99	846.27	4	10	PVC	Till/Bedrock	TVD/MLA	DG
309 313	765632.1 765577.1	918611.4 918146.7	874.69 849.79	872.4 847.3	27 35	845.1 812.0	22 31	- 27 - 35	32.17 39.50	842.52 810.29	4	5 4	PVC PVC	Till Till/Bedrock*	TVD/MLA TVD/MLA	DG DG
314	764592.4	916575.0	813.82	811.1	98	713.0	93	- 98	100.43	713.39	4	5	PVC	Basal Till	SBA	DG
316	765161.3	916608.8	813.46	812.0	NE	NE	38	- 48	48.99	764.47	4	10	PVC	Glaciolac., vf sand, silt, clay	WBA	DG
317	765642.2	916612.3	823.00	820.6	NE	NE	35	- 45	47.16	775.84	4	10	PVC	Outwash S & G	WBA	DG
318 319	764251.6 764348.5	916904.6 916622.4	814.19 806.89	811.9 804.3	NE NE	NE NE	36 33	- 46 - 43	47.32 45.23	766.87 761.66	4	10	PVC PVC	Outwash S & G Outwash Sand	SBA SBA	DG DG
321	765315.2	918902.2	853.72	852.1	NE	NE	29	- 39	39.56	814.16	4	10	PVC	S & G/Till	TVD/MLA	DG
322	764159.2	916744.3	806.20	803.8	NE	NE	34	- 44	45.74	760.46	4	10	PVC	Outwash S & G	SBA	DG
323	764450.0	916768.0	813.67	811.6	NE	NE 040.0	35	- 45	47.35	766.32	4	10	PVC	Outwash Sand	SBA	DG
324 325	766906.2 766916.7	918216.7 918213.5	892.60 892.08	890.8 890.6	50.0 NE	840.8 NE	41.5 35	- 51.5 - 40	53.36 42.54	839.24 849.54	2	10 5	PVC, 10 slot PVC, 10 slot	Till/Bedrock Alluvial Gravel	NBT/P001 NBT/P001	DG DG
351	764164.5	916737.6	805.62	804.1	86	718.1	83.5	- 88.5	90.40	715.22	2	5	PVC	Till/Bedrock	SBA	DG
352	764346.6	916619.9	806.48	804.6	84.8	719.8	80	- 85	87.41	719.07	2	5	PVC	Basal Till	SBA	DG
353	766807.8	918783.5	912.87	913.3	23	890.3	24	- 29	28.57	884.30	2	5	PVC	Bedrock	TFA	DG
354 355	766823.0 764015.2	918775.7 917050.3	912.85 813.42	913.4 811.3	NE 89.5	NE 721.8	13 90.5	- 18 - 95.5	17.25 97.90	895.60 715.52	2	5	PVC PVC	Till Bedrock	TFA SBA	DG DG
356	764020.7	917054.5	813.31	811.5	NE	NE	63.2	- 68.2	70.32	742.99	2	5	PVC	Outwash S & G	SBA	DG
357	766720.9	917775.4	863.89	862.0	24.5	837.3	27.5	- 32.5	34.51	829.38	2	5	PVC	Bedrock	NBT/P001	DG
358	766711.3	917781.0	864.08	861.8	NE 20	NE 007.0	9.5	- 14.5	17.64	846.44	2	5	PVC	Alluvial S & G	NBT/P001	DG
361 362	766501.5 765146.5	917786.6 918765.3	868.42 832.69	865.8 829.8	28 58	837.8 771.8	28 58.5	- 33 - 63.5	35.39 66.64	833.03 766.05	2	5	PVC PVC	Bedrock Bedrock	NBT/P001 TVD/MLA	DG DG
002				- JEU.U										→ Our Our		

Table B-1: Well Specifications Corrective Action Monitoring Program

Section Company Comp	Well	Northing	Easting	Current M.P. Elevation	Current Ground Surface Elevation	Depth to Bedrock	Bedrock Elevation	Screened Depth	Interval	Baseline Depth to Bottom from M.P.	Baseline Elevation of Bottom	Well Diameter	Screen Length	Well Construction Material	Geologic Unit Monitored	Site Area	Up, Down, or Side Gradient
3614														Ö	indinidica	σ	Up, Side
Section Process Proc	262	, ,	, ,	,	,	, ,	,	<u> </u>	<u> </u>	_ ` /	, ,	. ,		D\/C	Podrook	T/D/MLA	DC
366 760172 317703 880.00 890.2 NE NE 39														1			DG SG
Sept. Property 12 9180066 012-68 0107 372 873.5 36 4 42.90 800.40 2 5 PVC TRIBREGENCK NSTPOYO 368 786710.2 9180271 910.5 508.1 NE NE 42.5 47.5 49.32 800.83 2 5 PVC TRIBREGENCK NSTPOYO 3737 776910.2 9180271 910.15 508.1 NE NE 42.5 47.5 49.32 800.83 2 5 PVC Alluvel I Sard, Sill, O NSTPOYO 3737 776910.7 910.00 910.0	-																SG
398 7897102 9190271 910.15 908.1 NE NE 42.5 47.5 49.32 89.08 2 5 PVC Allywelf Sand, Sin NBTPPOI 377 7891517 919782 83.21 92.5 NE NE 83.5 63.5 66.5 83.5 63.5 60.5 83.5 60.5 77.5 789151 91972 789151 91972 9	366	766711.7	918208.6	912.48	910.7	37.2	873.5	36	- 41	42.99	869.49	2	5	PVC	Till/Bedrock	NBT/P001	DG
373 765064 9197912 046.66 033.3 89 046.5 08.5 0							†					1					DG
373 765151.7 91796.2 32.19 32.95 NE NE 33 4.57 786.46 2 10 PVC Sundar & Geneel TUDMIAL 375 764.76 6.0 91496.4 33.00 31.14 38 78.94 38.5 45.5 45.5 76.47 2 5 PVC Bedrock TUDMIAL 377 78706.5 91496.4 33.00 31.14 38 78.94 38.5 45.5 45.5 76.74 2 5 PVC Bedrock TUDMIAL 377 78706.5 91496.4 39.60 39.70 NE NE 46 5 50 51.91 817.75 2 5 PVC Bedrock TUDMIAL 38.2 78.94 39.8 89.70 NE NE 46 5 50 51.91 817.75 2 5 PVC Till NSTPO1 NSTPO1 383 78862.5 0 91791.0 867.30 864.6 NE NE 95 14.5 17.46 80.001 2 5 PVC Allowal Bit 6.1 NSTPO1 383 78862.5 0 91791.0 867.30 864.6 NE NE 95 14.5 17.46 80.005 2 5 PVC Allowal Bit 6.1 NSTPO1 383 78662.5 91791.0 817.50 815.1 NE NE 95 14.5 17.46 80.005 2 5 PVC Allowal Bit 6.1 NSTPO1 383 78662.5 91791.0 817.50 815.1 NE NE 75 12.5 15.5 80.007 2 5 PVC Allowal Bit 6.1 NSTPO1 39.00 78600.5 91486.7 81.35 81.5 NSTPO1 817.75 81.5 18.5 80.007 2 5 PVC Allowal Bit 6.1 NSTPO1 817.75 81.5 18.5 80.007 2 5 PVC Allowal Bit 6.1 NSTPO1 817.75 81.							1							1			DG
376 764914.0 9168271 821.25 816.0 NE NE 8 18 20.94 800.71 2 10 PVC Sand & Growel TVDMAA 378 776706 9169404 833.00 831.4 38 7933.48 5.4 83.5 63.5 876.25 2 5 PVC Bedrock TVDMAA 378 768983.8 917794.6 900.02 880.0 65.5 832.5 805.5 74.5 77.19 822.83 2 5 PVC Bedrock NBTPD01 332 769704.2 91893.3 912.59 910.4 NE NE E 5 2.0 22.58 890.01 2 5 PVC TII MBTPD01 332 769805.0 917910.8 87.75 87.75 91.04 NE NE PVC TII MBTPD01 338 769801.8 91790.8 98.04 92 14 15 2.0 22.58 890.01 2 5 PVC Allpund St & S and MBTPD01 338 769801.8 91790.8 910.4 NE NE PV 1.15 17.64 80.80 2 5 PVC Allpund St & S and MBTPD01 338 769801.8 91790.8 915.04 NE NE PV 7.5 12.55 12.55 800.07 2 5 PVC Allpund St & S and MBTPD01 339 769807.0 91783.7 92.58 890.4 93.51 83.55 80.00 2 5 PVC Allpund St & S and MBTPD01 393 769807.0 91783.7 92.58 890.4 93.81 83.55 83.55 80.00 2 5 PVC Allpund St & S and MBTPD01 83.75 83.55 NE NE PV 83.55 80.00 2 5 PVC PVC 10.04 83.65																	SG
378 768/705 9194684 333.00 331.4 38 783.4 38.5 783.4 38.5 783.4 38.5 787.42 2 5 PVC Bedrock TVDMLA 377 787.00 379 78700.4 91792.4 886.86 887.9 NE NE 45 5 5 5 5 5 5 5 PVC TII NETPOOT 379 78700.4 91792.4 886.86 887.9 NE NE 45 5 5 5 5 5 5 PVC TII NETPOOT 383 788625.0 917910.0 887.39 886.8 NE NE 45 5 5 5 5 5 880.0 2 5 PVC TII NETPOOT 383 788625.0 917910.0 887.39 886.8 NE NE 9 1 14 18.99 880.40 2 5 PVC Alluvial Stift 4.5 and NETPOOT 397 789461.8 91866.0 817.99 918.1 NE NE PV 1.15							†										DG
392 76700.04 917792.4 999.68 997.9 NE NE 45 50 51.91 847.75 2 5 PVC Till MSTPQOI 393 769625.0 91781.0 887.39 886.6 NE NE 9 14 16 98 956.40 2 5 PVC Alluval Staf 1,5 and MSTPQOI 396 77654.1 91781.0 887.39 886.6 NE NE 9 14 15 98 956.40 2 5 PVC Alluval Staf 1,5 and MSTPQOI 397.7 7654.1 8 98.20 815.1 NE NE 7.5 1.25 1.5.9 800.07 2 5 PVC Alluval Staf 1,5 and MSTPQOI 397.7 7654.1 8 8.20 8 9.15 1.5 1.5 8 8 9.00 2 5 PVC Alluval Staf 6,3 list WMA MSTPQOI 397.7 397.2	375			833.00	831.4	38	793.4	38.5	- 43.5		787.42	2	5	PVC			SG
383 766704 2 918193 3 12.59 910.4 NE NE NE 15 20 22.58 890.01 2 5 PVC Fill N9TPO01 388 765692 9171905 822.02 819.4 NE NE NE NE NE NE NE N							1		_								DG
383 768625.0 317810.0 867.39 864.6 NE NE 9. 1.4 65.99 850.40 2.5 PVC Allavid SIS 4.5 Sand NETPOIT 387 7654818 818860.0 817.90 815.1 NE NE NE 7.5 12.5 15.52 802.07 2.5 PVC Allavid SIS 6.5 Sit WBA 391.7 767070.2 3198417 837.5 831.5 NE NE NE 7.5 12.5 15.52 802.07 2.5 PVC Allavid SIS 6.5 Sit WBA 392.7 768085.5 817814.6 855.9 833.8 NE NE NE 33.1 43.4 45.98 891.00 2.1 0.7 0.7 0.1								_	_	_			_			1	DG
386 765691.5 917109.5 822.26 819.4 NE NE NE NE NE NE NE N									_					1		1	DG DG
991 7647092 9194817 833.78 831.5 NE NE 18 2. 28 30.18 80.357 2 10 PVC. Outweah S.& G. TVCMMA.														1			DG
392 76800.5 917961.4 995.98 893.8 NE NE NE 33 43 44.98 891.00 2 10 PVC. 10 slot Allivald SGA S Bit NBTPOOT 394 768072.3 917934.2 892.28 890.3 NE NE 36 45 45 46.79 845.50 2 10 PVC. 10 slot TillBedrock NBTPOOT 397 760554.2 917406.3 805.79 863.6 375 375 38.60 82.61 0 2 5 PVC. 10 slot TillBedrock NBTPOOT 398 768054.2 917406.3 805.79 863.6 34 828.6 32.5 37.5 39.60 82.61 0 2 5 PVC. 10 slot TillBedrock NBTPOOT 398 768054.2 917406.3 805.79 863.6 NE NE 6 16 18.07 847.50 2 10 PVC. 10 slot TillBedrock NBTPOOT 444 764862.8 917113.2 NA NA 92 725.8 37 42 NA NA 10 5 5, 6 slot Allivalal SGA S Bit NBTPOOT 444 764862.8 917113.2 NA NA 86.5 728.5 53 63 NA NA 10 10 5 8, 10 slot Allivalal SGA S Bit NBTPOOT 444 766888.8 918195.1 886.7 28.5 843.6 24 34 NA NA 6 10 5 8, 10 slot TillBedrock Zone NBTPOOT 444 766888.8 918195.1 886.7 28.5 843.6 24 34 NA NA 6 10 5 8, 10 slot TillBedrock Zone NBTPOOT 444 766888.8 918195.1 893.11 891.0 50 841.3 37 57 NA NA 6 10 5 8, 10 slot TillBedrock Zone NBTPOOT 444 766888.8 918195.1 893.1 891.0 50 841.3 37 57 NA NA 6 10 5 8, 10 slot TillBedrock Zone NBTPOOT 524 76694.0 918101.3 894.6 82.2 87 83.5	387			817.59	815.1	NE	NE	7.5	- 12.5		802.07	2	5	PVC	Alluvial S&G & Silt	WBA	DG
938 766867.6 917812.7 892.5 890.4 99 831.5 59 63 65.5 92.70 2.5 FVC, 10 stot TillBedrock NBT/P001 395 767015.6 918162.0 980.04 887.7 59.5 828.8 57.5 62.5 65.07 824.97 2. 6 FVC, 10 stot TillBedrock NBT/P001 397 766554.2 917409.1 869.7 862.6 34 823.8 825.8 890.04 87.7 59.5 828.8 57.5 62.5 65.07 824.97 2. 6 FVC, 10 stot TillBedrock NBT/P001 398 766564.2 917409.1 869.37 868.3 NE NE 6 16 16 16.07 847.07 2. 10 FVC, 10 stot TillBedrock NBT/P001 404 764662.8 917113.2 NA NA 92 725.8 37 42 NA NA 10 5 5 5 5 5 5 5 5 5					831.5		1		_					1			SG
395 766705.6 918102.0 800.04 87.7 50.5 50.26 67.5 67.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.7 69.5 67.5 69.5								 	_	_				1		1	DG
398 767015.6 918162.0 890.04 897.7 595.5 828.6 575.5 62.5 65.07 824.97 2 5 PVC, 10 slot Till Redrock NBT/P001 399 768626.6 917508.6 865.37 863.3 NE NE 6 16 180.7 847.30 2 10 PVC, 10 slot Till Redrock NBT/P001 399 768626.6 917508.6 865.37 863.3 NE NE 6 16 180.7 847.30 2 10 PVC, 10 slot Alluval S&G & Slit NBT/P001 404 768626.6 917508.6 867.37 863.3 NE NE 6 16 180.7 847.30 2 10 PVC, 10 slot Alluval S&G & Slit NBT/P001 404 768626.6 917508.6 865.37 863.3 NE NE 6 16 180.7 847.30 2 10 PVC, 10 slot Alluval S&G & Slit NBT/P001 404 768626.6 917508.6 865.7 728.5 53 63 NA NA 10 5 6 slot Alluval Zone WMA 405 765284.0 916916.7 NA NA 86.5 728.5 53 63 NA NA NA 10 10 S, 8 slot Alluval Zone WMA 414 767686.5 918127.5 898.16 886.7 225.5 843.6 24 34 NA NA NA 6 10 S, 8 slot Alluval Zone WMA 414 766889.9 918916.1 893.11 810.1 50 841.3 37 75 NA NA NA 6 10 S, 60 slot Till Redrock Zone NBT/P001 415 766899.9 918941.0 914.38 912.0 25 897.5 23 28 35.40 878.98 6 5 S\$, 35 slot Till Redrock Zone NBT/P001 52 766870.4 918161.1 80.58 888.1 59 82.1 53.5 63.5 710.0 195.9 6 5 S\$, 35 slot Till Redrock Zone Till Re														· ·			DG DG
398 766542 917409.1 885.79 883.6 34 829.6 32.5 37.5 38.69 825.10 2 5 PVC, 10 slot TillBedrock NBT/PO01 399 768526.6 917750.8 867.3 865.6 NE NE 4 14 16.54 850.79 2 10 PVC, 10 slot Alluvial Zone							†		_								DG
Process Proc							†										DG
404 764862.8 917113.2 NA NA 92 725.8 37 42 NA NA 10 5 S, 6 slot Alluvial Zone / Till TillBedrock Zone WMA 405 765284.0 916916.7 NA NA 86.5 728.5 S3 63 NA NA NA 10 10 S, 6 slot Till TillBedrock Zone WMA 11 767086.5 918127.5 899.16 886.7 28.5 843.6 24 34 NA NA 6 10 S, 6 slot Till TillBedrock Zone NSTP001 413 767086.5 918127.5 899.16 886.7 28.5 843.6 24 34 NA NA 6 10 S, 6 slot Till TillBedrock Zone NSTP001 415 768698.9 918415.1 893.11 891.0 50 841.3 37 57 NA NA 6 10 S, 6 slot Alluvial Zone ZONE NSTP001 415 768698.9 918415.1 893.1 891.0 50 841.3 37 57 NA NA 6 10 S, 6 slot Alluvial Zone WMA MSTP001 415 768698.9 91841.0 914.38 912.0 25 887.5 23 28 35.40 878.98 6 5 S, 3.5 slot TillBedrock Zone NSTP001 415 768698.0 91841.0 914.38 912.0 25 887.5 23 28 35.40 878.98 6 5 S, 3.5 slot TillBedrock Zone NSTP001 521 766813.4 917531.5 863.78 861.6 56 825.6 33.5 34.5 411.3 822.65 5 FVC, 10 slot TillBedrock NSTP001 522 766922.5 917616.3 864.46 862.3 28 834.3 26.5 31.5 34.08 803.8 2 5 FVC, 10 slot TillBedrock NSTP001 522 766874.9 917575.1 866.34 884.1 31 833.1 28.5 33.5 34.5 41.3 32.6 5 FVC, 10 slot TillBedrock NSTP001 532 766874.9 917575.1 866.34 884.0 NE NE 6 12.5 14.90 849.03 2 6.5 FVC, 10 slot TillBedrock NSTP001 532 766874.9 917575.1 866.34 884.0 NE NE 6 12.5 14.90 849.03 2 6.5 FVC, 10 slot TillBedrock NSTP001 532 766874.9 917575.1 866.34 886.2 883.4 NE NE 6 12.5 14.90 849.03 2 10 FVC, 10 slot TillBedrock NSTP001 532 766874.9 917575.1 866.34 886.2 883.4 NE NE 6 12.5 14.90 849.03 2 10 FVC, 10 slot TillBedrock NSTP001 532 766874.9 91757	398	766561.0	917406.4	865.37	863.3	NE	NE	6	- 16	18.07		2	10	PVC, 10 slot	Alluvial S&G & Silt	NBT/P001	DG
405 765284.0 916916.7 NA NA 86.5 728.5 53 63 NA NA NA 10 10 S, 8 slot Alluvial Zone Till							†	 									DG
405 765284.0 916916.7 NA NA 86.5 726.5 53 63 NA NA 10 10 S, 8 slot Till/Bedrock Zone NBT/PO01	404	764862.8	917113.2	NA	NA	92	725.8			NA	NA	10		1		WMA	DG
405 765284.0 916916.7 NA														1			
Hard Forestable Hard Forestable Hard Hard Hard Forestable Hard Har	405	765284.0	916916.7	NA	NA	86.5	728.5			NA	NA	10				WMA	DG
Health February Health								82	- 87				5	S, 10 slot	Till		
History Hist							†	 				-					DG
\$\frac{416}{521}																	DG
S21 768813.4 917531.5 863.78 861.6 36 825.6 33.5 33.5 34.13 822.65 2 5 PVC, 10 slot Till/Bedrock NBT/P001 S22 766922.5 917616.3 864.46 862.3 28 834.3 26.5 31.5 34.08 830.38 2 5 PVC, 10 slot Till/Bedrock NBT/P001 S29 766807.5 917748.5 866.28 864.1 31 833.1 28.5 33.5 36.17 830.11 2 5 PVC, 10 slot Till/Bedrock NBT/P001 S29 766807.5 917532.6 863.33 861.8 NE NE 6 12.5 14.90 849.03 2 6.5 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S32 766876.4 917750.1 866.34 864.0 NE NE 6 14 16.58 849.76 2 8 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S34 766876.5 917684.3 862.88 863.4 NE NE 4 14 13.34 849.54 2 10 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S44 766876.5 917684.3 862.88 863.4 NE NE 4 14 13.34 849.54 2 10 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S44 766876.5 917684.3 862.88 863.4 NE NE 4 14 13.34 849.54 2 10 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S44 766876.5 91684.3 862.88 863.4 NE NE 4 14 13.34 849.54 2 10 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001 S44 766876.5 916824.5 916824.5 816.4 816.5 816.4 816.5 81																	DG DG
S24																	DG
529 766807.5 917532.6 863.93 861.8 NE NE NE 6 12.5 14.90 849.03 2 6.5 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001	522	766922.5	917616.3	864.46	862.3	28	834.3	26.5	- 31.5	34.08	830.38	2	5	PVC, 10 slot		NBT/P001	DG
532 766678.4 917750.1 866.34 864.0 NE NE NE 6 14 16.58 849.76 2 8 PVC, 10 slot All. Silt, Sand, Gravel NBT/P001							1		_								DG
Fig.								_	_					· · · · · · · · · · · · · · · · · · ·		1	DG
540 763910.4 916233.3 810.55 808.2 >52 <756.2 39 - 49 51.06 759.49 2 10 PVC, 10 slot Outwash Sand SBA 541 753614.5 916380.7 812.11 809.6 >56 <753.6							1							· ·	- , ,	1	DG DG
542 763435.0 916624.5 806.40 804.0 >80 <724.0 32 - 42 44.65 761.75 2 10 PVC, 10 slot Outwash S & G SBA 543 763621.1 916991.9 823.64 820.6 >56 <764.6							1		_							1	DG
543 763621.1 916951.9 823.64 820.6 >56 <764.6 41 - 51 54.30 769.34 2 10 PVC, 10 slot Outwash S & G SBA 601 7665857.3 917599.5 862.08 860.0 NE NE NE 13 15.56 846.52 2 10 PVC, 10 slot Alluvial Sik & Sand NBT/P001 602 766485.9 917557.5 862.15 860.1 NE NE 5 17 19.54 842.61 2 12 PVC, 10 slot Alluvial Sik & Sand NBT/P001 603 766585.3 917374.6 885.48 885.8 NE NE 14 - 24 21.88 863.60 2 10 PVC, 10 slot Alluvial Sik & Sand NBT/P001 605 767139.6 917874.6 885.23 900.6 45.5 842.0 43 - 48 45.73 839.50 2 5 PVC, 10 slot Alluvial Sik & Sand NBT/P001	541	753614.5	916380.7	812.11	809.6	>56	<753.6	42.5	- 52.5	55.07	757.04	2	10	PVC, 10 slot	Outwash S & G	SBA	DG
601 766597.3 917599.5 862.08 860.0 NE NE 3 - 13 15.56 846.52 2 10 PVC, 10 slot Alluvial S&G/Silt NBT/P001														· ·			DG
602 766485.9 917557.5 862.15 860.1 NE NE 5 - 17 19.54 842.61 2 12 PVC, 10 slot Alluvial Silt & Sand NBT/P001 803 766585.3 917334.9 864.18 861.9 NE NE 5.75 15.75 17.95 846.23 2 10 PVC, 10 slot Alluvial Silt & Sand NBT/P001 804 767135.5 917876.0 885.48 885.8 NE NE NE 14 - 24 21.88 863.60 2 10 PVC, 10 slot Alluvial Silt & Sand NBT/P001 805 767139.6 917874.6 885.23 900.6 45.5 842.0 43 - 48 45.73 839.50 2 5 PVC, 10 slot Alluvial Silt & Sand NBT/P001 806 766911.5 917826.6 900.06 900.6 NE NE 43 - 48 45.73 839.50 2 5 PVC, 10 slot Alluvial Silt & Sand NBT/P001 807 766901.8 917830.3 900.46 900.9 58 842.9 55.5 - 60.5 60.06 840.40 2 5 PVC, 10 slot Alluvial Silt & Sand NBT/P001 808 766614.6 917449.8 861.51 859.1 NE NE 4 - 14 16.77 844.74 2 10 PVC, 10 slot Till/Bedrock NBT/P001 809 767176.0 918342.1 895.16 895.5 49.5 846.0 47 - 52 51.66 843.50 2 5 PVC, 10 slot Till/Bedrock NBT/P001 809 76991.4 918572.3 909.10 909.7 30.5 879.2 28 - 33 32.40 876.70 2 5 PVC, 10 slot Till/Bedrock NBT/P001 801 766982.3 918579.3 909.11 909.7 NE NE 4 - 14 13.41 895.70 2 5 PVC, 10 slot Till/Bedrock NBT/P001 801 766986.7 918314.2 903.94 904.5 NE NE 32 - 42 41.63 862.31 2 10 PVC, 10 slot Till/Bedrock NBT/P001 801 766996.7 918342.1 903.94 904.5 NE NE 32 - 42 41.63 862.31 2 10 PVC, 10 slot Till/Bedrock NBT/P001 801 766996.7 918342.0 903.94 904.5 NE NE 32 - 42 41.63 862.31 2 10 PVC, 10 slot Till/Bedrock NBT/P001 801 766996.7 918342.0 905.9 906.2 24 879.4 21 - 26 28.86 880.43 2 5 PVC, 10 slot Till/Bedrock NBT/P001 801 767312.2 918427.0 935.77 986.1 35 861.1 32.5 37.5 3							1	_	_							1	DG
Fig. 2015 Fig. 3														· ·			DG DG
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1 620 1 765775 4 1 040422 0 1 997 46 1 994 2 1 NE 1 NE 1 45 1 1 44 5 1 47 50 1 060 60 1 2 1 40 10\/C 40 664 1 All Cond Cill Cond 1 17\/D\/M A 1	619 620	765999.4 765775.4	919160.0 919122.9	896.45 887.16		13.5 NE	883.3 NE	4.5			881.38 869.60	2	5 10	PVC, 10 slot PVC, 10 slot	Till/Bedrock All. Sand, Silt, Gravel	TVD/MLA TVD/MLA	DG DG
620 765775.4 919122.9 887.16 884.2 NE NE 4.5 - 14.5 17.56 869.60 2 10 PVC, 10 slot All. Sand, Silt, Gravel TVD/MLA 621 765343.7 918569.7 841.97 840.0 NE NE 25 - 35 37.41 804.56 2 10 PVC, 10 slot Outwash Silt&Gravel TVD/MLA																	DG

Table B-1: Well Specifications **Corrective Action Monitoring Program**

Well	(grid feet)	Easting	(lsme th)	By Current Ground Surface Elevation	Depth to Bedrock	(lsme th)		Scre	interval	Baseline Depth to Bottom from M.P.	Baseline Elevation of Bottom	(j) Well Diameter	(#) Screen Length	Well Construction Material	Geologic Unit Monitored	Site Area	Up, Down, or Side Gradient
622	765344.6	918560.8	842.11	840.0	42	798.0	39	-	44	46.53	795.58	2	5	PVC, 10 slot	Till/Bedrock	TVD/MLA	DG
623	765292.6	918000.3	852.67	850.7	NE	NE	42	-	52	54.59	798.08	2	10	PVC, 10 slot	Outwash Sand&Gravel	TVD/MLA	DG
624	765299.7	918006.4	853.46	851.5	60.5	791.0	52	-	57	64.39	789.07	2	5	PVC, 10 slot	Till/Bedrock	TVD/MLA	DG
625	764081.1	916908.4	808.77	806.8	NE	NE	32	-	42	44.58	764.19	2	10	PVC, 10 slot	Outwash Sand	SBA	DG
626	764076.2	916901.0	808.60	804.5	86.5	718.0	84.5	-	89.5	92.41	716.19	2	5	PVC, 10 slot	Till/Bedrock	SBA	DG
627	764545.6	916922.9	812.96	811.2	NE	NE	38	-	48	50.91	762.05	2	10	PVC, 10 slot	Outwash Sand	SBA	DG
628	764537.3	916914.3	812.43	810.9	95.5	715.4	93	-	98	100.50	711.93	2	5	PVC, 10 slot	Till/Bedrock	SBA	DG
629	765410.2	916642.9	818.39	816.2	NE	NE	38	-	48	51.45	766.94	2	10	PVC, 10 slot	Silt, f. Sand, Gravel	WBA	SG
630	765399.8	916638.6	817.63	815.5	88	727.5	85.5	-	90.5	93.55	724.08	2	5	PVC, 10 slot	Till/Bedrock	WBA	SG
631	766060.3	916906.3	829.38	828.0	NE	NE	24	-	29	31.53	797.85	2	5	PVC, 10 slot	Outwash Sand&Gravel	WBA	UG
632	765667.6	917925.0	853.24	850.8	34	816.8	31	-	36	39.34	813.90	2	5	PVC, 10 slot	Till/Bedrock	WMA	DG
P01	765207.2	917610.9	810.62	808.7	NE	NE	5	-	10	11.23	799.39	2	5	PVC	S & G	WMA	DG
P02	765162.9	917434.9	809.61	807.8	NE	NE	5	-	10	10.49	799.12	2	5	PVC	S & G	WMA	DG
P04	766897.6	919096.5	914.73	913.6	19.5	894.1	14	-	19	20.31	894.42	2	5	PVC	Till	TFA	DG
P07	766152.6	919063.9	894.47	895.4	6.5	888.8	NL	<u> </u>	NL	5.55	888.92	2	NL	S	Till*	TVD/MLA	DG
P08	766137.6	919137.3	894.70	895.3	9.5	886.3	NL	-	NL	8.73	885.97	2	NL	S	Till*	TVD/MLA	DG
P11	765943.1	919227.8	895.21	895.5	15.5	879.5	NL	[-]	NL	14.84	880.37	2	NL	S	Till*	TVD/MLA	DG

Key:

DG: Downgradient from source area

ft amsl: Feet above mean sea level S,SS: Steel, Stainless Steel

ft bgs: Feet below ground surface
Glaciolac.: Glaciolacustrine

NBT/P001: Northwest Bedrock Trough/
Parking Lot 001 Area

M.P.: Measurement point

SBA: Southern Boundary Area

SG: Side gradient to source area

TVD/MLA: Tower View Drive/Mirror Lake Area

UG: Ubgradient from source area

M.P.: Measurement point

NA: Not available or not accessible

NE: Not encountered

NL: No log available

OH: Open hole completion

PVC: Polyvinyl chloride

S&G: Sand and Gravel

UG: Upgradient from source area WBA: Western Boundary Area

WMA: Waste Management Area

* Uncertain

Table B-2a: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevation Measurements

	M.P. Elev. Planar Coordi		oordinates				
Well	(ft amsl)	Northing	Easting	Site Area	List "A"	List "B"	
101	814.01	764601.1	916596.6	SBA	Х		
106	914.91	767106.1	919136.5	TFA		Х	
107A	961.80	767000.3	919557.6	TFA		Х	
110	946.88	766674.6	919542.5	TFA		Х	
113	914.83	767051.4	918957.9	TFA		X	
114	916.13	766976.5	918889.9	TFA		X	
120	846.20	765939.9	917443.6	WMA	X		
123	903.96	765871.9	919093.3	TFA		X	
124	911.43	767366.9	918823.9	TFA		Х	
125	905.36	767096.6	918627.9	TFA		Х	
126	908.95	767128.9	918825.2	TFA		Х	
127	909.65	767204.2	918901.6	TFA		Х	
128	914.23	766984.2	918840.7	TFA		Х	
129	912.10	766776.9	919163.6	TFA		Х	
132	915.31	766141.1	919376.3	TFA		Х	
133	897.22	767281.5	918665.9	TVD/ML	X		
134	916.46	766044.5	919507.4	TFA		Х	
140R	889.17	767086.4	918134.6	NBT/P001		X	
143	884.81	767292.3	917826.1	NBT/P001		X	
146	868.04	766637.9	917813.3	NBT/P001		Х	
147	871.57	766361.6	917695.9	WMA	X		
148	857.87	766085.9	917652.8	WMA	X		
149	834.27	765773.6	917229.3	WMA NDT/D004	X	.,	
154	861.70	766603.6	917601.3	NBT/P001		X	
157	854.13	766538.0	917158.9	NBT/P001		Х	
158	838.28	766293.2	916902.0	WBA	X		
160	824.31	765642.6	916618.6	WBA	X		
161	824.96	765648.6	916615.3	WBA	X		
162	825.50	765798.6	916741.9	WBA	X		
163	825.40	765802.6	916749.6	WBA	X		
165	817.50	765493.3	916873.7	WBA	X		
166	813.71	765164.2	916597.5	WBA	X		
167	813.26	765175.2	916605.7	WBA	X		
178	812.22	765209.7	917421.0	WMA	X		
179	818.32	765297.4	916931.4	WMA			
181	894.65	766327.2	917857.1	WMA	X		
183	851.83	765912.9	917704.1	WMA	X		
185	815.54	765206.1	916776.3	WBA	X		
186 194	820.32 862.70	764857.7 766096.0	917114.0 917750.2	SBA WMA	X		
306	821.04			TVD/ML	X		
308	876.26	764912.6 765690.7	918514.9 919205.9	TVD/ML	X		
309	874.69	765632.1	918611.4	TVD/ML	X		
313	849.79	765577.1	918146.7	TVD/ML	X		
314	813.82	764592.4	916575.0	SBA	X		
316	813.46	765161.3	916608.8	WBA	X		
317	823.00	765642.2	916612.3	WBA	X		
318	814.19	764251.6	916904.6	SBA	X		
319	806.89	764348.5	916622.4	SBA	X		
321	853.72	765315.2	918902.2	TVD/ML	X		
322	806.20	764159.2	916744.3	SBA	X		
323	813.67	764450.0	916768.0	SBA	X		
324	892.60	766906.2	918216.7	NBT/P001		Х	
325	892.08	766916.7	918213.5	NBT/P001		X	
351	805.62	764164.5	916737.6	SBA	Х	, ,	
352	806.48	764346.6	916619.9	SBA	X		
353	912.87	766807.8	918783.5	TFA	- *	Х	
354	912.85	766823.0	918775.7	TFA		X	
355	813.42	764015.2	917050.3	SBA	Х	, i	
356	813.31	764020.7	917054.5	SBA	X		
357	863.89	766720.9	917775.4	NBT/P001	-	Х	
358	864.08	766711.3	917781.0	NBT/P001		X	
361	868.42	766501.5	917786.6	NBT/P001		X	
362	832.69	765146.5	918765.3	TVD/ML	Х	, i	
363	855.07	765135.4	919180.1	TVD/ML	X		
364	897.68	767066.3	917771.0	NBT/P001		Х	
365	898.00	767072.2	917770.3	NBT/P001		X	
366	912.48	766711.7	918208.6	NBT/P001		X	
367	910.08	766712.8	918032.6	NBT/P001		X	
368	910.15	766710.2	918027.1	NBT/P001		X	
372	904.96	765064.9	919791.2	TVD/ML	X	<u> </u>	
373	832.19	765151.7	918758.2	TVD/ML	X		
010	821.25	764914.9	918527.1	TVD/ML	X		
374	UZ 1.ZJ	7.07017.0	010021.1			<u> </u>	
374 375	ጸ33 በበ	764705.6	919469 /	T//D/Mi	X		
374 375 378	833.00 900.02	764705.6 766993.8	919469.4 917794.6	TVD/ML NBT/P001	X	X	

Table B-2a: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevation Measurements

	M.P. Elev.	Planar Co	oordinates			I
Well	(ft amsl)	Northing	Easting	Site Area	List "A"	List "B"
382	912.59	766704.2	918193.3	NBT/P001		Х
383	867.39	766625.0	917810.0	NBT/P001		X
386	822.26	765601.5	917106.5	WMA	X	
387	817.59	765481.8	916866.0	WBA	X	
391	833.75	764709.2	919481.7	TVD/ML	X	
392	895.98	766805.5	917961.4	NBT/P001		X
393	892.55	766967.9	917932.7	NBT/P001		X
394	892.29	766972.3	917934.2	NBT/P001		X
395	890.04	767015.6	918162.0	NBT/P001		X
397	865.79	766554.2	917409.1	NBT/P001		X
398	865.37	766561.0	917406.4	NBT/P001		X
399	867.33	766826.6	917750.8	NBT/P001		X
413 414	889.16 893.11	767086.5	918127.5	NBT/P001 NBT/P001		X
414		766889.8	918195.1	TFA		X
416	914.38 890.58	766989.0 767004.4	918841.0 918161.1	NBT/P001		X
521	863.78	766813.4	917531.5	MT		X
522	864.46	766922.5	917616.3	MT		X
524	866.28	766671.0	917748.5	MT		X
529	863.93	766807.5	917532.6	MT		X
532	866.34	766678.4	917750.1	MT		X
534	862.88	766876.5	917684.3	MT		X
540	810.55	763910.4	916233.3	SBA	Х	
541	812.11	753614.5	916380.7	SBA	X	
542	806.40	763435.0	916624.5	SBA	Х	
543	823.64	763621.1	916951.9	SBA	Х	
601	862.08	766597.3	917599.5	NBT/P001		Х
602	862.15	766485.9	917557.5	NBT/P001		X
603	864.18	766585.3	917334.9	NBT/P001		X
604	885.48	767135.5	917876.0	NBT/P001		X
605	885.23	767139.6	917874.6	NBT/P001		X
606	900.06	766911.5	917826.6	NBT/P001		X
607	900.46	766901.8	917830.3	NBT/P001		X
608	861.51	766614.6	917449.8	NBT/P001		X
609	895.16	767176.0	918342.1	NBT/P001		X
610	909.10	766978.1	918572.3	NBT/P001		X
611	909.11	766982.3	918579.3	NBT/P001		X
612	903.93	766991.4	918321.7	NBT/P001		X
613	903.94	766986.7	918314.2	NBT/P001		X
614	811.80	764906.7	916538.0	WBA	Х	
615	862.69	766479.4	917558.0	NBT/P001		X
616 617	888.18	767296.7	918241.6	NBT/P001 NBT/P001		X
618	895.77 909.29	767312.2 767604.5	918427.0 918632.7	TFA		X
619	896.45	765999.4	919160.0	TVD/ML	Х	^
620	887.16	765775.4	919100.0	TVD/ML	X	
621	841.97	765343.7	918569.7	TVD/ML	X	1
622	842.11	765344.6	918560.8	TVD/ML	X	1
623	852.67	765292.6	918000.3	TVD/ML	X	
624	853.46	765299.7	918006.4	TVD/ML	Х	
625	808.77	764081.1	916908.4	SBA	Х	
626	808.60	764076.2	916901.0	SBA	Х	
627	812.96	764545.6	916922.9	SBA	Х	
628	812.43	764537.3	916914.3	SBA	X	
629	818.39	765410.2	916642.9	WBA	X	
630	817.63	765399.8	916638.6	WBA	X	
631	829.38	766060.3	916906.3	WBA	X	
632	853.24	765667.6	917925.0	WMA	X	ļ
P01	810.62	765207.2	917610.9	WMA	X	
P02	809.61	765162.9	917434.9	WMA	Х	
P04	914.73	766897.6	919096.5	TFA		X
P07	894.47	766152.6	919063.9	TVD/ML	X	1
P08	894.70	766137.6	919137.3	TVD/ML	X	
P11	895.21	765943.1	919227.8	TVD/ML	Х	İ

Planar coordinates are relative to the New York State grid and are expressed in feet.

Lists "A" and "B" are to be alternated as follows:

In Year 1, List "A" wells shall be measured in the first and third quarters; List "B" wells in the second and fourth quarters. In Year 2, List "A" wells shall be measured in the second and fourth quarters; List "B" wells in the first and third quarters. Years 3, 5, 7, etc. shall be the same as Year 1 and Years 4, 6, 8, etc. shall be the same as Year 2.

Key:

MT = Moore Tire Area (off-site)

NBT/P001 = NW Bedrock Trough/P001 Area

SBA = Southern Boundary Area

WMA = Waste Management Area

WMA = Waste Management Area

TFA = Tank Farm Area

Table B-2b: Contaminant Reduction Monitoring Wells for Groundwater Sampling

Well	Site Area	Site Region	Sampling Frequency	List "A"	List "B"
107A*	TFA	North	Q	Х	X
110	TFA	North	S		X
124	TFA	North	S		X
125	TFA	North	S		X
127	TFA	North	S		X
128	TFA	North	Α		X
129	TFA	North	S		X
132	TFA	North	Α		Х
134	TFA	North	S		Х
353	TFA	North	Α		Х
354	TFA	North	Α		Х
618	TFA	North	S		X
P04	TFA	North	A		X
521	MT	North	S		X
522	MT	North	Q	Х	X
	MT	North	S	^	X
524					
529	MT	North	Q	X	X
532	MT	North	Q	X	X
534	MT	North	Q	X	Х
140R	NBT/P001	North	Α		X
146	NBT/P001	North	S		X
157	NBT/P001	North	S		Х
324	NBT/P001	North	S		X
325	NBT/P001	North	S		Х
357	NBT/P001	North	S		Х
358	NBT/P001	North	A		X
378	NBT/P001	North	S		X
383	NBT/P001	North	S		X
392	NBT/P001	North	S		X
393	NBT/P001	North	Q	X	X
394	NBT/P001	North	S		X
397	NBT/P001	North	A		X
398	NBT/P001	North	S		Х
399	NBT/P001	North	Q	X	X
603	NBT/P001	North	S		X
604	NBT/P001	North	S		X
605	NBT/P001	North	Α		Х
606	NBT/P001	North	Q	Х	Х
607	NBT/P001	North	Q	X	X
608	NBT/P001	North	S		X
609	NBT/P001	North	A		X
610	NBT/P001	North	S		X
611	NBT/P001	North	S		X
612	NBT/P001	North	S		X
613	NBT/P001	North	S		X
615	NBT/P001	North	Α		X
616	NBT/P001	North	S		X
617	NBT/P001	North	S		X
101	SBA	South	S	Χ	
186	SBA	South	S	X	
314	SBA	South	Α	Х	
318	SBA	South	Q	Х	Х
319	SBA	South	Q	X	X
322	SBA	South	Q	X	X
323	SBA	South	Q	X	X
351	SBA	South	S	X	^
352	SBA	South	A	X	
355	SBA	South	A	X	
356	SBA	South	A	X	
625	SBA	South	Q	X	X
626	SBA	South	S	X	
627	SBA	South	S	X	
540	SBA	South	S	Χ	
541	SBA	South	S	X	
542	SBA	South	S	Х	
543	SBA	South	S	X	
133	TVD/MLA	South	S	X	
306	TVD/MLA	South	A	X	
308	TVD/MLA	South	S	X	
309	TVD/MLA	South	S	X	
313	TVD/MLA	South	Α	X	
321	TVD/MLA	South	S	Χ	
362	TVD/MLA	South	Α	X	
363	TVD/MLA	South	Α	X	
373	TVD/MLA	South	S	Х	
	TVD/MLA	South	S	X	

Table B-2b: Contaminant Reduction Monitoring Wells for Groundwater Sampling

Well	Site Area	Site Region	Sampling Frequency	List "A"	List "B"
619	TVD/MLA	South	Α	X	
620	TVD/MLA	South	S	X	
621	TVD/MLA	South	S	X	
622	TVD/MLA	South	S	Х	
P08	TVD/MLA	South	Α	X	
P11	TVD/MLA	South	Α	X	
158	WBA	South	Α	X	
160	WBA	South	S	X	
162	WBA	South	S	X	
163	WBA	South	Α	X	
165	WBA	South	S	X	
166	WBA	South	S	X	
167	WBA	South	S	X	
185	WBA	South	S	X	
316	WBA	South	S	X	
317	WBA	South	S	X	
614	WBA	South	Α	X	
631	WBA	South	S	X	
120	WMA	South	S	Х	
148	WMA	South	S	X	
149	WMA	South	S	X	
178	WMA	South	S	Х	
179	WMA	South	S	X	
181	WMA	South	Α	Х	
183	WMA	South	S	X	
194	WMA	South	S	X	
403	WMA	South	S	Х	
632	WMA	South	S	Х	

Key:

MT = Moore Tire Area (off-site)

NBT/P001 = NW Bedrock Trough/P001 Area

SBA = Southern Boundary Area

TFA = Tank Farm Area

TVD/MLA = Tower View Drive/Mirror Lake Area

WBA = Western Boundary Area

WMA = Waste Management Area

A = Annual

S = Semiannual

Q = Quarterly

* Site-wide upgradient well to be sampled quarterly.

X = Analyze all samples for volatile organic compounds by SW846 Method 8260C.

Lists "A" and "B" are to be alternated as follows:

In Year 1, List "A" wells shall be sampled in the first and third quarters; List "B" wells in the second and fourth quarters. In Year 2, List "A" wells shall be sampled in the second and fourth quarters; List "B" wells in the first and third quarters. Years 3, 5, 7, etc. shall be the same as Year 1 and Years 4, 6, 8, etc. shall be the same as Year 2. All listed monitoring wells are hydraulic effectiveness monitoring wells. Refer to Table B-2a for a complete list and schedule of groundwater elevation measurements.

APPENDIX C

GROUNDWATER ELEVATION DATA January 1, 2017 - December 31, 2017

2017 WELL INSPECTION SUMMARY WITH DEDICATED EQUIPMENT ASSIGNMENTS

Giodilawatei	Elevation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
101	2/27/2017	814.01	13.54	800.47
120	2/27/2017	846.20	19.75	826.45
133	2/27/2017	897.22	26.20	871.02
147	2/27/2017	871.57	15.92	855.65
148	2/27/2017	857.87	18.53	839.34
149	2/27/2017	834.27	17.90	816.37
158	2/27/2017	838.28	9.20	829.08
160	2/27/2017	824.31	10.26	814.05
161	2/27/2017	824.96	10.76	814.20
162	2/27/2017	825.50	8.00	817.50
163	2/27/2017	825.40	8.99	816.41
165	2/27/2017	817.50	6.27	811.23
166	2/27/2017	813.71	22.38	791.33
167	2/27/2017	813.26	7.67	805.59
178	2/27/2017	812.22	6.50	805.72
179	2/27/2017	818.32	35.60	782.72
181	2/27/2017	894.65	29.20	865.45
183	2/27/2017	851.83	23.15	828.68
185	2/27/2017	815.54	27.70	787.84
186	2/27/2017	820.32	37.93	782.39
194	2/27/2017	862.70	27.40	835.30
306	2/27/2017	821.04	4.03	817.01
308	2/27/2017	876.26	12.76	863.50
309	2/27/2017	874.69	27.40	847.29
313	2/27/2017	849.79	30.80	818.99
314	2/27/2017	813.82	14.60	799.22
316	2/27/2017	813.46	21.90	791.56
317	2/27/2017	823.00	8.87	814.13
318	2/27/2017	814.19	13.85	800.34
319	2/27/2017	806.89	6.44	800.45

Giouiiuwatei	cievation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
321	2/27/2017	853.72	24.20	829.52
322	2/27/2017	806.20	5.70	800.50
323	2/27/2017	813.67	13.38	800.29
351	2/27/2017	805.62	6.73	798.89
352	2/27/2017	806.48	7.28	799.20
355	2/27/2017	813.42	12.81	800.61
356	2/27/2017	813.31	12.35	800.96
362	2/27/2017	832.69	13.24	819.45
363	2/27/2017	855.07	31.70	823.37
372	2/27/2017	904.96	42.90	862.06
373	2/27/2017	832.19	11.95	820.24
374	2/27/2017	821.25	4.70	816.55
375	2/27/2017	833.00	10.52	822.48
386	2/27/2017	822.26	8.57	813.69
387	2/27/2017	817.59	5.54	812.05
391	2/27/2017	833.75	11.34	822.41
540	2/27/2017	810.55	9.68	800.87
541	2/27/2017	812.11	11.18	800.93
542	2/27/2017	806.40	5.45	800.95
543	2/27/2017	823.64	22.68	800.96
614	2/27/2017	811.80	14.48	797.32
619	2/27/2017	896.45	9.86	886.59
620	2/27/2017	887.16	17.25	869.91
621	2/27/2017	841.97	19.62	822.35
622	2/27/2017	842.11	18.99	823.12
623	2/27/2017	852.67	39.84	812.83
624	2/27/2017	853.46	40.46	813.00
625	2/27/2017	808.77	7.99	800.87
626	2/27/2017	808.60	8.92	799.68
627	2/27/2017	812.96	14.04	798.92

or our id water	Licvation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
628	2/27/2017	812.43	18.14	794.29
629	2/27/2017	818.39	26.72	791.67
630	2/27/2017	817.63	26.21	791.42
631	2/27/2017	829.38	5.75	823.63
632	2/27/2017	853.24	32.70	820.54
P01	2/27/2017	810.62	2.02	808.60
P02	2/27/2017	809.61	3.85	805.76
P07	2/27/2017	894.47	3.92	890.55
P08	2/27/2017	894.70	4.91	889.79
P11	2/27/2017	895.21	9.90	885.31
106	6/12/2017	914.91	1.64	913.27
107A	6/12/2017	961.80	15.54	946.26
110	6/12/2017	946.88	6.01	940.87
113	6/12/2017	914.83	7.28	907.55
114	6/12/2017	916.13	DRY	<902.6
123	6/12/2017	903.96	3.95	900.01
124	6/12/2017	911.43	5.71	905.72
125	6/12/2017	905.36	7.64	897.72
126	6/12/2017	908.95	7.73	901.22
127	6/12/2017	909.65	3.90	905.75
128	6/12/2017	914.23	17.64	896.59
129	6/12/2017	912.10	2.70	909.40
132	6/12/2017	915.31	17.38	897.93
134	6/12/2017	916.46	19.08	897.38
140R	6/12/2017	889.17	30.98	858.19
143	6/12/2017	884.81	5.59	879.22
146	6/12/2017	868.04	5.28	862.76
154	6/12/2017	861.70	2.33	859.37
157	6/12/2017	854.13	9.18	844.95
324	6/12/2017	892.60	32.42	860.18

Ji Garia Water	Licvation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
325	6/12/2017	892.08	28.65	863.43
353	6/12/2017	912.87	12.62	900.25
354	6/12/2017	912.85	10.78	902.07
357	6/12/2017	863.89	2.20	861.69
358	6/12/2017	864.08	2.26	861.82
361	6/12/2017	868.42	5.86	862.56
364	6/12/2017	897.68	33.91	863.77
365	6/12/2017	898.00	35.55	862.45
366	6/12/2017	912.48	38.37	874.11
367	6/12/2017	910.08	45.26	864.82
368	6/12/2017	910.15	43.47	866.68
378	6/12/2017	900.02	37.22	862.80
379	6/12/2017	899.66	37.66	862.00
382	6/12/2017	912.59	11.13	901.46
383	6/12/2017	867.39	4.60	862.79
392	6/12/2017	895.98	31.80	864.18
393	6/12/2017	892.55	29.73	862.82
394	6/12/2017	892.29	30.45	861.84
395	6/12/2017	890.04	27.66	862.38
397	6/12/2017	865.79	9.50	856.29
398	6/12/2017	865.37	9.25	856.12
399	6/12/2017	867.33	4.66	862.67
413	6/12/2017	889.16	41.35	847.81
414	6/12/2017	893.11	47.91	845.20
415	6/12/2017	914.38	18.40	895.98
416	6/12/2017	890.58	66.44	824.14
521	6/12/2017	863.78	1.78	862.00
522	6/12/2017	864.46	2.05	862.41
524	6/12/2017	866.28	4.68	861.60
529	6/12/2017	863.93	3.05	860.88

	cievation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
532	6/12/2017	866.34	4.77	861.57
534	6/12/2017	862.88	2.10	860.78
540	6/12/2017	810.55	14.30	796.25
541	6/12/2017	812.11	16.47	795.64
542	6/12/2017	806.40	10.57	795.83
543	6/12/2017	823.64	26.45	797.19
601	6/12/2017	862.08	2.60	859.48
602	6/12/2017	862.15	4.52	857.63
603	6/12/2017	864.18	8.47	855.71
604	6/12/2017	885.48	13.76	871.72
605	6/12/2017	885.23	16.97	868.26
606	6/12/2017	900.06	38.17	861.89
607	6/12/2017	900.46	37.96	862.50
608	6/12/2017	861.51	3.61	857.90
609	6/12/2017	895.16	24.72	870.44
610	6/12/2017	909.10	14.77	894.33
611	6/12/2017	909.11	11.25	897.86
612	6/12/2017	903.93	31.96	871.97
613	6/12/2017	903.94	30.90	873.04
615	6/12/2017	862.69	6.77	855.92
616	6/12/2017	888.18	5.78	882.40
617	6/12/2017	895.77	4.95	890.82
618	6/12/2017	909.29	4.44	904.85
P04	6/12/2017	914.73	5.30	909.43
101	7/17/2017	814.01	15.22	798.79
120	7/17/2017	846.20	22.03	824.17
133	7/17/2017	897.22	27.16	870.06
147	7/17/2017	871.57	17.80	853.77
148	7/17/2017	857.87	19.68	838.19
149	7/17/2017	834.27	20.10	814.17

	Data (T	B. alba area	
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
158	7/17/2017	838.28	11.09	827.19
160	7/17/2017	824.31	12.08	812.23
161	7/17/2017	824.96	12.64	812.32
162	7/17/2017	825.50	9.21	816.29
163	7/17/2017	825.40	10.20	815.20
165	7/17/2017	817.50	9.91	807.59
166	7/17/2017	813.71	22.27	791.44
167	7/17/2017	813.26	7.87	805.39
178	7/17/2017	812.22	7.24	804.98
179	7/17/2017	818.32	33.63	784.69
181	7/17/2017	894.65	30.58	864.07
183	7/17/2017	851.83	25.60	826.23
185	7/17/2017	815.54	27.14	788.40
186	7/17/2017	820.32	36.83	783.49
194	7/17/2017	862.70	29.13	833.57
306	7/17/2017	821.04	5.07	815.97
308	7/17/2017	876.26	16.53	859.73
309	7/17/2017	874.69	28.58	846.11
313	7/17/2017	849.79	33.05	816.74
314	7/17/2017	813.82	16.15	797.67
316	7/17/2017	813.46	21.80	791.66
317	7/17/2017	823.00	10.66	812.34
318	7/17/2017	814.19	15.95	798.24
319	7/17/2017	806.89	8.35	798.54
321	7/17/2017	853.72	26.11	827.61
322	7/17/2017	806.20	8.00	798.20
323	7/17/2017	813.67	15.01	798.66
351	7/17/2017	805.62	8.27	797.35
352	7/17/2017	806.48	8.38	798.10
355	7/17/2017	813.42	15.17	798.25

ii oaiia wate	Licvation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
356	7/17/2017	813.31	14.80	798.51
362	7/17/2017	832.69	14.49	818.20
363	7/17/2017	855.07	33.30	821.77
372	7/17/2017	904.96	45.02	859.94
373	7/17/2017	832.19	13.20	818.99
374	7/17/2017	821.25	5.66	815.59
375	7/17/2017	833.00	12.03	820.97
386	7/17/2017	822.26	11.51	810.75
387	7/17/2017	817.59	9.11	808.48
391	7/17/2017	833.75	12.82	820.93
540	7/17/2017	810.55	13.30	797.25
541	7/17/2017	812.11	15.18	796.93
542	7/17/2017	806.40	9.35	797.05
543	7/17/2017	823.64	25.89	797.75
614	7/17/2017	811.80	15.75	796.05
619	7/17/2017	896.45	10.34	886.11
620	7/17/2017	887.16	17.40	869.76
621	7/17/2017	841.97	22.34	819.63
622	7/17/2017	842.11	21.81	820.30
623	7/17/2017	852.67	41.01	811.66
624	7/17/2017	853.46	41.70	811.76
625	7/17/2017	808.77	10.30	798.47
626	7/17/2017	808.60	11.13	797.47
627	7/17/2017	812.96	13.57	799.39
628	7/17/2017	812.43	18.46	793.97
629	7/17/2017	818.39	26.71	791.68
630	7/17/2017	817.63	26.14	791.49
631	7/17/2017	829.38	7.06	822.32
632	7/17/2017	853.24	34.04	819.20
P01	7/17/2017	810.62	2.38	808.24

Well	Date of	Top of Casing	Depth to Water	Groundwater
ID	Measurement	Elevation (ft amsl)	(ft below TOC)	Elevation (ft amsl)
P02	7/17/2017	809.61	4.77	804.84
P07	7/17/2017	894.47	4.07	890.40
P08	7/17/2017	894.70	6.37	888.33
P11	7/17/2017	895.21	12.06	883.15
106	10/2/2017	914.91	5.87	909.04
107A	10/2/2017	961.80	20.81	940.99
110	10/2/2017	946.88	11.92	934.96
113	10/2/2017	914.83	9.70	905.13
114	10/2/2017	916.13	DRY	<902.6
123	10/2/2017	903.96	7.94	896.02
124	10/2/2017	911.43	13.05	898.38
125	10/2/2017	905.36	10.80	894.56
126	10/2/2017	908.95	12.12	896.83
127	10/2/2017	909.65	9.73	899.92
128	10/2/2017	914.23	20.25	893.98
129	10/2/2017	912.10	3.55	908.55
132	10/2/2017	915.31	19.00	896.31
134	10/2/2017	916.46	21.70	894.76
140R	10/2/2017	889.17	32.55	856.62
143	10/2/2017	884.81	9.46	875.35
146	10/2/2017	868.04	6.81	861.23
154	10/2/2017	861.70	3.33	858.37
157	10/2/2017	854.13	10.54	843.59
324	10/2/2017	892.60	34.50	858.10
325	10/2/2017	892.08	31.45	860.63
353	10/2/2017	912.87	15.16	897.71
354	10/2/2017	912.85	14.02	898.83
357	10/2/2017	863.89	3.31	860.58
358	10/2/2017	864.08	3.33	860.75
361	10/2/2017	868.42	7.99	860.43

ii Garia water	Licvation Data			
Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
364	10/2/2017	897.68	35.60	862.08
365	10/2/2017	898.00	37.11	860.89
366	10/2/2017	912.48	40.65	871.83
367	10/2/2017	910.08	47.96	862.12
368	10/2/2017	910.15	47.00	863.15
378	10/2/2017	900.02	38.78	861.24
379	10/2/2017	899.66	39.22	860.44
382	10/2/2017	912.59	12.64	899.95
383	10/2/2017	867.39	6.20	861.19
392	10/2/2017	895.98	32.80	863.18
393	10/2/2017	892.55	31.35	861.20
394	10/2/2017	892.29	31.99	860.30
395	10/2/2017	890.04	29.24	860.80
397	10/2/2017	865.79	11.22	854.57
398	10/2/2017	865.37	10.80	854.57
399	10/2/2017	867.33	6.53	860.80
413	10/2/2017	889.16	41.42	847.74
414	10/2/2017	893.11	53.26	839.85
415	10/2/2017	914.38	21.25	893.13
416	10/2/2017	890.58	66.43	824.15
521	10/2/2017	863.78	2.99	860.79
522	10/2/2017	864.46	3.37	861.09
524	10/2/2017	866.28	5.73	860.55
529	10/2/2017	863.93	3.68	860.25
532	10/2/2017	866.34	5.46	860.88
534	10/2/2017	862.88	2.62	860.26
540	10/2/2017	810.55	17.92	792.63
541	10/2/2017	812.11	20.13	791.98
542	10/2/2017	806.40	13.90	792.50
543	10/2/2017	823.64	29.26	794.38

Well ID	Date of Measurement	Top of Casing Elevation (ft amsl)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
601	10/2/2017	862.08	3.33	858.75
602	10/2/2017	862.15	6.48	855.67
603	10/2/2017	864.18	10.36	853.82
604	10/2/2017	885.48	15.61	869.87
605	10/2/2017	885.23	19.05	866.18
606	10/2/2017	900.06	39.62	860.44
607	10/2/2017	900.46	39.54	860.92
608	10/2/2017	861.51	4.71	856.80
609	10/2/2017	895.16	26.64	868.52
610	10/2/2017	909.10	17.17	891.93
611	10/2/2017	909.11	12.60	896.51
612	10/2/2017	903.93	31.91	872.02
613	10/2/2017	903.94	32.40	871.54
615	10/2/2017	862.69	8.62	854.07
616	10/2/2017	888.18	7.76	880.42
617	10/2/2017	895.77	4.46	891.31
618	10/2/2017	909.29	10.37	898.92
P04	10/2/2017	914.73	6.90	907.83

	2017 Depth	Well Tee	Reference	Standpipe	Sanitary	Dedicated
Well ID	to Bottom	Well Tag	Point	Paint	Seal	Equipment
	(ft)	Condition	Visible?	Condition	Condition	Type
101	40.90	Good	Yes	Re-Paint	Good	PDB
106	13.17	Good	Yes	Good	Good	PDB
107A	64.53	Good	Yes	Good	Good	PDB
110	21.16	Good	Yes	Manhole	Good	PDB
113	12.67	Good	Yes	Good	Good	*
114	13.35	Good	Yes	Good	Good	*
120	39.25	Good	Yes	Good	Good	PDB
123	21.83	Good	Yes	Manhole	Good	*
124	25.32	Good	Yes	Good	Good	PDB
125	24.20	Good	Yes	Manhole	Good	PDB
126	23.86	Good	Yes	Manhole	Good	*
127	19.11	Good	Yes	Manhole	Good	PDB
128	24.70	Good	Yes	Good	Good	PDB
129	7.45	Good	Yes	Manhole	Good	PDB
132	21.24	Good	Yes	Good	Good	PDB
133	31.47	Good	Yes	Good	Good	PDB
134	42.83	Good	Yes	Good	Good	PDB
140R	44.95	Good	Yes	Good	Godd	PDB
143	28.91	Good	Yes	Manhole	Good	*
146	25.92	Good	Yes	Good	Good	PDB
147	27.27	Good	Yes	Good	Good	*
148	34.91	Good	Yes	Good	Good	PDB
149	33.06	Good	Yes	Good	Good	PDB
154	25.40	Good	Yes	Good	Good	*
157	19.77	Good	Yes	Re-Paint	Good	PDB
158	39.33	Good	Yes	Re-Paint	Good	PDB
160	58.40	Good	Yes	Re-Paint	Good	PDB
161	22.64	Good	Yes	Re-Paint	Good	*
162	50.43	Good	Yes	Re-Paint	Good	PDB
163	25.27	Good	Yes	Re-Paint	Good	PDB
165	43.85	Good	Yes	Re-Paint	Good	PDB
166	90.46	Good	Yes	Re-Paint	Good	PDB
167	25.24	Good	Yes	Re-Paint	Good	PDB
178	36.25	Good	Yes	Re-Paint	Good	PDB
179	71.30	Good	Yes	Re-Paint	Good	PDB
181	40.61	Good	Yes	Good	Good	PDB
183	30.70	Good	Yes	Good	Good	PDB
185	94.08	Good	Yes	Re-Paint	Good	2" SP/Line
186	95.65	Good	Yes	Re-Paint	Good	2" SP/Line
194	111.33	Good	Yes	Good	Good	2" SP/Line

	2017 Depth		Reference	Standpipe	Sanitary	Dedicated
Well ID	to Bottom	Well Tag	Point	Paint .	Seal	Equipment
	(ft)	Condition	Visible?	Condition	Condition	Type
306	62.32	Good	Yes	Good	Good	2" SP/Line
308	29.97	Good	Yes	Good	Good	PDB
309	32.13	Good	Yes	Good	Good	PDB
313	39.89	Good	Yes	Good	Good	PDB
314	100.17	Good	Yes	Re-Paint	Good	PDB
316	48.85	Good	Yes	Re-Paint	Good	PDB
317	47.00	Good	Yes	Re-Paint	Good	PDB
318	47.23	Good	Yes	Re-Paint	Good	PDB
319	44.52	Good	Yes	Re-Paint	Good	PDB
321	39.50	Good	Yes	Good	Good	PDB
322	45.04	Good	Yes	Re-Paint	Good	PDB
323	46.92	Good	Yes	Re-Paint	Good	PDB
324	53.68	Good	Yes	Good	Good	PDB
325	42.50	Good	Yes	Good	Good	PDB
351	90.15	Good	Yes	Re-Paint	Good	Ded. 2" SP
352	87.19	Good	Yes	Re-Paint	Good	Ded. 2" SP
353	28.42	Good	Yes	Manhole	Good	PDB
354	17.14	Good	Yes	Manhole	Good	Bailer-3'
355	97.89	Good	Yes	Good	Good	PDB
356	70.04	Good	Yes	Good	Good	PDB
357	34.40	Good	Yes	Re-Paint	Good	PDB
358	17.09	Good	Yes	Re-Paint	Good	PDB
361	35.24	Good	Yes	Good	Good	PDB
362	66.48	Good	Yes	Good	Good	PDB
363	45.33	Good	Yes	Good	Good	PDB
364	65.10	Good	Yes	Good	Good	PDB
365	45.70	Good	Yes	Good	Good	PDB
366	42.85	Good	Yes	Good	Good	Bailer-3'
367	72.33	Good	Yes	Good	Good	PDB
368	48.70	Good	Yes	Good	Good	Bailer-3'
372	65.40	Good	Yes	Good	Good	*
373	45.60	Good	Yes	Good	Good	PDB
374	20.85	Good	Yes	Good	Good	PDB
375	45.60	Good	Yes	Re-Paint	Good	*
378	77.14	Good	Yes	Good	Good	PDB
379	52.55	Good	Yes	Good	Good	PDB
382	22.38	Good	Yes	Good	Good	PDB
383	16.72	Good	Yes	Good	Good	PDB
386	17.32	Good	Yes	Good	Good	PDB
387	15.40	Good	Yes	Re-Paint	Good	PDB

Well ID	2017 Depth to Bottom	Well Tag	Reference Point	Standpipe Paint	Sanitary Seal	Dedicated Equipment
Well ID	(ft)	Condition	Visible?	Condition	Condition	Туре
391	30.20	Good	Yes	Good	Good	*
392	46.13	Good	Yes	Good	Good	PDB
393	64.91	Good	Yes	Good	Good	Ded. 2" SP
394	47.31	Good	Yes	Good	Good	PDB
395	64.40	Good	Yes	Good	Good	PDB
397	39.86	Good	Yes	Good	Good	PDB
398	18.53	Good	Yes	Good	Good	PDB
399	16.55	Good	Yes	Good	Good	PDB
404	NA	Good	Yes	Good	NA	Тар
405	NA	Good	Yes	Good	NA	Тар
406	NA	Good	Yes	Good	NA	Тар
413	NA	Good	Yes	Good	NA	Тар
414	NA	Good	Yes	Good	NA	Bailer-3'
415	NA	Good	Yes	Good	NA	Тар
416	NA	Good	Yes	Good	N	Тар
521	39.49	Good	Yes	Manhole	Good	PDB
522	33.97	Replace	Yes	Good	Good	PDB
524	36.08	Good	Yes	Good	Good	PDB
529	13.75	Good	Yes	Manhole	Good	PDB
532	17.15	Good	Yes	Good	Good	PDB
534	13.00	Good	Yes	Manhole	Good	PDB
540	50.82	Good	Yes	Good	None	PDB
541	54.91	Good	Yes	Good	None	PDB
542	43.97	Good	Yes	Good	None	PDB
543	54.14	Good	Yes	Re-Paint	None	PDB
601	15.41	Good	Yes	Good	Good	PDB
602	19.34	Good	Yes	Re-Paint	Good	PDB
603	17.75	Good	Yes	Good	Good	PDB
604	22.01	Good	Yes	Manhole	Good	PDB
605	46.36	Good	Yes	Manhole	Good	PDB
606	47.38	Good	Yes	Manhole	Good	PDB
607	59.65	Good	Yes	Manhole	Good	PDB
608	16.61	No	Yes	Re-Paint	Good	PDB
609	52.33	Good	Yes	Manhole	Good	PDB
610	32.04	Good	Yes	Manhole	Good	PDB
611	13.34	Good	Yes	Manhole	Good	Peristaltic
612	56.94	Good	Yes	Manhole	Good	PDB
613	41.48	Good	Yes	Manhole	Good	PDB
614	105.10	Good	Yes	Re-Paint	Good	PDB
615	45.93	Good	Yes	Re-Paint	Good	PDB

Well ID	2017 Depth to Bottom (ft)	Well Tag Condition	Reference Point Visible?	Standpipe Paint Condition	Seal	Dedicated Equipment Type
616	31.40	Good	Yes	Good	Good	PDB
617	37.14	Good	Yes	Manhole	Good	PDB
618	28.70	Good	Yes	Good	Good	PDB
619	14.92	Good	Yes	Manhole	Good	PDB
620	17.42	Good	Yes	Good	Good	Peristaltic
621	37.14	Good	Yes	Good	Good	PDB
622	46.40	Good	Yes	Good	Good	PDB
623	54.40	Good	Yes	Good	Good	PDB
624	64.20	Replace	Yes	Re-Paint	Good	PDB
625	44.26	Good	Yes	Good	Good	PDB
626	92.08	Good	Yes	Good	Good	PDB
627	50.80	Good	Yes	Re-Paint	Good	PDB
628	100.58	Good	Yes	Re-Paint	Good	PDB
629	51.24	Good	Yes	Re-Paint	Good	PDB
630	93.36	Good	Yes	Re-Paint	Good	PDB
631	31.35	Good	Yes	Re-Paint	Good	PDB
632	39.15	Good	Yes	Good	Good	PDB
P01	11.15	Good	Yes	Re-Paint	Good	*
P02	10.33	Good	Yes	Re-Paint	Good	*
P04	20.39	Good	Yes	Good	Good	PDB
P07	5.22	Good	Yes	Manhole	Good	*
P08	8.70	Good	Yes	Manhole	Good	PDB
P11	14.52	Good	Yes	Manhole	Good	PDB

Key:

Ded. 2" SP = Dedicated 2-inch diameter submersible pump

Length of bailer in feet is indicated where a bailer is used

PDB = Polyethylene diffusion bag sampling device

^{*} Not sampled (water level measurement only)

APPENDIX D

2017 SAMPLING PLAN GROUNDWATER MONITORING PROGRAM

Appendix D - Former Owego, New York Facility 2017 Groundwater Sampling Plan

2017 0	Touriawa	tor ourn	Southern (Annual)	Northern (Semiannual)	Southern (Semiannual)	Northern (Annual)			
Well	Site Area	Site Region	1st Quarter 2017	2nd Quarter 2017	3rd Quarter 2017	4th Quarter 2017	Sampling Frequency	Program	Unit Monitored
101	SBA	South	Х		Х		S	GMP	Outwash Sand
106	TFA	North	.,	.,	.,	X	A	V	Till?
107A	TFA	North	Х	X	Х	X	Q	GMP	Bedrock
110	TFA WMA	North		Х		Х	S S	GMP GMP	Till/Bedrock
120 124	TFA	South North	Х	Х	Х	Х	S	GMP	Till/Bedrock Till/Bedrock
125	TFA	North		X		X	S	GMP	Sand & Gravel/Bedrock
127	TFA	North		X		X	S	GMP	Sand & Gravel/Bedrock
128	TFA	North				Х	Α	GMP	Till/Bedrock
129	TFA	North		Х		Х	S	GMP	Till/Bedrock
132	TFA	North				Х	Α	GMP	Bedrock
133	TVD/MLA	South	Χ		Χ		S	GMP	Till/Bedrock
134	TFA	North		Х		Х	S	GMP	Till/Bedrock
140R	NBT/P001	North				Х	Α	GMP	Till/Bedrock
146	NBT/P001	North		Х		Х	S	GMP	Till/Bedrock
148	WMA	South	X		X		S	GMP	Till/Bedrock
149	WMA	South	Х		Х	.,	S	GMP	Till/Bedrock
157	NBT/P001	North		Х		Х	S A	GMP	Till/Bedrock
158	WBA WBA	South	X				S	GMP GMP	Till/Bedrock
160 162	WBA	South South	X		X		S	GMP	Basal Till Till/Bedrock
163	WBA	South	X		^		A	GMP	Alluvial Silt and Gravel
165	WBA	South	X		Х		S	GMP	Till/Bedrock
166	WBA	South	X		X		S	GMP	Till/Bedrock
167	WBA	South	X		X		S	GMP	Silt
178	WMA	South	Х		Х		S	GMP	Gravel/Bedrock
179	WMA	South	Х		Х		S	GMP	Outwash Sand
181	WMA	South	Х				Α	GMP	Till/Bedrock
183	WMA	South	Х		Х		S	GMP	Till/Bedrock
185	WBA	South	Х		Х		S	GMP	Sand & Gravel/Bedrock
186	SBA	South	Х		Х		S	GMP	Sand & Gravel/Bedrock
194	WMA	South	X		X		S	GMP	Bedrock
306	TVD/MLA	South	X		.,		A	GMP	Sand & Gravel/Bedrock
308	TVD/MLA	South	X		X		S	GMP	Till/Bedrock
309 313	TVD/MLA TVD/MLA	South South	X		Х		S A	GMP GMP	Till Till/Bedrock?
314	SBA	South	X				A	GMP	Basal Till
316	WBA	South	X		Х		S	GMP	Glaciolac., vf sand, silt, clay
317	WBA	South	X		X		S	GMP	Outwash Sand & Gravel
318	SBA	South	Х	Х	Х	Х	Q	GMP	Outwash Sand & Gravel
319	SBA	South	Х	Х	Х	Х	Q	GMP	Outwash Sand
321	TVD/MLA	South	Х		Х		S	GMP	Sand & Gravel/Till
322	SBA	South	Х	Х	Х	Х	Q	GMP	Outwash Sand & Gravel
323	SBA	South	Х	Х	Х	Х	Q	GMP	Outwash Sand
324	NBT/P001	North		X		X	S	GMP	Till/Bedrock
325	NBT/P001	North	V	Х	V	Х	S	GMP	Alluvial Gravel
351 352	SBA SBA	South South	X		Х		S A	GMP GMP	Till/Bedrock Basal Till
352	TFA	North	^			Х	A	GMP	Basai IIII Bedrock
354	TFA	North				X	A	GMP	Till
355	SBA	South	Х				A	GMP	Bedrock
356	SBA	South	X				A	GMP	Outwash Sand & Gravel
357	NBT/P001	North		Х		Х	S	GMP	Bedrock
358	NBT/P001	North				Х	Α	GMP	Alluvial Sand & Gravel
361	NBT/P001	North				Х	Α	V	Bedrock
362	TVD/MLA	South	Х				Α	GMP	Bedrock
363	TVD/MLA	South	Х				Α	GMP	Bedrock
364	NBT/P001	North				X	A	V	Till/Bedrock
365	NBT/P001	North				X	A	V	Alluvial Sand & Gravel
366 367	NBT/P001	North				X	A S	V	Till/Bedrock
367 368	NBT/P001 NBT/P001	North North		X		X	S	V	Till/Bedrock Alluvial Silt, Sand, Gravel
368 373	TVD/MLA	South	Х	_^	Х	^	S	GMP	Outwash Sand & Gravel
374	TVD/MLA	South	X		X		S	GMP	Sand & Gravel
378	NBT/P001	North	X	Х	X	Х	Q	GMP	Bedrock
379	NBT/P001	North	· · · ·	<u> </u>	· · · ·	X	A	V	Till
382	NBT/P001	North				Х	Α	V	Fill
383	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt & f. Sand
386	WMA	South	Х				Α	V	Alluvial Sand & Gravel

Appendix D - Former Owego, New York Facility 2017 Groundwater Sampling Plan

			Southern (Annual)	Northern (Semiannual)	Southern (Semiannual)	Northern (Annual)			
Well	Site Area	Site Region	1st Quarter 2017	2nd Quarter 2017	3rd Quarter 2017	4th Quarter 2017	Sampling Frequency	Program	Unit Monitored
387	WBA	South	Х				Α	V	Alluvial Silt, Sand, Gravel
392	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt, Sand, Gravel
393	NBT/P001	North	Х	Х	Х	Х	Q	GMP	Till/Bedrock
394	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt, Sand, Gravel
395	NBT/P001	North				Х	Α	V	Till/Bedrock
397	NBT/P001	North				Х	Α	GMP	Till/Bedrock
398	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt, Sand, Gravel
399	NBT/P001	North	Х	Х	Х	Х	Q	GMP	Alluvial Silt, Sand, Gravel
404	WMA	South	Х	Х	Х	Х	Q	V	Silt, Sand & Gravel
405	WMA	South	Х	Х	Х	Х	Q	V	Sand & Gravel/Till/Bedrock
413	NBT/P001	North	X	X	X	X	Q	V	Till/Bedrock
414	NBT/P001	North	X	X	X	X	Q	V	Alluvial Sand & Gravel/Till/Bedrock
415	TFA	North	X	X	X	X	Q	V	Till/Bedrock
416	NBT/P001	North	X	X	X	X	Q	V	Till/Bedrock
521	MT	North	X	X	X	X	Q	GMP	Till/Bedrock
522	MT	North	X	X	X	X	Q	GMP	Till/Bedrock
524	MT	North	Х	Х	Х	Х	Q	GMP	Till/Bedrock
529	MT	North	X	X	X	X	Q	GMP	Alluvial Silt, Sand, Gravel
532	MT	North	X	X	X	X	Q	GMP	Alluvial Silt, Sand, Gravel
534	MT	North	Х	Х	Х	Х	Q	GMP	Alluvial Silt, Sand, Gravel
540	SBA	South	Х		Х		S	GMP	Outwash Sand & Gravel
541	SBA	South	Х		Х		S	GMP	Outwash Sand & Gravel
542	SBA	South	Х		Х		S	GMP	Outwash Sand & Gravel
543	SBA	South	Х		Х		S	GMP	Outwash Sand & Gravel
601	NBT/P001	North		Х		X	S	V	Alluvial Silt, Sand, Gravel
602	NBT/P001	North		Х		Х	S	V	Alluvial Silt & Sand
603	NBT/P001	North		Х		Х	S	GMP	Alluvial Sand & Gravel
604	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt & Sand
605	NBT/P001	North				Х	Α	GMP	Till/Bedrock
606	NBT/P001	North	Х	Х	Х	Х	Q	GMP	Alluvial Silt, Sand, Gravel
607	NBT/P001	North	Х	Х	Х	Х	Q	GMP	Till/Bedrock
608	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt, Sand, Gravel
609	NBT/P001	North		Х		Х	S	GMP	Till/Bedrock
610	NBT/P001	North		Х		Х	S	GMP	Till/Bedrock
611	NBT/P001	North		X		X	S	GMP	Fill/Alluvial Sand & Silt
612	NBT/P001	North		X		X	S	GMP	Till/Bedrock
613	NBT/P001	North		Х		Х	S	GMP	Alluvial Silt, Sand, Gravel
614	WBA	South	Х				A	GMP	Till/Bedrock
615	NBT/P001	North				Х	A	GMP	Bedrock
616	NBT/P001	North		X		X	S	GMP	Till/Bedrock
617	NBT/P001	North		X		X	S	GMP	Till/Bedrock
618	TFA	North	,,	Х		Х	S	GMP	Till/Bedrock
619	TVD/MLA	South	X				A	GMP	Till/Bedrock
620	TVD/MLA	South	X		X		S	GMP	Alluvial Sand & Gravel/Till
621	TVD/MLA	South	X		X		S	GMP	Outwash Sand & Gravel
622	TVD/MLA	South	X		Х		S	GMP	Till/Bedrock
623	TVD/MLA	South	X				A	V	Fill/Alluvial Sand & Silt
624	TVD/MLA	South	X	V	V	· · ·	A	V	Till/Bedrock
625	SBA	South	X	Х	X	Х	Q	GMP	Outwash Sand & Gravel
626	SBA	South	X		X		S S	GMP	Till/Bedrock
627	SBA SBA	South South	X		_ ^		A	GMP V	Outwash Sand & Gravel
628									Till/Bedrock
629	WBA	South	X				Α	V	Outwash Silt, Sand, Gravel
630	WBA	South	X				A S		Till/Bedrock
631	WBA	South			X			GMP	Outwash Sand & Gravel
632 P04	WMA	South	Х		Х	v	S	GMP	Till/Bedrock
P04	TFA	North	V			Х	Α	GMP	Till
P08 P11	TVD/MLA TVD/MLA	South South	X				A	GMP	Till? Till?
rii			X	E 2	E0	74		GMP	11111?
	San	ple Count:	80	53	58	71	Total:	191	

Key:

X Collect sample MT: Moore Tire Area (off-site)
Q Quarterly frequency NBT/P001: NW Bedrock Trough/P001 Area
S Semiannual frequency SBA: Southern Boundary Area (some off-site)
A Annual frequency TFA: Tank Farm Area

GMP Groundwater Monitoring Program Well Voluntary Sampling Well

TVD/MLA: Tower View Drive/Mirror Lake Area WBA: Western Boundary Area WMA: Waste Management Area

APPENDIX E

CHAINS OF CUSTODY 2017

Laboratories Client Information	n				(4)	Matrix			(5)	An	nalys	es Re	queste	1	For Lab I	Use Only	
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eurofins Lancaster Laboratories Acct. # Other Environmental	instr	e I C		_	emple and with	# 9 circled n	antal Use mily 24772/ cerbers			COC # 018902
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be VI (Raw Data Only) CT RCP	Y			Title 11	(No)			Temperature up	on receipt 14 c
OG Complete? Yes (No)	(If yes, indic	ste QC	sample	and sut	mit fri	dicate	volume.)	-	A	

APPENDIX F

GROUNDWATER ANALYTICAL CHEMISTRY DATA FOR EXTRACTION AND MONITORING WELLS January 1, 2017 – December 31, 2017

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		101 GW MON WELL 03/01/2017 8865362 P	101 GW MON WELL 07/19/2017 9115358 P	106 GW MON WELL 03/01/2017 8865345 P	106 GW MON WELL 10/04/2017 9250790 P	107A GW MON WELL 03/01/2017 8865346 P	107A GW MON WELL 06/13/2017 9052931 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.82 403 9.9 0.7	8.16 435 10.5 0.21	8.08 657 9 2.46	7.65 690 15.3 1.07	8.41 334 11.9 0.66	8.28 359 13 1.74
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 O.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		107A GW MON WELL 07/18/2017 9115325 P	107A GW MON WELL 10/04/2017 9250788 P	110 GW MON WELL 06/13/2017 9052932 P	110 GW MON WELL 10/04/2017 9250789 P	120 GW MON WELL 03/01/2017 8865354 P	120 GW MON WELL 07/19/2017 9115352 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	8.05 315 12.1 0.56	8.13 340 11.7 1.59	7.13 7830 13.9 2.89	7.59 2650 14.3 1.11	7.79 920 12.6 0.95	6.97 1356 11.9 0.38
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	4 ND@0.5 ND@0.5 2.7 0.3 J ND@0.5	3.1 ND@0.5 ND@0.5 1.8 0.3 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
VINYL CHLORIDE	ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		124 GW MON WELL 06/14/2017 9052968 P	124 GW MON WELL 10/04/2017 9250792 P	125 GW MON WELL 06/14/2017 9052969 P	125 GW MON WELL 10/04/2017 9250795 P	127 GW MON WELL 06/13/2017 9052933 P	127 GW MON WELL 10/04/2017 9250794 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.67 1320 15.2 2.09	7.07 1310 13.7 1.35	7.76 4240 14.8 1.72	7.85 230 16.4 0.77	7.4 3890 15.4 1.54	7.23 4530 16.3 1.07
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.4 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.7 ND@0.5	1.4 ND@0.5 ND@0.5 27 0.6 0.3 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.6 ND@0.5 ND@0.5 4.3 0.4 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	33 ND@0.5 ND@0.5 2.3 3 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	67 ND@0.5 ND@0.5 3 4.8 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L	ND@0.5 0.3 J ND@0.5 ND@0.5	ND@0.5 0.3 J ND@0.5 ND@0.5	0.2 J 6.1 ND@0.5 0.5 J	ND@0.5 3.8 ND@0.5 0.2 J	0.3 J 64 ND@0.5 ND@0.5	0.4 J 100 ND@0.5 0.2 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		128 GW MON WELL 10/04/2017 9250791 P	129 GW MON WELL 06/13/2017 9052930 P	129 GW MON WELL 10/04/2017 9250787 P	132 GW MON WELL 10/03/2017 9250784 P	133 GW MON WELL 02/28/2017 8862996 P	133 GW MON WELL 07/18/2017 9115330 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.86 6810 16.2 0.94	9.9 950 19 2.06	9.15 990 18.8 1.84	7.37 1030 15.6 3.17	7.13 8810 14.2 0.81	7.2 7386 13.7 0.59
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	1400 130 5.8 J 200 530 ND@10 2 J ND@10 ND@10 460 ND@10 ND@10	0.1 J ND@0.5	1.2 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	95 2 ND@0.5 96 15 1.4 0.4 J 0.2 J 0.1 J 0.1 J ND@0.5 ND@0.5	69 1.5 ND@0.5 93 15 1.5 0.3 J 0.1 J 0.1 J ND@0.5 ND@0.5
TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L	10 350 ND@10 8.5 J	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 2.5 ND@0.5 0.2 J	ND@0.5 2.1 ND@0.5 0.2 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		134 GW MON WELL 06/13/2017 9052929 P	134 GW MON WELL 10/03/2017 9250783 P	140R GW MON WELL 10/05/2017 9253892 P	146 GW MON WELL 06/13/2017 9052955 P	146 GW MON WELL 10/03/2017 9247739 P	148 GW MON WELL 03/01/2017 8865353 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	8.17 371 18.6 1.3	7.48 482 16.9 8.72	6.71 1960 14.2 6.28	7.26 2610 13.2 2.02	7.32 3070 15.3 1.09	7.74 1060 12.6 0.93
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5	220 24 ND@5 810 65 12 ND@5 3.2 J ND@5	0.2 J ND@0.5 ND@0.5 0.5 J ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.3 J ND@0.5 ND@0.5 1 ND@0.5 ND@0.5 ND@0.5 ND@0.5	180 2.2 J 1 J 1.8 J 12 ND@2.5 ND@2.5 ND@2.5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 O.3 J ND@0.5 ND@0.5	30 ND@5 ND@5 ND@5 5.2 ND@5 8.3	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 O.1 J ND@0.5 ND@0.5	0.7 J ND@2.5 ND@2.5 ND@2.5 2.4 J ND@2.5 ND@2.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		148 GW MON WELL 07/19/2017 9115353 P	149 GW MON WELL 03/02/2017 8866907 P	149 GW MON WELL 07/19/2017 9115354 P	157 GW MON WELL 06/14/2017 9052957 P	157 GW MON WELL 10/03/2017 9247727 P	158 GW MON WELL 03/02/2017 8866903 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.75 875 13.6 0.2	7.41 1110 11.5 0.87	7.25 1119 11.6 0.32	6.39 370 11.8 1.17	7.28 1490 13.6 0.79	7.21 165 10.4 1.17
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	140 1.8 J 0.8 J 1.5 J 11 ND@2.5 ND@2.5 ND@2.5 ND@2.5 ND@2.5 ND@2.5 ND@2.5 ND@2.5	3.3 ND@0.5 ND@0.5 15 3.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	3.1 ND@0.5 ND@0.5 15 4 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5	1.4 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	2.3 J ND@2.5 ND@2.5	18 ND@0.5 ND@0.5	17 ND@0.5 ND@0.5	0.1 J ND@0.5 ND@0.5	1 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		160 GW MON WELL 02/28/2017 8863006 P	160 GW MON WELL 07/18/2017 9115314 P	162 GW MON WELL 03/02/2017 8866905 P	162 GW MON WELL 07/19/2017 9115348 P	163 GW MON WELL 03/02/2017 8866906 P	165 GW MON WELL 03/01/2017 8865367 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE	SU	8.12	8.08	7.82	8.11	7.2	7.46
	umhos/cm	670	495	510	690	579	279
TEMPERATURE	C	4.7	16.9	9.1	16.1	9.2	4.5
TURBIDITY	NTU	1.04	0.77	1.28	0.36	0.8	0.73
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	39	41	19	29	ND@0.5	9.6
	ug/L	ND@1	ND@1	ND@0.5	0.3 J	ND@0.5	ND@0.5
1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	3.1	3.5	1.7	3.3	ND@0.5	0.9
1,1-DICHLOROETHENE	ug/L	8.6	10	5.1	7.7	ND@0.5	2.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC)	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	18	20	11	36	ND@0.5	5.2
	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE TRICHLOROETHENE	ug/L	ND@1	ND@1	0.2 J	0.2 J	ND@0.5	ND@0.5
	ug/L	130	170	81	41	ND@0.5	30
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		165 GW MON WELL 07/19/2017 9115349 P	166 GW MON WELL 03/01/2017 8865347 P	166 GW MON WELL 07/19/2017 9115340 P	167 GW MON WELL 03/01/2017 8865349 P	167 GW MON WELL 07/19/2017 9115341 P	178 GW MON WELL 03/01/2017 8865356 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE	SU umhos/cm	7.38 477	8.28 618	7.96 645	8.21 377	7.12 339	7.02 2660
TEMPERATURE TURBIDITY	C NTU	17.9 0.46	12.2 1.15	11.6 0.77	9.7 0.76	13.2 0.55	7.8 0.8
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	61	0.3 J	0.2 J	ND@0.5	ND@0.5	29
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.6	0.6	0.6	ND@0.5	ND@0.5	0.6
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	8	1.6	1.7	ND@0.5	ND@0.5	17
1,1-DICHLOROETHENE	ug/L	18	0.2 J	0.2 J	ND@0.5	ND@0.5	3.6
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	1.4	1.5	ND@0.5	ND@0.5	0.2 J
1,2-DICHLOROETHANE (EDC) CHLOROETHANE	ug/L	ND@0.5 ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L ug/L	ND@0.5 0.1 J	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 0.2 J
CIS-1,2-DICHLOROETHENE	ug/L ug/L	34	8.4	7.5	ND@0.5	ND@0.5	6.4
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	0. - ND@0.5	ND@0.5	ND@0.5	ND@0.5	0. - ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.4 J
TRICHLOROETHENE	ug/L	220	1.1	1	3.7	3.8	70
TRICHLOROFLUOROMETHANE (FREON 11)	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	1.2	0.7	ND@0.5	ND@0.5	ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		178 GW MON WELL 07/19/2017 9115350 P	179 GW MON WELL 03/01/2017 8865364 P	179 GW MON WELL 07/19/2017 9115351 P	181 GW MON WELL 03/01/2017 8865351 P	183 GW MON WELL 03/02/2017 8866902 P	183 GW MON WELL 07/18/2017 9115335 P
Parameter	Units						
Indicator Parameters							
PH	SU	6.65	7.7	7.68	7.91	7.07	7.27
SPECIFIC CONDUCTANCE	umhos/cm	2017	443	480	1010	740	677
TEMPERATURE	C	17.3	10.5	14.7	13.7	12.3	13.1
TURBIDITY	NTU	0.33	0.65	0.27	0.79	0.87	0.51
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	31	24	18	6.2	11	9.4
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.6	4	17	ND@0.5	0.2 J	ND@0.5
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	14	3.6	3.4	1.4	1.7	1.2
1,1-DICHLOROETHENE	ug/L	4.2	6.7	6.5	0.2 J	0.5	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	0.3 J	1.9	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	0.2 J	0.2 J	0.2 J	ND@0.5	1.4	1.4
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	7.9	13	25	ND@0.5	62	54
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.4 J	0.2 J	0.1 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	87	69	83	1.1	180	160
TRICHLOROFLUOROMETHANE (FREON 11)	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	0.2 J	ND@0.5	0.3 J	0.1 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		185 GW MON WELL 03/02/2017 8866910	185 GW MON WELL 07/20/2017 9115371	186 GW MON WELL 03/02/2017 8866911	186 GW MON WELL 07/20/2017 9115372	194 GW MON WELL 03/02/2017 8866908	194 GW MON WELL 07/20/2017 9115370
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE	SU umhos/cm	7.14 990	7.9 1029	7.11 1290	7.11 2386	7.32 900	7.75 897
TEMPERATURE	C	10.6	1029	9	12.4	12.3	12.2
TURBIDITY	NTU	7.09	4.22	6.75	3.21	260	57.9
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	2.2	2.5	2	14	0.2 J	3.1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	2.1	2.7	4.9	71	ND@0.5	ND@0.5
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	1.2	1	1.5	8.9	6.2	7.4
1,1-DICHLOROETHENE	ug/L	0.2 J	0.2 J	0.2 J	1.7	3.9	3.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.4 J	0.5	4.6	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.5 J	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	0.1 J	0.1 J	0.1 J	0.8	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	3.1	2.2	3.6	12	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	21	29	31	250	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11)	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

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		306 GW MON WELL 02/28/2017 8862986	308 GW MON WELL 02/28/2017 8862995 P	308 GW MON WELL 07/18/2017 9115329 P	309 GW MON WELL 02/28/2017 8862997 P	309 GW MON WELL 07/18/2017 9115331 P	313 GW MON WELL 02/28/2017 8862998 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.66 1500 7.3 4.02	6.91 2590 12 0.64	6.78 2820 13.1 1.47	6.74 6110 12 0.69	6.38 7905 12.7 0.59	7.61 1590 12.5 0.7
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 O.5 J ND@0.5 O.1 J	72 1.6 ND@0.5 43 6.1 0.6 0.2 J 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	86 1.9 ND@0.5 75 7.8 1 0.2 J 0.1 J 0.2 J ND@0.5 ND@0.5 ND@0.5	2.7 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	2.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5 ND@0.5 2.5 0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		314 GW MON WELL 03/01/2017 8865363 P	316 GW MON WELL 03/01/2017 8865348 P	316 GW MON WELL 07/19/2017 9115339 P	317 GW MON WELL 02/28/2017 8863007 P	317 GW MON WELL 07/18/2017 9115313 P	318 GW MON WELL 03/01/2017 8865359 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	8 301 9.9 0.62	8.42 467 11.9 0.7	8.23 503 13.1 0.84	7.96 573 4.8 0.87	8.03 464 17.6 0.65	7.91 373 10 0.96
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.3 J ND@0.5 ND@0.5 0.4 J 0.2 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	19 ND@1 ND@1 1.6 5.1 ND@1 ND@1 ND@1 ND@1 ND@1 11 ND@1 ND@1	40 ND@1 ND@1 3.3 8.7 ND@1 ND@1 ND@1 ND@1 ND@1 17 ND@1 ND@1 ND@1 ND@1 ND@1 ND@1 ND@1 ND@1	ND@0.5 1.8 ND@0.5 3.5 0.8 11 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE	_	ND@0.5	ND@0.5	ND@0.5	73	140	1.3

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		318 GW MON WELL 06/13/2017 9052925 P	318 GW MON WELL 07/19/2017 9115356 P	318 GW MON WELL 10/02/2017 9247723 P	319 GW MON WELL 03/01/2017 8865361 P	319 GW MON WELL 06/13/2017 9052927 P	319 GW MON WELL 07/19/2017 9115359 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE	SU umhos/cm	7.91 412	8.05 402	7.26 421	8.29 439	7.75 447	7.85 495
TEMPERATURE TURBIDITY	C NTU	11.2 3.52	10.3 0.45	10.4 0.97	8.4 0.77	10.5 1.03	11.8 0.29
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	3.4	3.2	3.5	0.4 J	0.7	0.7
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	3.7	2.9	2.9	1.3	1.2	0.8
1,1-DICHLOROETHENE	ug/L	0.9	0.9	0.8	0.1 J	0.2 J	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	12	8.5	9.1	2.2	2.3	1
1,2-DICHLOROETHANE (EDC) CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L ug/L	83	77	77	12	11	8.6
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	0.3 J	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.1	1.1	1.1	1	1.6	1.4
TRICHLOROFLUOROMETHANE (FREON 11)	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	0.2 J	0.3 J	3.1	0.4 J	0.2 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		319 GW MON WELL 10/02/2017 9247726 P	321 GW MON WELL 02/28/2017 8862994 P	321 GW MON WELL 07/18/2017 9115328 P	322 GW MON WELL 03/01/2017 8865360 P	322 GW MON WELL 06/13/2017 9052926 P	322 GW MON WELL 07/19/2017 9115357 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.79 467 12.4 0.92	6.91 1630 12.4 0.87	6.69 996 11.8 1.59	7.46 362 8.4 0.79	7.45 410 10.3 1.67	7.48 464 11.2 0.33
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 0.8 ND@0.5 1 0.2 J 1.3 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	3.2 ND@0.5 ND@0.5 1.4 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	3.1 ND@0.5 ND@0.5 1.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 0.9	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		322 GW MON WELL 10/02/2017 9247724 P	323 GW MON WELL 03/01/2017 8865365 P	323 GW MON WELL 06/13/2017 9052928 P	323 GW MON WELL 07/19/2017 9115360 P	323 GW MON WELL 10/02/2017 9247722 P	324 GW MON WELL 06/15/2017 9052977 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.38 500 12.4 1.11	6.98 280 10.4 0.56	7.12 176 10 1.18	6.81 218 10.6 0.34	6.67 273 11.2 1.21	6.49 5480 13.7 1.92
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 0.7 ND@0.5 1.8 0.3 J 1.3 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 0.3 J ND@0.5 0.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.1 J 0.9 ND@0.5 1.9 0.5 0.8 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 1.6 ND@0.5 2.7 0.7 1.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	190 8.5 1.2 J 85 100 1.1 J 0.7 J ND@2.5 0.5 J 50 ND@2.5 1.5 J 2 J 530
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 0.5 J	ND@0.5 0.7	ND@0.5 0.3 J	ND@0.5 0.3 J	ND@2.5 2.4 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		324 GW MON WELL 10/05/2017 9253894 P	325 GW MON WELL 06/15/2017 9052978 P	325 GW MON WELL 10/05/2017 9253895 P	351 GW MON WELL 03/02/2017 8866912	351 GW MON WELL 07/20/2017 9115366	352 GW MON WELL 03/02/2017 8866913
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.44 6850 14.6 10.8	6.2 5020 13.1 2.54	5.98 6440 14.1 8.09	7.24 676 11.3 44	7.53 701 11.5 436	7.39 442 10.1 72.4
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	150 5.5 1.3 J 79 92 1 J 0.6 J ND@2.5 0.5 J 49 ND@2.5 1.6 J 2.1 J	150 10 0.9 J 69 80 1.3 J 0.6 J ND@2.5 ND@2.5 48 ND@2.5 1.9 J 6.8	110 4.6 0.9 J 61 68 1 J 0.6 J ND@2.5 ND@2.5 40 ND@2.5 2 J 5.1	ND@0.5 ND@0.5 ND@0.5 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5 ND@0.5 0.2 J 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	440 ND@2.5 2.1 J	390 ND@2.5 2 J	260 ND@2.5 2.5 J	ND@0.5 ND@0.5 0.4 J	ND@0.5 ND@0.5 0.1 J	ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		353 GW MON WELL 10/04/2017 9250796 P	354 GW MON WELL 10/04/2017 9250797	355 GW MON WELL 02/28/2017 8862992 P	356 GW MON WELL 02/28/2017 8862993 P	357 GW MON WELL 06/13/2017 9052954 P	357 GW MON WELL 10/03/2017 9247735 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	8.14 0.67 18.6 6.39	7.71 124 18 377	8.09 269 9.5 1.26	8.07 184 9 2.54	7.73 1900 15.6 1.36	7.58 2290 15.9 1.59
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	500 ND@5 ND@5 270 250 ND@5 ND@5 ND@5 ND@5 ND@5 ND@5 ND@5 ND@5	44 ND@0.5 0.2 J 0.2 J 4.7 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.1 J ND@0.5 ND@0.5 1.5 ND@0.5	0.3 J ND@0.5 ND@0.5 2.7 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		358 GW MON WELL 10/03/2017 9247736 P	361 GW MON WELL 10/03/2017 9247741 P	362 GW MON WELL 02/28/2017 8862989 P	363 GW MON WELL 02/28/2017 8862985 P	364 GW MON WELL 10/04/2017 9250805 P	365 GW MON WELL 10/04/2017 9250806 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.03 3020 15.6 0.79	6.94 1060 15.8 1.22	7.26 422 9.3 1.28	6.39 5350 11.3 1.91	7.29 1870 11.9 0.96	6.71 2160 12.4 0.81
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	42 1.2 ND@0.5 24 6.5 1 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	1.6 ND@0.5 ND@0.5 3.1 0.5 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	1.4 ND@0.5 ND@0.5 0.9 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	2.8 ND@0.5 0.2 J	0.9 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5	1 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		366 GW MON WELL 10/05/2017 9253884	367 GW MON WELL 06/14/2017 9052965 P	367 GW MON WELL 10/05/2017 9253882 P	368 GW MON WELL 06/14/2017 9052966	368 GW MON WELL 10/05/2017 9253883	373 GW MON WELL 02/28/2017 8862988 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.76 1660 13 41.8	6.6 1950 14.6 1.41	6.37 2300 12.7 0.95	6.67 2960 14 269	6.48 3410 12.8 580	7.14 803 9.2 1.01
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	18 0.4 J ND@0.5 8.7 4 0.7 ND@0.5 ND@0.5	90 3.8 0.1 J 13 24 1.3 0.1 J ND@0.5 0.7	71 3.1 0.1 J 12 23 1.2 0.1 J 0.6	ND@0.5 ND@0.5 ND@0.5 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 0.8 ND@0.5 ND@0.5 ND@0.5 ND@0.5	4.3 ND@0.5 ND@0.5 0.8 ND@0.5 ND@0.5 ND@0.5 ND@0.5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	4.5 ND@0.5 ND@0.5 ND@0.5 15 ND@0.5 ND@0.5	5.8 ND@0.5 ND@0.5 ND@0.5 12 ND@0.5 0.8	5.2 ND@0.5 ND@0.5 ND@0.5 11 ND@0.5 0.8	0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 0.3 J	0.4 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 0.3 J	ND@0.5 ND@0.5 ND@0.5 ND@0.5 0.1 J ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		373 GW MON WELL 07/17/2017 9115305 P	374 GW MON WELL 02/28/2017 8862987 P	374 GW MON WELL 07/17/2017 9115304 P	378 GW MON WELL 06/13/2017 9052939 P	378 GW MON WELL 07/18/2017 9115320 P	378 GW MON WELL 10/04/2017 9250807 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.72 1023 12.4 1.8	7.69 530 7.4 1.99	8.01 411 18 0.75	7.48 1660 16.3 3.34	7.01 1822 12.8 0.8	6.89 1980 11.7 0.78
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	3.2 ND@0.5 ND@0.5 0.4 J ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	690 95 ND@2.5 1000 89 23 ND@2.5 1.8 J	130 5.5 ND@2.5 450 22 8.4 ND@2.5 0.9 J	90 6.7 ND@0.5 390 22 9.1 ND@0.5 0.9
CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@2.5 120 ND@2.5 ND@2.5 ND@2.5 110 ND@2.5 35	ND@2.5 46 ND@2.5 ND@2.5 ND@2.5 16 ND@2.5 23	ND@0.5 36 ND@0.5 ND@0.5 ND@0.5 14 ND@0.5 31

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		379 GW MON WELL 10/04/2017 9250808 P	382 GW MON WELL 10/05/2017 9253886 P	383 GW MON WELL 06/13/2017 9052956 P	383 GW MON WELL 10/03/2017 9247740 P	386 GW MON WELL 03/01/2017 8865355 P	387 GW MON WELL 03/01/2017 8865366 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.9 2100 11.9 1.18	7.27 470 15.4 2.72	7.15 2740 15.8 1.62	7.27 2800 15.2 0.94	6.42 700 10.4 1.09	7.45 284 4.6 0.96
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	1.3 ND@0.5 ND@0.5 4.7 0.4 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.3 J ND@0.5	1.8 ND@0.5	1.9 ND@0.5 ND@0.5 0.5 J 0.2 J ND@0.5	29 0.5 J ND@0.5 36 21 ND@0.5 0.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 0.1 J	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		392 GW MON WELL 06/15/2017 9052979 P	392 GW MON WELL 10/05/2017 9253887 P	393 GW MON WELL 03/02/2017 8866909	393 GW MON WELL 06/13/2017 9052922	393 GW MON WELL 07/20/2017 9115368	393 GW MON WELL 10/03/2017 9247749
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU	7.41	7.09	6.77	7.18	7.05	7.49
	umhos/cm	2190	2700	2960	2720	3031	3220
	C	12.3	12.6	11.6	15.7	12.5	13.7
	NTU	1.58	2.54	18.5	31.8	62.7	38.3
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	0.6	1.1	880	1000	740	860
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	110	100	89	110
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
1,1-DICHLOROETHANE	ug/L	0.4 J	0.7	1100	1400	1000	1100
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	99	120	100	110
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	21	25	19	20
1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
	ug/L	ND@0.5	ND@0.5	1.7 J	1.8 J	1.3 J	1.6 J
	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	130	150	130	140
	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
	ug/L	ND@0.5	ND@0.5	ND@5	ND@5	ND@5	ND@5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L	0.5 ND@0.5 ND@0.5	0.8 ND@0.5 ND@0.5	190 ND@5 20	230 ND@5 23	180 ND@5 16	190 ND@5 18

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		394 GW MON WELL 06/15/2017 9052980 P	394 GW MON WELL 10/05/2017 9253888 P	395 GW MON WELL 10/05/2017 9253893 P	397 GW MON WELL 10/03/2017 9247729 P	398 GW MON WELL 06/14/2017 9052959 P	398 GW MON WELL 10/03/2017 9247730 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.79 3050 13.2 2.29	6.61 3940 13.4 1.49	7.16 2780 13.9 12	7.6 700 13.5 0.91	6.77 690 11.3 1.11	7.06 1490 13.4 0.8
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	1100 110 ND@10 1100 120 21 ND@10 ND@10 ND@10 ND@10 ND@10 ND@10	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	1.9 ND@0.5 ND@0.5 8.8 3.1 0.6 ND@0.5 0.4 J ND@0.5 1.1 ND@0.5 ND@0.5	6.7 0.3 J ND@0.5 8.7 4.2 0.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@10 240 ND@10 17	ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 2.5 ND@0.5 0.2 J	ND@0.5 8.9 ND@0.5 0.2 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		399 GW MON WELL 02/28/2017 8863005 P	399 GW MON WELL 06/13/2017 9052934 P	399 GW MON WELL 07/18/2017 9115316 P	399 GW MON WELL 10/03/2017 9247745 P	404 GW EXTR WELL 03/03/2017 8866921	404 GW EXTR WELL 06/12/2017 9052914
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.17 3280 5.3 0.91	7.21 2080 14.7 2.34	7.14 2311 17.8 0.56	7.03 4730 17.2 0.93	7.4 1260 10.2 11.2	7.09 1270 12.9 6.88
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	5.8 32 ND@0.5 4.5 1.1 7.2 0.1 J ND@0.5 0.9 27	7.1 40 ND@0.5 5.8 1.3 9.3 ND@0.5 ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 0.1 J	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 0.2 J	ND@0.5 ND@0.5 0.1 J 120 ND@0.5 0.3 J	1.2 ND@0.5 0.2 J 150 ND@0.5 0.3 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		404 GW EXTR WELL 07/19/2017 9115361	404 GW EXTR WELL 10/05/2017 9253900	405 GW EXTR WELL 03/03/2017 8866922	405 GW EXTR WELL 06/12/2017 9052915	405 GW EXTR WELL 07/19/2017 9115362	405 GW EXTR WELL 10/05/2017 9253901
Parameter	Units						
Indicator Parameters							
PH	SU	7.29	7.44	7.53	7.3	7.47	7.82
SPECIFIC CONDUCTANCE	umhos/cm	1380	1590	750	533	653	603
TEMPERATURE TURBIDITY	C NTU	11.7 1.51	12.4 4.42	8.4 1.16	11.1 2.94	11.5 1.28	13.1 2.08
TORBIDITY	NIO	1.51	4.42	1.10	2.94	1.28	2.08
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	6.9	7.8	16	16	16	20
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	43	40	50	35	31	23
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	5.1	5.4	5.6	4.9	4	3.7
1,1-DICHLOROETHENE	ug/L	1.4	1.5	3.9	4	4.4	5.2
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	8.1	7.7	3.2	3.6	2.4	1.6
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	1.3	1.1	0.2 J	0.2 J	0.1 J	0.1 J
CIS-1,2-DICHLOROETHENE	ug/L	29	27	22	22	22	21
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	0.6	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.2 J	0.2 J	0.4 J	0.4 J	0.3 J	0.3 J
TRICHLOROETHENE	ug/L	140	140	87	94	86	80
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	0.2 J	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		413 GW EXTR WELL 03/03/2017 8866916	413 GW EXTR WELL 06/13/2017 9052919	413 GW EXTR WELL 07/19/2017 9115342	413 GW EXTR WELL 10/05/2017 9253897	414 GW EXTR WELL 03/03/2017 8866917	414 GW EXTR WELL 06/13/2017 9052920
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU	6.37	6.66	6.73	6.64	6.61	6.83
	umhos/cm	2930	2770	2810	3170	3680	3390
	C	12.8	15.8	15.6	13.9	12.7	15.9
	NTU	23.1	2.44	4.12	4.73	52.6	17.2
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	38	42	41	41	550	490
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	3.9	4	4.2	4.8	72	59
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5	ND@5
1,1-DICHLOROETHANE	ug/L	80	95	87	86	1300	1400
1,1-DICHLOROETHENE	ug/L	12	15	16	15	68	81
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.5	1.7	1.6	1.6	26	30
1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L	0.1 J	0.1 J	0.1 J	0.1 J	ND@5	ND@5
	ug/L	0.3 J	0.3 J	0.2 J	0.3 J	1.7 J	1.8 J
	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@5	ND@5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	13	16	16	16	76	90
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5	ND@5
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5	ND@5
TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L	0.1 J	0.2 J	0.2 J	0.2 J	1.9 J	2.1 J
	ug/L	38	47	43	45	290	310
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5	ND@5
	ug/L	1.1	1.3	1	1.1	11	12

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		414 GW EXTR WELL 07/19/2017 9115344	414 GW EXTR WELL 10/05/2017 9253898	415 GW EXTR WELL 03/03/2017 8866915	415 GW EXTR WELL 06/12/2017 9052917	415 GW EXTR WELL 07/18/2017 9115327	415 GW EXTR WELL 10/05/2017 9253896
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.88 3772 14.2 1.74	6.75 3110 14 27.8	6.85 5900 15.3 58.6	6.96 5140 20.8 73.3	7.23 5315 16.6 4.52	6.66 5100 17 10
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	490 53 ND@5 1300 75 26 ND@5 1.3 J ND@5 81 ND@5	46 5.5 ND@0.5 100 13 1.9 0.1 J 0.3 J ND@0.5 17 ND@0.5	1200 130 6.3 J 1100 980 ND@25 ND@25 ND@25 ND@25 ND@25 ND@25	1000 84 4.5 J 850 640 6.8 J ND@10 ND@10 ND@10 1800 ND@10	1600 130 6.1 J 1200 1100 8.2 J 2 J ND@10 ND@10 2600 ND@10	1400 110 6.5 J 1100 920 8.2 J 2.5 J ND@10 ND@10 2700 ND@10
METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L	ND@5 2.3 J 280 ND@5 9.8	ND@0.5 0.2 J 48 ND@0.5 1.2	ND@25 13 J 1400 ND@25 170	ND@10 9.7 J 1100 ND@10 96	ND@10 14 1600 ND@10 140	ND@10 18 1600 ND@10 150

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		416 GW EXTR WELL 03/03/2017 8866920	416 GW EXTR WELL 06/13/2017 9052921	416 GW EXTR WELL 07/19/2017 9115343	416 GW EXTR WELL 10/05/2017 9253899	521 GW MON WELL 06/13/2017 9052937 P	521 GW MON WELL 07/18/2017 9115318 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7 3040 11.4 820	7.21 2790 16.7 1000	6.73 2810 15.6 4.12	6.73 3070 13.7 388	7.33 2580 16.8 2.29	7.32 2396 22.3 1.35
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	530 55 ND@5 1100 67 20 ND@5 1.9 J ND@5	600 46 ND@5 1000 75 13 ND@5 2.1 J ND@5	590 42 ND@5 890 79 11 ND@5 1.5 J ND@5	48 4.6 0.1 J 100 5.1 1.6 0.1 J 0.3 J ND@0.5	160 15 ND@5 740 34 13 ND@5 3.9 J ND@5	150 13 ND@5 660 36 11 ND@5 3.1 J ND@5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	80 ND@5 ND@5 1.1 J 220 ND@5 8.8	97 ND@5 ND@5 ND@5 140 ND@5 8.4	93 ND@5 ND@5 ND@5 130 ND@5 7.3	16 ND@0.5 ND@0.5 0.2 J 46 ND@0.5 0.8	34 ND@5 ND@5 ND@5 4.7 J ND@5 30	38 ND@5 ND@5 ND@5 5.9 ND@5 23

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		521 GW MON WELL 10/03/2017 9247747 P	522 GW MON WELL 02/28/2017 8863009 P	522 GW MON WELL 06/13/2017 9052938 P	522 GW MON WELL 07/18/2017 9115317 P	522 GW MON WELL 10/03/2017 9247748 P	524 GW MON WELL 03/01/2017 8865343 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU	7.4	7.62	7.61	7.65	7.47	7.83
	umhos/cm	3100	3060	2500	2362	3020	2170
	C	19.2	6.7	19.4	21.3	18.2	10.6
	NTU	1.01	1.63	4.64	0.5	0.85	0.75
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	ug/L	140	190	250	230	200	ND@0.5
	ug/L	11	17	31	27	24	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	630	510	580	590	510	0.2 J
	ug/L	28	32	47	42	41	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	12	9.1	12	11	10	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	2.7 J	1.5 J	1.2 J	1.4 J	1.4 J	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	40	38	54	47	43	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	2.5 J	17	32	28	22	ND@0.5
	ug/L	ND@5	ND@2.5	ND@2.5	ND@2.5	ND@5	ND@0.5
	ug/L	24	9.6	10	11	10	ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		524 GW MON WELL 06/13/2017 9052951 P	524 GW MON WELL 07/19/2017 9115336 P	524 GW MON WELL 10/03/2017 9247737 P	529 GW MON WELL 02/28/2017 8863008 P	529 GW MON WELL 06/13/2017 9052936 P	529 GW MON WELL 07/18/2017 9115319 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.62 1920 15.7 3.08	7.47 2055 16.3 0.46	7.56 2300 16.2 1.33	7.46 8610 6.4 1.16	7.41 1700 19 6.18	7.33 1400 23.3 0.63
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 O.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 O.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		529 GW MON WELL 10/03/2017 9247746 P	532 GW MON WELL 03/01/2017 8865342 P	532 GW MON WELL 06/13/2017 9052952 P	532 GW MON WELL 07/19/2017 9115337 P	532 GW MON WELL 10/03/2017 9247738 P	534 GW MON WELL 02/28/2017 8863004 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.6 1490 19.7 1.05	7.33 1380 8.5 2.94	7.24 1400 15 1.87	7.24 1574 17.5 0.51	7.27 1850 16.6 1.52	6.32 2660 7.6 1.58
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	6.2 ND@0.5	6.5 ND@0.5	0.9 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		534 GW MON WELL 06/13/2017 9052935 P	534 GW MON WELL 07/18/2017 9115315 P	534 GW MON WELL 10/03/2017 9247744 P	540 GW MON WELL 02/28/2017 8863013 P	540 GW MON WELL 07/18/2017 9115312 P	541 GW MON WELL 02/28/2017 8865339 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.55 2240 16.6 2.06	7.51 2063 23.3 0.8	7.55 2700 20 0.84	7.97 830 8.8 8.77	7.71 708 12.8 0.67	8.16 720 9.6 9.77
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 O.3 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	ND@0.5 ND@0.5 0.2 J	ND@0.5 ND@0.5 0.2 J	ND@0.5 ND@0.5 0.2 J	ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5	1.1 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		541 GW MON WELL 07/18/2017 9115309 P	542 GW MON WELL 02/28/2017 8865340 P	542 GW MON WELL 07/18/2017 9115310 P	543 GW MON WELL 02/28/2017 8863012 P	543 GW MON WELL 07/18/2017 9115311 P	601 GW MON WELL 06/14/2017 9052963 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.61 669 13.1 0.69	7.92 1210 8.5 1.6	7.75 1191 15.5 0.8	7.04 2030 10.9 1.03	7.09 1545 12.7 0.63	6.96 2700 14.8 0.92
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHANE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 1.3 ND@0.5 0.1 J ND@0.5 1.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 1.1 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	1.1 ND@0.5 ND@0.5	ND@0.5 ND@0.5 1	ND@0.5 ND@0.5 1	ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5	0.1 J ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		601 GW MON WELL 10/03/2017 9247734 P	602 GW MON WELL 06/14/2017 9052964 P	602 GW MON WELL 10/03/2017 9247732 P	603 GW MON WELL 06/14/2017 9052958 P	603 GW MON WELL 10/03/2017 9247728 P	604 GW MON WELL 06/15/2017 9052976 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.18 2310 16.5 0.73	7.29 830 13.5 1.04	7.05 2320 14.2 0.83	6.63 370 11.4 0.76	7.23 1190 13.9 0.99	6.41 2930 13 0.74
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.5 J ND@0.5	12 0.4 J ND@0.5 3.1 2.4 0.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5	0.2 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		604 GW MON WELL 10/05/2017 9253890 P	605 GW MON WELL 10/05/2017 9253891 P	606 GW MON WELL 02/28/2017 8863010 P	606 GW MON WELL 06/13/2017 9052940 P	606 GW MON WELL 07/18/2017 9115321 P	606 GW MON WELL 10/04/2017 9250809 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.33 3770 16.5 1.97	6.41 287 15.1 4.28	7.37 1610 10.6 1.02	8.25 349 16 6.98	7.4 357 12.9 0.76	6.87 1060 11.8 1.08
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5 ND@0.5 0.6 0.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.3 J ND@0.5 ND@0.5 0.8 0.3 J ND@0.5	1.4 ND@0.5 ND@0.5 0.6 0.3 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		607 GW MON WELL 02/28/2017 8863011 P	607 GW MON WELL 06/13/2017 9052941 P	607 GW MON WELL 07/18/2017 9115322 P	607 GW MON WELL 10/04/2017 9250810 P	608 GW MON WELL 06/14/2017 9052960 P	608 GW MON WELL 10/03/2017 9247733 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU	7.11	7.39	7.6	7.35	7.13	7.11
	umhos/cm	2440	1680	136	164	1700	1940
	C	11.2	14.9	12.7	12.1	13	14.6
	NTU	0.99	9.12	0.76	1.02	0.93	0.88
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	2.9	3.1	2.8	2.3	3.5	0.7
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.2 J	0.2 J	ND@0.5	0.2 J	0.2 J
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	24	26	25	21	5.7	9.1
1,1-DICHLOROETHENE	ug/L	1.9	2.2	2	2	2.4	2.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	0.4 J	0.4 J	0.3 J	0.3 J	0.5
1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L	1.1	1.3	1.1	0.9	3.2	5.7
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L	2.1 ND@0.5 1.6	2.3 ND@0.5 1.4	2.3 ND@0.5 1.4	2.3 ND@0.5 1.2	18 ND@0.5 0.6	15 ND@0.5 3.3

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		609 GW MON WELL 06/15/2017 9052974 P	609 GW MON WELL 07/18/2017 9115324 P	609 GW MON WELL 10/04/2017 9250800 P	610 GW MON WELL 06/14/2017 9052967 P	610 GW MON WELL 10/03/2017 9250782 P	611 GW MON WELL 06/13/2017 9052923
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.21 840 13.9 1.16	7.38 639 13.8 0.8	7.58 630 15.1 1.57	5.89 7450 15.4 8.1	6.66 2120 15.3 1.43	6.7 24550 17.3 14.9
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L ug/L ug/L ug/L ug/L ug/L	3300 420 ND@25 2000 100 47	3200 380 ND@25 1900 98 43	3100 360 ND@25 1900 110 40	38 1.5 0.4 J 9.7 19 ND@0.5	140 6.6 1.9 J 38 93 ND@2.5	ND@0.5 ND@0.5 ND@0.5 0.8 ND@0.5 ND@0.5
1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@25 ND@25 ND@25 120 ND@25 ND@25 ND@25	ND@25 ND@25 ND@25 120 ND@25 ND@25 ND@25	ND@25 ND@25 ND@25 130 ND@25 ND@25 ND@25	0.1 J ND@0.5 0.1 J 11 ND@0.5 0.5 4.1 54	0.6 J ND@2.5 0.5 J 44 ND@2.5 2.2 J 16 220	ND@0.5 ND@0.5 ND@0.5 0.4 J ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@25 11 J	ND@25 12 J	ND@25 13 J	ND@0.5 ND@0.5	ND@2.5 ND@2.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		611 GW MON WELL 10/03/2017 9247750	612 GW MON WELL 06/14/2017 9052970 P	612 GW MON WELL 10/04/2017 9250801 P	613 GW MON WELL 06/14/2017 9052971 P	613 GW MON WELL 10/04/2017 9250802 P	614 GW MON WELL 03/01/2017 8865341 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.82 27820 19.3 875	5.95 7880 16.6 0.95	6.39 990 15 1.55	5.74 9090 15.1 1.29	5.59 11540 14.5 3.29	8.57 346 10.2 1.07
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 O.8 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	260 7.3 2 J 110 110 ND@5 2.3 J 1.7 J ND@5 140 ND@5 8.7 3.9 J 660	240 6.1 1.9 J 110 100 ND@5 2.3 J 1.4 J ND@5 130 ND@5 8.2 3.4 J 600	170 4.4 1.3 59 56 1.1 1.2 1.1 0.4 J 68 ND@1 3.4 10 360	160 3.8 1.2 J 59 60 ND@2.5 1.1 J 1 J ND@2.5 70 ND@2.5 3 9.3 360	ND@0.5 ND@0.5 ND@0.5 0.3 J 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 ND@0.5	ND@5 7.9	ND@5 8.3	ND@1 5.2	ND@2.5 5.6	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		615 GW MON WELL 10/03/2017 9247731 P	616 GW MON WELL 06/15/2017 9052975 P	616 GW MON WELL 10/04/2017 9250804 P	617 GW MON WELL 06/14/2017 9052972 P	617 GW MON WELL 10/04/2017 9250803 P	618 GW MON WELL 06/13/2017 9052942 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.61 2180 13.6 0.68	6.47 628 13.7 0.92	6.87 750 19.2 0.88	7.25 650 15.8 1.17	7.65 620 19.8 1.42	7.16 489 14 3.89
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	0.4 J ND@0.5 ND@0.5 1.7 0.2 J ND@0.5	0.3 J ND@0.5	0.3 J ND@0.5	0.3 J ND@0.5	0.2 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 0.6	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location		618	619	621	621	622	622
Sample Description Sample Date		GW MON WELL 10/03/2017	GW MON WELL 02/28/2017	GW MON WELL 02/28/2017	GW MON WELL 07/18/2017	GW MON WELL 02/28/2017	GW MON WELL 07/18/2017
Laboratory Sample I.D.		9247742	8863003	8862999	9115332	8863000	9115334
Sample Comment Codes		9247742 P	Р	P	9113332 P	Р	9113334 P
Parameter	Units						
Indicator Parameters							
PH	SU	7.52	7.41	6.56	6.51	7.16	6.74
SPECIFIC CONDUCTANCE	umhos/cm	560	2740	3040	2934	2680	2668
TEMPERATURE	С	14.3	10.1	12.5	12.7	12.5	12.4
TURBIDITY	NTU	1.24	1	1.23	0.81	0.69	0.67
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	350	74	68	30	22
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	30	3.4	3.5	0.7	0.3 J
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	410	90	87	75	70
1,1-DICHLOROETHENE	ug/L	ND@0.5	74	8.1	7.6	4.3	3.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	4.4 J	1.8	1.9	2	1.9
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	2.2 J	0.3 J	0.2 J	0.2 J	0.1 J
CHLOROETHANE	ug/L	ND@0.5	1.2 J	0.2 J	0.1 J	0.2 J	0.2 J
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@5	0.1 J	0.1 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@5	0.1 J	ND@0.5	0.1 J	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	13	6	2.3	2.2	1.5	1.1
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@0.5	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	1.4 J	ND@0.5	ND@0.5	0.1 J	0.2 J

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		623 GW MON WELL 03/02/2017 8866898 P	624 GW MON WELL 03/02/2017 8866899 P	625 GW MON WELL 02/28/2017 8862990 P	625 GW MON WELL 06/13/2017 9052953 P	625 GW MON WELL 07/18/2017 9115307 P	625 GW MON WELL 10/04/2017 9250798 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	6.79 2950 12.5 2.03	6.79 1770 12.3 1.21	7.92 940 7.8 1.07	7.72 780 13.8 3.5	7.48 708 13.4 1.1	7.55 840 12.8 5.35
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	30 0.6 ND@0.5 30 2.5 0.6 0.1 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	48 1.2 ND@0.5 45 4.6 0.8 0.2 J 0.1 J 0.1 J ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 2.4 ND@0.5 2 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 0.6 ND@0.5 2.6 ND@0.5 7.6 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 1.5 ND@0.5 3.1 0.1 J 11 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 3.9 ND@0.5 3.3 0.3 J 13 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	1.4 ND@0.5 ND@0.5	3.1 ND@0.5 ND@0.5	0.1 J ND@0.5 1	0.2 J ND@0.5 14	0.4 J ND@0.5 22	0.7 ND@0.5 29

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		626 GW MON WELL 02/28/2017 8862991 P	626 GW MON WELL 07/18/2017 9115308 P	627 GW MON WELL 03/01/2017 8865357 P	627 GW MON WELL 07/19/2017 9115355 P	628 GW MON WELL 03/01/2017 8865358 P	629 GW MON WELL 03/02/2017 8866896 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.53 397 9.1 1.21	7.42 438 13.3 0.82	6.78 406 9.5 0.77	6.44 291 10.7 0.27	7.13 119 9.9 0.69	7.68 406 10.1 0.69
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.3 J 2.6 ND@0.5 0.3 J 0.1 J 1.5 ND@0.5 ND@0.5 1.2 5.8 ND@0.5 ND@0.5	0.3 J 2.3 ND@0.5 0.2 J 0.1 J 1.3 ND@0.5 ND@0.5 1.1 5.4 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 0.3 J ND@0.5 0.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TETRACHLOROETHENE TRICHLOROETHENE TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L ug/L ug/L	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 0.7 26 ND@0.5 ND@0.5	ND@0.5 0.5 27 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		630 GW MON WELL 03/02/2017 8866897 P	631 GW MON WELL 03/02/2017 8866904 P	631 GW MON WELL 07/19/2017 9115347 P	632 GW MON WELL 03/01/2017 8865352 P	632 GW MON WELL 07/19/2017 9115338 P	P04 GW MON WELL 10/04/2017 9250799 P
Parameter	Units						
Indicator Parameters							
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	7.86 691 6.9 0.74	7.01 432 9.1 1.17	7.11 481 16.6 0.65	6.96 4100 12.6 2.1	6.69 2343 14.1 0.91	7.13 860 18.1 1.4
Volatile Organics							
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	1.6 ND@0.5 ND@0.5 1.4 0.9 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.2 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	6.1 ND@0.5 ND@0.5 0.2 J 0.2 J ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5	0.3 J ND@0.5	ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5 ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L ug/L	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5	ND@0.5 ND@0.5

Sample Location Sample Description Sample Date Laboratory Sample I.D. Sample Comment Codes		P08 GW MON WELL 03/01/2017 8865344 P	P11 GW MON WELL 02/28/2017 8863002 P
Parameter	Units		
Indicator Parameters			
PH SPECIFIC CONDUCTANCE TEMPERATURE TURBIDITY	SU umhos/cm C NTU	8.09 5880 11.3 0.87	7.46 668 10.5 1.73
Volatile Organics			
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLORO-1,2,2-TRIFLUOROETHANE 1,2-DICHLOROETHANE (EDC) CHLOROETHANE CHLOROFORM (TRICHLOROMETHANE) CIS-1,2-DICHLOROETHENE DICHLORODIFLUOROMETHANE (FREON 12) METHYLENE CHLORIDE (DICHLOROMETHANE) TETRACHLOROETHENE TRICHLOROETHENE	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	41 10 ND@0.5 130 7.6 3.2 0.2 J 0.5 0.1 J ND@0.5 ND@0.5 ND@0.5	17 0.7 ND@0.5 14 0.5 J ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11) VINYL CHLORIDE	ug/L ug/L	ND@0.5 0.2 J	ND@0.5 ND@0.5

January 1, 2017 - December 31, 2017

Explanation of Reporting Conventions and Key to Comment Codes

Reporting Conventions

NA Not Analyzed

ND@X Not Detected at Detection Limit X

Code Explanation

Estimated value: the result is >= the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

P Sampled with a passive diffusion bag (PDB) sampling device.

APPENDIX G

STATISTICAL SUMMARY OF GROUNDWATER CHEMISTRY DATA 1993 - 2017

		Concentrations in micrograms per liter (ug/L)															
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
101	COUNT	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
101	MAXIMUM	ND	7.9	1.1	0.1	ND	140	65	0.6	1.5	0.8	ND	14	ND	0.06	ND	ND
101	MEDIAN	ND	ND	ND	ND	ND	0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	COUNT	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
106	MAXIMUM	0.41	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110	COUNT	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
110	MAXIMUM	ND	ND	ND	ND	ND	0.1	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND
110	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120	COUNT	54	54	54	54	54	54	54	54	54	53	54	54	54	54	54	54
120	MAXIMUM	75	4.9	12	ND	ND	3.3	0.15	ND	ND	ND	ND	ND	ND	ND	0.2	ND
120	MEDIAN	15.4	0.985	0.4	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120	MINIMUM	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124	COUNT	51	51	51	51	51	51	51	51	51	50	51	51	51	51	51	51
124	MAXIMUM	16	8	4	ND	ND	1.1	12	ND	ND	ND	19	ND	ND	ND	ND	ND
124	MEDIAN	0.4	ND	ND	ND	ND	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
125	COUNT	66	66	66	66	66	66	66	66	65	65	66	66	66	66	66	66
125	MAXIMUM	4100	490	650	0.1	19	2600	290	3.7	50	2.3	25	ND	ND	ND	2.9	ND
125	MEDIAN	275.5	121.5	74	ND	0.2	295.5	55.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
125	MINIMUM	0.5	0.7	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107																	
127	COUNT	50	50	50	50	50	50	50	50	50	50 ND	50	50	50	50 ND	50	50 ND
127	MAXIMUM MEDIAN	2000 69	300 4.05	240 6.25	0.1 ND	2.6 ND	2015 109.5	141.6	18 ND	4.3 ND	ND ND	230 ND	2.3 ND	ND ND	ND ND	0.71 ND	ND ND
127 127	MINIMUM	ND	4.05 ND	0.25 ND	ND	ND	28.8	ND	ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND
12/	74111411410141	שויו	שויי	שויי	שויי	שויי	20.0	שויי	טוי	שואי	שויי	מויי	שויי	שויי	שויי	שויי	יאט
128	COUNT	41	41	41	41	41	41	41	41	40	39	41	41	41	41	41	41
128	MAXIMUM	30822	11199	6903	ND	40	560	22204	564	1895	283	19000	3.3	ND	ND	160	200
128	MEDIAN	14436	4847	3000	ND	ND	ND	11000	ND	390.5	ND	ND	ND	ND	ND	ND	ND
128	MINIMUM	180	93	190	ND	ND	ND	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
129	COUNT	51	51	51	51	51	51	51	51	51	50	51	51	51	51	51	51
129	MAXIMUM	18	26	8	1	ND	25	0.32	0.2	ND	ND	0.37	ND	ND	ND	ND	0.21
129	MEDIAN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		Concentrations in micrograms per liter (ug/L)															
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
132	COUNT	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
132	MAXIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
132	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
132	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
122	COLINIT	67	67	67	67	67	67	67	67	CC	CE	67	67	67	67	67	67
133	COUNT MAXIMUM	67 1106	67 350	67 56	67 0.4	67 ND	67 8.68	67 0.2	67 0.2	66 41	65 2.62	67 5.3	67 0.2	67 ND	67 ND	67 0.1	67 0.5
133	MEDIAN	180	95.9	14	ND	ND	ND	ND	ND	3.25	ND	ND	ND	ND	ND	ND	ND
133	MINIMUM	49	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
133		73	20	140	.40	.40	.10	.10	110	,,,,,	110	110	115	(10	,,,,,	.40	.45
134	COUNT	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
134	MAXIMUM	0.2	0.2	ND	ND	ND	0.3	ND	ND	1.9	ND	ND	0.58	0.2	ND	ND	ND
134	MEDIAN	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
134	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
146	COUNT	63	63	63	63	63	63	63	63	63	62	63	63	63	63	63	63
146	MAXIMUM	14	5.3	2.22	0.6	ND	27	1.6	ND	1.9	2.4	0.34	ND	0.43	ND	ND	ND
146	MEDIAN	5.2	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
146	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
148	COUNT	52	52	52	52	52	52	52	52	52	51	52	52	52	52	52	52
148	MAXIMUM	980	8.9	190	ND	ND	4.52	0.9	ND	7	ND	ND	0.2	ND	ND	1.4	0.2
148	MEDIAN MINIMUM	281 ND	ND ND	15.15 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND
140	IVIIIVIIVIOIVI	ND	ND	ND	ND	ND	ND	ND	ND	IND	ND	ND	ND	ND	ND	ND	ND
149	COUNT	68	68	68	68	68	68	68	68	67	66	68	68	68	68	68	68
	MAXIMUM		70	24	0.2	ND	353	85	0.4	ND	ND	0.59	ND	ND	ND	ND	0.2
149	MEDIAN	14.4	22.7	5.75	ND	ND	31.5	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
149	MINIMUM	2.05	6.6	ND	ND	ND	8.5	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
157	COUNT	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
157	MAXIMUM	1.6	0.7	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
157	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
157	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
													-				
158	COUNT	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
158	MAXIMUM	1.4	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
158 158	MEDIAN MINIMUM	0.1 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
128	IVIIIVIIVIUIVI	טאו	טאו	טאו	אט	טוא	טויו	אט	טאו	טאו	טאו	טאו	טאו	אט	טאו	אט	אט
160	COUNT	67	67	67	67	67	67	67	67	66	65	67	67	67	67	67	67
160	MAXIMUM	170	17.8	42.1	ND	1.2	540	59	0.1	8.8	12	2.1	0.58	ND	ND	ND	0.2
160	MEDIAN	59	1.1	12	ND	ND	180	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
160	MINIMUM	0.34	ND	ND	ND	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	ĺ	Concentrations in micrograms per liter (ug/L)															
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
162	COUNT	67	67	67	67	67	67	67	67	67	65	67	67	67	67	67	67
162	MAXIMUM	500	33	200	ND	15.7	1790	180	1	2.7	ND	7.2	1	ND	ND	0.1	0.4
162	MEDIAN	88.5	0.7	20	ND	ND	307	25.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
162	MINIMUM	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
163	COUNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
163	MAXIMUM	0.8	ND	0.2	ND	ND	5.3	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
163	MEDIAN	ND ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND ND	ND	ND ND	ND	ND	ND	ND
163	MINIMUM	אט	ND	ND	ND	ND	ND	ND	טויו	ND	אט	ND	טוו	ND	ND	ND	ND
165	COUNT	62	62	62	62	62	62	62	62	61	61	62	62	62	62	62	62
165	MAXIMUM	122	25	31.4	0.3	0.4	370	100	2.6	3.96	0.2	3.8	0.2	0.51	ND	ND	0.2
165	MEDIAN	50	1.1	10.5	ND	ND	165	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
165	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
166	COUNT	52	52	52	52	52	52	52	52	51	50	52	52	52	52	52	52
166	MAXIMUM	1.2	2.1	0.3	ND	ND	14.8	9.4	1.2	2.3	3.57	ND	ND	0.2	ND	ND	1.19
166	MEDIAN	0.49	0.86	ND	ND	ND	4.315	1.65	ND	0.68	0.585	ND	ND	ND	ND	ND	ND
166	MINIMUM	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
167	COUNT	54	54	54	54	54	54	54	54	53	52	54	54	54	54	54	54
167	MAXIMUM	1.5	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND
167	MEDIAN	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
167	MINIMUM	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
470	COLINIT	66									C.F.						
178	COUNT MAXIMUM	66	66 20	66 19	66 ND	66 0.6	66 340	66	66 ND	66 1.1	65	1.2	66 0.4	66 ND	66 ND	66 ND	66 ND
178 178	MEDIAN	120 45.55	13	1.8	ND	ND	149.5	18 6.95	ND	ND	0.2 ND	ND	ND	ND	ND	ND	ND
178	MINIMUM	24	ND	ND	ND	ND	68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	IVIII VIII VIII VIII VIII VIII VIII VI		110	110	145	140	- 00	110	145	110	110	110	110	110	110	110	110
179	COUNT	82	82	82	82	82	82	82	82	82	81	82	82	82	82	82	82
179	MAXIMUM	58.6	12	10	ND	0.7	440	219	1.8	140	11	ND	0.3	5.5	1	ND	0.1
179	MEDIAN	21	1.375	4.54	ND	ND	86.9	9.85	ND	3.2	ND	ND	ND	ND	ND	ND	ND
179	MINIMUM	8	ND	ND	ND	ND	27	1.99	ND	ND	ND	ND	ND	ND	ND	ND	ND
181	COUNT	33	33	33	33	33	33	33	33	33	32	33	33	33	33	33	33
181	MAXIMUM	22	3.8	2	0.39	ND	1.21	0.32	ND	0.41	0.66	ND	ND	ND	ND	ND	ND
181	MEDIAN	7	0.1	ND	ND	ND	0.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
181	MINIMUM	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
183	COUNT	58	58	58	58	58	58	58	58	58	57 ND	58	58	58	58	58	58
183	MAXIMUM	25	1.8	0.8	ND	0.1	710	77 ND	0.3	0.3	ND	0.5	2.39	ND	ND	ND	ND
183	MEDIAN MINIMUM	10 ND	ND	ND	ND	ND	260.5	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
183	IVITIVITVIUIVI	ND	ND	ND	ND	ND	100	ND	ND	ND	טויו	ND	ND	ND	ND	ND	ND

		Concentrations in micrograms per liter (ug/L)															
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
185	COUNT	75	75	75	75	75	75	75	75	75	74	75	75	75	75	75	75
185	MAXIMUM	8.8	3.5	0.81	ND	ND	180	35.1	0.1	6.9	2.1	ND	2.2	0.7	ND	ND	0.89
185	MEDIAN	2.9	0.8	ND	ND	ND	53	2.1	ND	2.57	0.3	ND	ND	ND	ND	ND	ND
185	MINIMUM	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
186	COUNT	66	66	66	66	66	66	66	66	66	65	66	66	66	66	66	66
186	MAXIMUM	19	77	7.3	ND	0.27	351	108	0.51	128	222	1	6.2	4.44	ND	ND	0.45
186	MEDIAN	4.905	1.9	0.165	ND	ND	83.5	9.7	ND	14.65	1.3	ND	ND	ND	ND	ND	ND
186	MINIMUM	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
194	COUNT	68	68	68	68	68	68	68	68	66	65	68	68	68	68	68	68
194	MAXIMUM	100	33	22	5.6	ND	0.3	0.41	0.2	0.98	0.2	0.3	ND	ND	ND	ND	ND
194	MEDIAN	24.05	20.9	2.745	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
194	MINIMUM	0.2	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
306	COUNT	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
306	MAXIMUM	0.67	0.2	ND	ND	0.2	0.6	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND
306	MEDIAN MINIMUM	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
300	IVIIIVIIVIOIVI	ND	ND	ND	ND	ND	ND	ND	ND	IND	ND	ND	ND	ND	ND	ND	ND
308	COUNT	67	67	67	67	67	67	67	67	65	64	67	67	67	67	67	67
308	MAXIMUM	611	198	99	0.8	ND	4.43	1.3	0.1	8.2	1.3	0.5	0.2	ND	ND	ND	0.5
308	MEDIAN	318	84	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
308	MINIMUM	45	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
309	COUNT	61	61	61	61	61	61	61	61	61	60	61	61	61	61	61	61
_	MAXIMUM		15	2.5	ND	ND	19	0.13	ND	0.65	ND	0.1	0.2	1.1	ND	ND	ND
309	MEDIAN	2.7	ND	ND	ND	ND	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
309	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
313	COUNT	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
313	MAXIMUM	15.5	2.7	0.93	ND	ND	51.6	ND	ND	0.33	ND	ND	0.5	ND	ND	ND	ND
313	MEDIAN	4.61	0.995	0.195	ND	ND	18.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
313	MINIMUM	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
314	COUNT	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
314	MAXIMUM	0.77	0.57	0.3	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
314	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
314	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
246	60111	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
316	COUNT	49 2.9	49 0.25	49 ND	49 ND	49 ND	49 0.7	49 ND	49 ND	48 ND	48 ND	49 ND	49 ND	49 ND	49 ND	49 ND	49 ND
316	MAXIMUM MEDIAN	ND	0.25 ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND
316	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
320				,,,,			5						5	.,,,	,,,,		

		Concentrations in micrograms per liter (ug/L)															
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
317	COUNT	81	81	81	81	81	81	81	81	79	78	81	81	81	81	81	81
317	MAXIMUM	77.2	4.9	19	ND	0.3	244	27.3	ND	0.5	ND	0.61	0.1	ND	ND	ND	ND
317	MEDIAN	21.3	0.31	4	ND	ND	75	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
317	MINIMUM	1.3	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
210	COUNT	102	102	102	102	102	102	102	102	101	100	102	102	102	102	102	102
318	MAXIMUM	3.6	7	102	ND	ND	48	90	0.8	17	37	ND	0.92	3.01	102	ND	0.22
318	MEDIAN	ND	3.46	0.62	ND	ND	15.05	12.55	0.1	5.3	11	ND	ND	ND	ND	ND	ND
318	MINIMUM	ND	0.32	ND	ND	ND	1	0.62	ND	0.7	ND	ND	ND	ND	ND	ND	ND
								0.00		711							
319	COUNT	107	107	107	107	107	107	107	107	106	105	107	107	107	107	107	107
319	MAXIMUM	9.7	5.1	4.2	ND	ND	30	14	3.1	3.6	3.7	ND	0.27	0.36	2	ND	0.2
319	MEDIAN	ND	2.5	0.34	ND	ND	4.38	2.8	ND	1.2	1.4	ND	ND	ND	ND	ND	ND
319	MINIMUM	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
321	COUNT	68	68	68	68	68	68	68	68	66	65	68	68	68	68	68	68
321	MAXIMUM	9	3.5	0.68	ND	ND	17	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
321	MEDIAN	2.705	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
321	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
322	COUNT	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
322	MAXIMUM	ND	4.3	0.41	ND	0.18	0.92	13	1.05	9.7	18	ND	ND	2.6	4.5	ND	ND
322	MEDIAN	ND	1.8	ND	ND	ND	ND	2.8	ND	3.69	4.96	ND	ND	ND	ND	ND	ND
322	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
323	COUNT	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	99
323	MAXIMUM	0.2	5.3	1.1	ND	0.1	142	66	0.9	5.5	17.7	ND	0.3	2.14	1	ND	0.21
323	MEDIAN	ND	1.4	ND	ND	ND	30.3	1.76	ND	1.08	1.75	ND	ND	ND	ND	ND	ND
323	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
224	COUNT	70	70	70	70	70	70	70	70	69	69	70	70	70	70	70	70
324	MAXIMUM	8800	6919	1400	70 1.5	70 2.1	70 825	215	5.8	370	127	70 92	70 1	70 ND	ND	70 1.8	70 0.8
324	MEDIAN	425.5	215.5	120	ND	ND	500	44.5	ND	15.1	ND	ND	ND	ND	ND	ND	ND
324	MINIMUM	150	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
325	COUNT	54	54	54	54	54	54	54	54	54	53	54	54	54	54	54	54
325	MAXIMUM	1100	162	330	1	16	1400	122	4.3	19.1	1.7	15	0.6	ND	ND	1.3	0.7
325	MEDIAN	190	69	74.2	ND	4.6	410	38	ND	3.5	ND	2.05	ND	ND	ND	ND	ND
325	MINIMUM	85.9	41.3	26.7	ND	ND	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
351	COUNT	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
351	MAXIMUM	0.3	0.57	0.1	ND	ND	0.2 ND	1.1 ND	0.68	0.89	1.9	ND	ND	0.2	ND	ND	ND
351 351	MEDIAN MINIMUM	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
331	IVIIIVIIVIOIVI	ואט	ND	שאו	ND	ND	ND	ND	IND	IND	שאו	שאו	שואו	IND	טאו	שויו	שויו

_						Cc	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
352	COUNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
352	MAXIMUM	0.2	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
352	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
352	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
353	COUNT	35	35	35	35	35	35	35	35	35	34	35	35	35	35	35	25
353	MAXIMUM	31000	5900	8500	ND	ND	4683	349	15	147	ND	368	2.8	ND	ND	8.4	35 ND
353	MEDIAN	20967	3138	2365	ND	ND	3426	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
353	MINIMUM	ND	270	210	ND	ND	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			,														
354	COUNT	27	27	27	27	27	27	27	27	27	26	27	27	27	27	27	27
354	MAXIMUM	7300	190	2000	ND	50	2900	15.6	ND	3.7	ND	14	1	ND	ND	4.9	ND
354	MEDIAN	675	ND	83.4	ND	ND	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
354	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
355	COUNT	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
355	MAXIMUM	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
355	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
355	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
356	COUNT	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
356	MAXIMUM	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
356	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
356	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
357	COUNT	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
357	MAXIMUM	0.7	4.3	0.2	ND	ND	ND	ND	0.3	0.23	ND	0.29	ND	0.62	ND	ND	ND
357	MEDIAN	ND	0.175	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
357	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
358	COUNT	47	47	47	47	47	47	47	47	47	46	47	47	47	47	47	47
358	MAXIMUM	72	37	15	2	ND	35	3.36	1.1	2	3	0.27	0.2	0.33	2	ND	0.06
358	MEDIAN	13	17	5.6	ND	ND	10	0.99	ND	0.2	0.9	ND	ND	ND	ND	ND	ND
358	MINIMUM	5.9	6.3	0.87	ND	ND	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
361	COUNT	34	34	34	34	34	34	34	34	34	33	34	34	34	34	34	34
361	MAXIMUM	6.4	7.4	0.8	0.16	ND	4.1	1.3	ND	0.2	ND	0.13	0.1	ND	ND	ND	ND
361	MEDIAN	2.1	1.315	ND	ND	ND	0.875	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
361	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
362	COUNT	32	32	32	32	32	32	32	32	32	31	32	32	32	32	32	32
362	MAXIMUM		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
362	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
362	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

_						Cc	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
363	COUNT	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
363	MAXIMUM	8.6	5	1	ND	ND	0.69	ND	ND	ND	ND	ND	ND	0.84	ND	ND	ND
363	MEDIAN	1.81	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
363	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
364	COUNT	34	34	34	34	34	34	34	34	34	22	34	34	34	34	34	2.4
364	MAXIMUM	ND	ND	ND	ND	ND	ND	0.1	ND	ND	33 ND	ND	ND	ND	ND	ND	34 ND
364	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
364	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
365	COUNT	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	38
365	MAXIMUM	ND	ND	ND	ND	ND	14	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
365	MEDIAN	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
365	MINIMUM	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
366	COUNT	35	35	35	35	35	35	35	35	33	32	35	35	35	35	35	35
366	MAXIMUM	180	39	37	ND	0.92	138	16	0.54	6.8	4	1.6	1	ND	0.38	ND	ND
366	MEDIAN	28.4	8.7	5.3	ND	ND	22	2.6	ND	0.28	0.91	ND	ND	ND	ND	ND	ND
366	MINIMUM	ND	3.61	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
267	COLINIT	F.4	F.4	E 4	F.4	F.4	Γ.4	5 4	F 4	F.4	F2	F 4	F.4	F.4	F 4	54	F.4
367 367	COUNT MAXIMUM	54 144	54 13	54 24	54 0.1	54 ND	54 12	54 5.8	54 1.4	54 4.4	52 1.4	54 1.46	54 0.7	54 2.5	54 ND	54 0.2	0.1
367	MEDIAN	81.5	4.805	9.35	ND	ND	3	ND	ND	2.23	ND	ND	ND	ND	ND	ND	ND
367	MINIMUM	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
307	IVIIIVIIVIOIVI	32	IVE	IVE	IVD	IVD	NO	IVE	IVD	IVE	IVD	110	IVD	IVE	IVE	IVE	IVD
368	COUNT	48	48	48	48	48	48	48	48	47	47	48	48	48	48	48	48
-	MAXIMUM	31	53	15	4.6	0.2	71	32.2	7.5	0.6	2.1	0.45	0.81	0.84	ND	ND	ND
368	MEDIAN	ND	12	0.845	ND	ND	2.2	8.55	1	ND	0.4	ND	ND	ND	ND	ND	ND
368	MINIMUM	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
373	COUNT	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
373	MAXIMUM	22	3	0.77	ND	ND	0.9	0.1	ND	0.16	ND	ND	ND	ND	ND	ND	ND
373	MEDIAN	5.2	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
373	MINIMUM	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
374	COUNT	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
374	MAXIMUM	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND
374	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
374	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
378	COUNT	94	94	94	94	94	94	94	94	93	92	94	94	94	94	94	94
378	MAXIMUM	989	1200	110	2.3	ND	150	120	36	95	30	1.4	1	0.62	25	0.1	0.1
378	MEDIAN	43.5	58.4	2.8	ND	ND	1.285	2.79	ND	0.78	ND	ND	ND	ND	ND	ND	ND
378	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

379 COUNT 36 36 36 36 36 36 36 3						r (ug/L)	per lite	grams	n micro	ations i	ncentr	Cc						_
379 MAXIMUM 117 32 1.8 ND ND 0.3 2.97 1.1 2.8 2.8 ND ND ND ND ND ND ND N	1,2-Dichloroethane	1,1,2-Trichloroethane	Trichlorofluoromethane (Freon 11)	Dichlorodifluoromethane (Freon 12)	Chloroform	Methylene Chloride	Freon 123a	Freon 113	Vinyl Chloride	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Chloroethane	1,1-Dichloroethene	1,1-Dichloroethane	1,1,1-Trichloroethane	Statistical Measure	Well Identifier
379 MEDIAN ND ND ND ND ND ND ND	6 36	36	36	36	36	36		36	36	36	36	36	36	36		36	COUNT	379
379 MINIMUM ND ND ND ND ND ND ND N	_	ND				_					_							-
382 COUNT 32 32 32 32 32 32 32 3	_	ND				_					_							-
382 MAXIMUM 0.7 ND ND ND ND ND ND ND N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	MINIMUM	3/9
382 MAXIMUM 0.7 ND ND ND ND ND ND ND N	2 32	32	32	32	32	32	31	32	32	32	32	32	32	32	32	32	COLINIT	382
382 MEDIAN 0.05 ND ND ND ND ND ND ND N		ND			_		_							_				
382 MINIMUM ND ND ND ND ND ND ND N	_	ND				_								-				-
383 MAXIMUM 15 4.4 3 0.4 ND 23 1.1 ND 0.53 0.2 0.22 ND 0.69 ND ND ND 383 MEDIAN 5.8 1.9 0.88 ND ND 5.9 0.1 ND	_	ND			ND	_					_						MINIMUM	-
383 MAXIMUM 15 4.4 3 0.4 ND 23 1.1 ND 0.53 0.2 0.22 ND 0.69 ND ND ND 383 MEDIAN 5.8 1.9 0.88 ND ND 5.9 0.1 ND																		
383 MEDIAN 5.8 1.9 0.88 ND ND 5.9 0.1 ND ND ND ND ND ND ND N	3 63	63	63	63	63	63	62	63	63	63	63	63	63	63	63	63	COUNT	383
383 MINIMUM ND ND ND ND ND ND ND N	D ND	ND	ND	0.69	ND	0.22	0.2	0.53	ND	1.1	23	ND	0.4	3	4.4	15	MAXIMUM	383
386 COUNT 30 30 30 30 30 30 30 30 30 30 30 30 30	D ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	5.9	ND	ND	0.88	1.9	5.8	MEDIAN	383
386 MAXIMUM 87 36 21 ND 0.1 207 269 0.8 6.9 4.08 ND 0.1 ND	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	MINIMUM	383
386 MAXIMUM 87 36 21 ND 0.1 207 269 0.8 6.9 4.08 ND 0.1 ND																		
386 MEDIAN 31.5 16.5 7.1 ND ND 124.5 36.05 ND 0.35 ND	_	30												-				-
386 MINIMUM 14.9 6 ND ND ND 69.9 14 ND	_			_	_							_						-
387 COUNT 20 20 20 20 20 20 20 20 20 20 20 20 20	_	ND				_												-
387 MAXIMUM ND <	110	112	145	110	140	110	110	110	110		03.3	140	110	110	J	11.3	IVIII (III (III (III III III III III III	300
387 MEDIAN ND ND <t< td=""><td>0 20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>COUNT</td><td>387</td></t<>	0 20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	COUNT	387
387 MINIMUM ND	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	MAXIMUM	387
392 COUNT 67 67 67 67 67 67 67 67 67 67 67 67 67	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	MEDIAN	387
392 MAXIMUM 138 48 47 1.9 ND 280 25 1.7 4.5 3.2 1.2 0.6 ND ND 0. 392 MEDIAN 21 6 3 ND ND 45 1.9 ND	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	MINIMUM	387
392 MAXIMUM 138 48 47 1.9 ND 280 25 1.7 4.5 3.2 1.2 0.6 ND ND 0. 392 MEDIAN 21 6 3 ND ND 45 1.9 ND																		
392 MEDIAN 21 6 3 ND ND 45 1.9 ND	_	67																-
392 MINIMUM ND	_	0.4									_							-
393 COUNT 99 99 99 99 99 99 99 99 99 99 99 99 99	_					_					_							-
	J ND	ND	ND	ND	ND	ND	ND	ND	IND	ND	ND	ND	ND	ND	ND	ND	IVIIIVIIVIOIVI	332
	9 99	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	COUNT	393
393 MAXIMUM 1857 1400 120 2.7 ND 230 150 23 130 26 38.9 ND 0.2 ND N	_	ND	ND	0.2	ND			130	23		230	ND	2.7				MAXIMUM	
393 MEDIAN 440 740 45 ND ND 63 49.3 ND 43 4.22 ND ND ND ND ND N	D ND	ND	ND	ND	ND	ND	4.22	43	ND	49.3	63	ND	ND	45	740	440	MEDIAN	393
393 MINIMUM ND 1.5 ND	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	MINIMUM	393
	-	65																-
	_	ND									_							-
	_	ND				_					_							-
394 MINIMUM ND	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	IVIIIVIIVIUIVI	394
395 COUNT 36 36 36 36 36 36 36 36 36 36 36 36 36	6 36	36	36	36	36	36	35	36	36	36	36	36	36	36	36	36	COLINT	395
	_	ND																
	_	ND									_							-
	D ND	ND	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND	770	970	MINIMUM	395

						Cc	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
397	COUNT	26	26	26	26	26	26	26	26	26	25	26	26	26	26	26	26
397	MAXIMUM	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
397	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
397	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
398	COUNT	64	64	64	64	64	64	64	64	64	63	64	64	64	64	64	64
398	MAXIMUM	73	13	12	0.4	ND	17.6	2.2	0.6	1.6	0.99	0.55	0.14	0.12	ND	ND	ND
398	MEDIAN	13	7.2	3.95	ND	ND	3.95	0.42	ND	0.3	0.43	ND	ND	ND	ND	ND	ND
398	MINIMUM	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399	COUNT	101	101	101	101	101	101	101	101	101	100	101	101	101	101	101	101
399	MAXIMUM	35	12	11	1.2	ND	14	1.1	0.3	1	1	0.51	ND	ND	ND	ND	0.2
399	MEDIAN	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
404	COUNT	108	108	108	108	108	108	108	108	106	105	108	108	108	108	108	108
404	MAXIMUM MEDIAN	7.62	13 4.91	3.5 ND	1.5 ND	0.2 ND	440 229.5	35	0.7 ND	96 45	9.1	ND ND	1.8	16.5 ND	13.6 ND	ND ND	0.1 ND
404	MINIMUM	7.02 ND	4.91 ND	ND	ND	ND	98	20.05 ND	ND	ND	9.1 ND	ND	ND	ND	ND	ND	ND
707	IVIIIVIIVIOIVI	IVB	IVE	IVE	IVD	IVD	30	ND	110	ND	IVE	IVE	IVD	IVE	IVE	IVE	IVD
405	COUNT	109	109	109	109	109	109	109	109	109	107	109	109	109	109	109	109
405	MAXIMUM	50	8.2	24	ND	0.8	395	50	0.3	220	14	87	17	9.8	ND	ND	0.1
405	MEDIAN	21	4.1	3.15	ND	ND	131	23	ND	73	3.3	ND	0.1	ND	ND	ND	ND
405	MINIMUM	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
413	COUNT	111	111	111	111	111	111	111	111	109	108	111	111	111	111	111	111
_	MAXIMUM		1521	69.6	11	1.7	220	101	5.1	86.7	22	22	9285	55	ND	19	2.2
413	MEDIAN		77 ND	8.8	ND	ND	24	3.8	ND	2	0.265	ND	1.1	ND	ND	ND	ND
413	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
414	COUNT	108	108	108	108	108	108	108	108	107	106	108	108	108	108	108	108
414	MAXIMUM		14000	520	11	6.5	810	580	38	911	330	28	2394	1.1	36	2.3	2.3
414	MEDIAN		1250	115	ND	ND	270	83.05	ND	68	4.75	ND	ND	ND	ND	ND	ND
414	MINIMUM	4.57	1.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
415	COUNT	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
415	MAXIMUM	4300	4200	2500	1	65	2700	10000	510	490	42	50	1.5	ND	ND	32	2.9
415	MEDIAN	2200	1600	1300	ND	32	1500	3700	200	190	ND	ND	ND	ND	ND	10	ND
415	MINIMUM	1000	850	640	ND	9.7	700	1800	96	84	ND	ND	ND	ND	ND	ND	ND
116	COUNT	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
416	MAXIMUM	600	1100	110	4.2	1.1	220	97	9.8	55	20	ND	0.2	ND	ND	0.3	0.4
416	MEDIAN	400	850	75	1.9	ND	130	67	8	42	12	ND	ND	ND	ND	ND	ND
416	MINIMUM	48	100	5.1	0.3	ND	46	16	0.8	4.6	1.6	ND	ND	ND	ND	ND	ND
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						Со	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
521	COUNT	76	76	76	76	76	76	76	76	74	73	76	76	76	76	76	76
521	MAXIMUM	160	740	36	51	ND	5.9	40	30	16	13	0.3	2.6	0.33	ND	ND	ND
521	MEDIAN	12.1	35.1	2.13	0.6	ND	ND	0.725	0.935	ND	ND	ND	ND	ND	ND	ND	ND
521	MINIMUM	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
522	COUNT	107	107	107	107	107	107	107	107	107	106	107	107	107	107	107	107
522	MAXIMUM	381	630	48	1.6	ND	32	54	18	36	106	0.4	107 ND	0.3	11	ND	107 ND
522	MEDIAN	59	139	8.7	ND	ND	0.56	7.1	0.57	2.5	ND	ND	ND	ND	ND	ND	ND
522	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<u> </u>																	
524	COUNT	60	60	60	60	60	60	60	60	60	59	60	60	60	60	60	60
524	MAXIMUM	ND	0.2	ND	ND	ND	0.2	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND
524	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
524	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
529	COUNT	95	95	95	95	95	95	95	95	95	94	95	95	95	95	95	95
529	MAXIMUM	1.06	4.9	0.36	0.43	ND	0.2	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND
529	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
529	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
532	COUNT	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
532	MAXIMUM	15	16.7	3.56	0.12	ND	8	1.04	0.3	0.46	0.96	0.23	ND	ND	ND	ND	ND
532	MEDIAN	1	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
532	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
534	COUNT	96	96	96	96	96	96	96	96	93	93	96	96	96	96	96	96
534	MAXIMUM	1.2	1.6	0.09	0.2	ND	2	1	0.22	ND	ND	0.37	ND	0.85	ND	ND	ND
534	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
534	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
540	COUNT	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
540	MAXIMUM	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
540	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
540	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541	COUNT	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
541	MAXIMUM	0.1	ND	ND	ND	ND	2.7	0.3	0.1	ND	ND	ND	ND	ND	ND	ND	ND
541	MEDIAN	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
542	COUNT	49 ND	49 ND	49 ND	49 ND	49	49	49 ND	49	49	49 ND	49	49	49 ND	49 ND	49	49
542	MAXIMUM	ND	ND	ND	ND	ND	0.2	ND	1.2	1.8	ND	ND	ND	ND	ND	ND	ND
542	MEDIAN MINIMUM	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	0.44 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
342	IVIIIVIIVIOIVI	טאו	שאו	שאו	שאו	עווו	ND	IND	שאו	IND	IND	שואו	שואו	IND	טאו	שויו	שויו

						Cc	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
543	COUNT	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
543	MAXIMUM	1.8	1.36	1.8	ND	ND	8.5	17.4	ND	5.9	10	ND	0.94	1.18	1.8	ND	ND
543	MEDIAN	ND	0.2	ND	ND	ND	ND	3.93	ND	1.42	2.5	ND	ND	ND	ND	ND	ND
543	MINIMUM	ND	ND	ND	ND	ND	ND	0.9	ND	0.3	ND	ND	ND	ND	ND	ND	ND
601	COUNT	64	64	64	64	64	64	64	64	60	60	64	64	64	64	64	64
601	MAXIMUM	2.1	6.3	0.42	0.54	ND	0.86	0.15	ND	ND	0.57	0.4	ND	0.94	ND	ND	ND
601	MEDIAN	ND	1.195	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
601	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
												–					
602	COUNT	67	67	67	67	67	67	67	67	61	61	67	67	67	67	67	67
602	MAXIMUM	41	9.5	7.8	0.16	ND	90	6.1	ND	2.6	0.67	1.3	0.45	0.67	ND	ND	ND
602	MEDIAN	16	4.2	2.2	ND	ND	34	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
602	MINIMUM	0.2	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
603	COUNT	62	62	62	62	62	62	62	62	59	59	62	62	62	62	62	62
603	MAXIMUM	3.9	3.8	0.17	ND	ND	2.7	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND
603	MEDIAN	0.475	0.615	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
603	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
604	COUNT	52	52	52	52	52	52	52	52	49	49	52	52	52	52	52	52
604	MAXIMUM	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	0.11	0.14	ND	ND	ND	ND
604	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
604	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
605	COUNT	45	45	45	45	45	45	45	45	42	42	45	45	45	45	45	45
605	MAXIMUM	0.1	ND	ND	ND	ND	1.8	0.1	ND	ND	ND	ND	ND	0.63	ND	ND	ND
605	MEDIAN	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
605	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
606	COUNT	109	109	109	109	109	109	109	109	101	101	109	109	109	109	109	109
606	MAXIMUM	50	23	22	0.35	ND	35	9.5	3.4	2.2	1.1	0.48	0.3	ND	ND	0.2	ND
606	MEDIAN	13	1.5	2.3	ND	ND	3	0.64	0.2	ND	ND	ND	ND	ND	ND	ND	ND
606	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
607	COUNT	107	107	107	107	107	107	107	107	102	102	107	107	107	107	107	107
607	MAXIMUM	71	26	21	0.2	ND	46	9.9	1.6	2.3	1	0.48	0.3	ND	ND	1.3	ND
607	MEDIAN	9.1	2.6	3.83	ND	ND	8.1	0.6	0.4	0.2	ND	ND	ND	ND	ND	ND	ND
607	MINIMUM	ND	ND	0.4	ND	ND	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
600	COLINT	60	60	60	60	60	60	60	60	62	62	60	60	60	60	60	60
608	COUNT MAXIMUM	68 220	68 21	68 44	68 2.4	68 ND	68 140	7.32	68 6.6	62 3.2	62 1.46	68 0.51	68 0.2	68 ND	68 ND	68 ND	68 ND
608	MEDIAN	13.5	8.5	4.95	ND	ND	26.5	1.6	0.235	0.305	0.5	ND	ND	ND	ND	ND	ND
608	MINIMUM	0.6	2	1.8	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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						Cc	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
609	COUNT	47	47	47	47	47	47	47	47	41	41	47	47	47	47	47	47
609	MAXIMUM	25949	4664	319	2.3	28	480	356	16	1144	150	ND	ND	166	ND	0.65	16
609	MEDIAN	6736	2748	110	ND	ND	140	89	ND	480	ND	ND	ND	ND	ND	ND	ND
609	MINIMUM	226	186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
610	COUNT	58	58	58	58	58	58	58	58	50	50	58	58	56	56	58	58
610	MAXIMUM	1200	182	250	0.3	68	1300	139.6	0.7	29	2	16	2.2	ND	ND	9.3	1.5
610	MEDIAN	220	68	100	ND	21	373.5	48.5	ND	8.35	ND	2.4	ND	ND	ND	ND	ND
610	MINIMUM	38	9.7	19	ND	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
611	COLINIT									40	40						
611	COUNT	52	52	52	52	52	52	52	52	49 ND	49 ND	52	52	52	52 ND	52	52
611	MAXIMUM	9.9	23	1.3	0.12	0.26	6.5	5.1	0.4	ND	ND	0.14	ND	0.45	ND	ND	ND
611	MEDIAN MINIMUM	ND	2.49	ND	ND	ND	0.67	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
611	IVIIIVIIVIOIVI	ND	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
612	COUNT	67	67	67	67	67	67	67	67	59	59	67	67	67	67	67	67
612	MAXIMUM	2900	350	710	150	4.4	2700	310	120	33	2.4	86	2.1	ND	ND	4	3.3
612	MEDIAN	650	155	174	ND	ND	926	140	ND	ND	ND	10.6	ND	ND	ND	ND	ND
612	MINIMUM	4.66	ND	1.5	ND	ND	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
012			.,,,	2.0		,,,,	3.0	,,,,	.,,,	.,,,	.,,,	.,,,		.,,_	.,,,	,,,,	.,,_
613	COUNT	70	70	70	70	70	70	70	70	62	62	70	70	70	70	70	70
613	MAXIMUM	2200	250	480	18	25	2200	220	29	39	2	44	1.2	32	ND	6.2	2
613	MEDIAN	591.5	140	145	ND	7.85	693.5	120	2.1	4.45	ND	5.55	ND	ND	ND	ND	ND
613	MINIMUM	101	54	51	ND	ND	259	66	ND	ND	ND	ND	ND	ND	ND	ND	ND
614	COUNT	34	34	34	34	34	34	34	34	33	33	34	34	34	34	34	34
614	MAXIMUM	0.85	0.95	0.2	ND	ND	0.54	1.3	ND	ND	ND	ND	ND	0.34	ND	ND	ND
614	MEDIAN	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
614	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
615	COUNT	25	25	25	25	25	25	25 ND	25	25 ND	25	25	25	25 ND	25 ND	25	25
615	MAXIMUM	3.9	1.7	0.3	0.1	ND	0.2	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND
615	MEDIAN	0.4	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
615	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
616	COUNT	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
616	MAXIMUM	0.54	0.1	ND	ND	ND	18	ND	ND	1.7	ND	ND	ND	1.5	ND	ND	ND
616	MEDIAN	0.34	ND	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
616	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
310		,,5	,,5	.,,,	.,5	.,5	.,5	.,5	.,5	.,5	.,,,	,,,,	.,5	,,,,	,,,,	.,5	.,5
617	COUNT	51	51	51	51	51	51	51	51	50	50	51	51	51	51	51	51
_	MAXIMUM	4.5	0.45	0.13	ND	6.6	2.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
617	MEDIAN	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
617	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

						Со	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
618	COUNT	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
618	MAXIMUM	0.2	6.1	0.2	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
618	MEDIAN	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
618	MINIMUM	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
619	COUNT	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	20
619	MAXIMUM	9489	4040	623	3.3	ND	9.1	3	4.4	1659	17	193	0.1	68	ND	0.1	30 6.5
619	MEDIAN	1214.5	863	105	ND	ND	ND	ND	ND	56.1	ND	ND	ND	ND	ND	ND	ND
619	MINIMUM	320	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0 = 0																	
620	COUNT	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
620	MAXIMUM	76	40	ND	ND	ND	ND	ND	ND	0.26	0.28	ND	ND	ND	ND	ND	ND
620	MEDIAN	3.85	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
620	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
621	COUNT	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
621	MAXIMUM	452	242	36	0.3	ND	296	81	ND	42	42	ND	7.5	ND	0.79	ND	0.3
621	MEDIAN	100	100	8.3	ND	ND	2.1	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND
621	MINIMUM	5.4	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
622	COUNT	61	61	61	61	61	61	61	61	60	60	61	61	61	61	61	61
622	MAXIMUM	438	242	35	0.3	ND	4.7	0.2	0.2	13	2.2	ND	0.3	ND	ND	ND	1
622	MEDIAN	104	94	6.9	ND	ND	1.6	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND
622	MINIMUM	18	42.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
623	COUNT	28	28	28	28	28	28	28	28	27	27	28	28	28	28	28	28
623	MAXIMUM	180	78	12	ND	ND	2.57	ND	0.97	2.9	1.3	ND	0.2	2.4	ND	ND	0.1
623	MEDIAN		35.3	2.5	ND	ND	1.4	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND
623	MINIMUM	26	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
624	COUNT	29	29	29	29	29	29	29	29	27	27	29	29	29	29	29	29
624	MAXIMUM	273	94	19	0.1	0.52	4.8	ND	ND	5.7	2.7	ND	0.8	3.3	ND	ND	0.2
624	MEDIAN	78	47	4.7	ND	ND	2.95	ND	ND	1.2	0.2	ND	ND	ND	ND	ND	ND
624	MINIMUM	23	19	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
625	COUNT	114	114	114	114	114	114	114	114	113	112	114	114	114	114	114	114
625	MAXIMUM	75.2	7.8	3.53	ND	0.17	72	194	63	22	28	4.86	0.73	13.8	11	ND	0.1
625	MEDIAN	ND	3.5	ND	ND	ND	8.55	31.6	0.345	7.8	13.1	ND	ND	0.05	ND	ND	ND
625	MINIMUM	ND	ND	ND	ND	ND	ND	0.1	ND	ND	0.24	ND	ND	ND	ND	ND	ND
636	601111	40	40	40	40	40	40	4.0	4.0	40	40	40	40	40	40	40	40
626	COUNT	48	48 0.2	48 ND	48 ND	48 ND	48 2.6	48	48 ND	48 ND	48 0.7	48 ND	48	48 ND	48 ND	48 ND	48 ND
626	MAXIMUM MEDIAN	1.1 ND	ND	ND ND	ND ND	ND ND	0.2	0.8 ND	ND ND	ND ND	ND	ND ND	0.2 ND	ND ND	ND ND	ND ND	ND
626	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
320		.,,,,		.,,,	.,,,			.,,,,	.,,,	.,,,	.,,,	.,,,,		.,,,	.,,,,		

						Co	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
627	COUNT	53	53	53	53	53	53	53	53	51	51	53	53	53	53	53	53
627	MAXIMUM	2.3	7.8	1.9	ND	1.23	68	16	0.5	15	28	ND	2.6	0.23	ND	ND	2.9
627	MEDIAN	0.3	0.4	ND	ND	0.6	32.1	7.5	ND	3	2.6	ND	1	ND	ND	ND	ND
627	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
628	COUNT	36	36	36	36	36	26	26	36	34	34	36	36	36	36	36	26
628	MAXIMUM	1.4	1.24	0.63	ND	ND	36 6.9	36 9.2	1.7	0.51	1.58	0.13	ND	0.45	ND	ND	36 ND
628	MEDIAN	ND	0.07	ND	ND	ND	0.965	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
628	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							_									_	_
629	COUNT	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
629	MAXIMUM	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
629	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
629	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
630	COUNT	35	35	35	35	35	35	35	35	34	34	35	35	35	35	35	35
630	MAXIMUM	15	1.4	4.2	ND	ND	32	11.3	ND	ND	ND	0.48	ND	ND	ND	ND	ND
630	MEDIAN	6.3	0.64	1.1	ND	ND	13	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
630	MINIMUM	0.8	ND	ND	ND	ND	1.4	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
631	COUNT	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
631	MAXIMUM	1.1	0.26	ND	ND	ND	7.2	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
631	MEDIAN	0.2	ND	ND	ND	ND	2.47	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
631	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
632	COUNT	47	47	47	47	47	47	47	47	45	45	47	47	47	47	47	47
632	MAXIMUM	119	2.4	5	ND	ND	51.7	0.2	ND	0.79	ND	0.9	0.2	ND	ND	ND	ND
632	MEDIAN	32.1	0.5	0.6	ND	ND	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
632	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107A	COUNT	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
-	MAXIMUM	1.14	0.48	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107A 107A	MEDIAN MINIMUM	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
10/A	IVIIIVIIVIUIVI	אט	מאו	אט	חוו	טאו	אט	ND	אט	אט	טאו	אט	טוו	ואט	אט	טויו	מאו
140R	COUNT	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
\vdash	MAXIMUM	220	830	65	4.1	ND	9	30	8.4	26	12	3.11	ND	ND	ND	ND	0.1
140R	MEDIAN	92	140	14	1.2	ND	4.8	3.8	1.2	9	2.4	ND	ND	ND	ND	ND	ND
140R	MINIMUM	32.3	41.5	3.83	ND	ND	3.4	1.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
P04	COUNT	27	27	27	27	27	27	27	27	27	25	27	27	27	27	27	27
P04	MAXIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P04	MEDIAN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P04	MINIMUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

_						Со	ncentr	ations i	n micro	grams	per lite	r (ug/L)					
Well Identifier	Statistical Measure	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	Freon 113	Freon 123a	Methylene Chloride	Chloroform	Dichlorodifluoromethane (Freon 12)	Trichlorofluoromethane (Freon 11)	1,1,2-Trichloroethane	1,2-Dichloroethane
P08	COUNT	35	35	35	35	35	35	35	35	33	33	35	35	35	35	35	35
P08	MAXIMUM	12000	2200	2300	1.5	0.6	0.9	0.6	0.2	530	30	ND	1	0.1	6.7	ND	1
P08	MEDIAN	628	731	13	ND	ND	ND	ND	ND	15	2.4	ND	ND	ND	ND	ND	ND
P08	MINIMUM	31	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P11	COUNT	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
P11	MAXIMUM	3500	900	97	0.5	0.55	0.65	ND	ND	53	8.8	1.3	0.5	28	ND	ND	0.1
P11	MEDIAN	74.55	87.85	2.12	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND
P11	MINIMUM	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Key:

COUNT = Sample Count (including duplicate samples)

MAXIMUM = Maximum Concentration (micrograms per liter)

MEDIAN = Median Concentration (micrograms per liter)

MINIMUM = Minimum Concentration (micrograms per liter)

ND = Not Detected

APPENDIX H

QUALITY CONTROL ANALYTICAL CHEMISTRY DATA FOR ENVIRONMENTAL BLANKS January 1, 2017 – December 31, 2017

Sample Location Sample Description Sample Date Laboratory Sample I.D.		EQ RINSE BLK WTR LVL IND 02/28/2017 8863001	EQ RINSE BLK WTR LVL IND 03/01/2017 8865350	EQ RINSE BLK WTR LVL IND 03/02/2017 8866901	EQ RINSE BLK WTR LVL IND 03/03/2017 8866918	EQ RINSE BLK WTR LVL IND 06/12/2017 9052918	EQ RINSE BLK WTR LVL IND 06/13/2017 9052924
Parameter	Units						
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
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	0.1 J	0.1 J	0.1 J	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	0.4 J	0.4 J	0.4 J	0.8	ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11)	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

Sample Location Sample Description Sample Date Laboratory Sample I.D.		EQ RINSE BLK WTR LVL IND 06/14/2017 9052961	EQ RINSE BLK WTR LVL IND 06/15/2017 9052973	EQ RINSE BLK WTR LVL IND 07/17/2017 9115306	EQ RINSE BLK WTR LVL IND 07/18/2017 9115323	EQ RINSE BLK WTR LVL IND 07/19/2017 9115346	EQ RINSE BLK WTR LVL IND 07/20/2017 9115367
Parameter	Units						
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.3 J	ND@0.5	0.3 J	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	0.2 J	ND@0.5
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.5 J	ND@0.5	0.5 J	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.1 J	0.5	ND@0.5	0.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.7	0.8	1.8	0.1 J	1.8	0.2 J
TRICHLOROFLUOROMETHANE (FREON 11)	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

Sample Location Sample Description Sample Date Laboratory Sample I.D.		EQ RINSE BLK WTR LVL IND 10/02/2017 9247725	EQ RINSE BLK WTR LVL IND 10/03/2017 9247743	EQ RINSE BLK WTR LVL IND 10/04/2017 9250786	EQ RINSE BLK WTR LVL IND 10/05/2017 9253889	TRIP BLANK 2/28-3/2 02/28/2017 8862984	TRIP BLANK 2/28-3/4 02/28/2017 8865338
Parameter	Units						
Volatile Organics							
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.2 J	0.1 J	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
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	0.3 J	0.3 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.5 J	0.4 J	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.4 J	0.3 J
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.5	1.6	1.3	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11)	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

Sample Location Sample Description Sample Date Laboratory Sample I.D.		TRIP BLANK 3/1-3/4 03/01/2017 8866895	TRIP BLANK 3/2-3/4 03/02/2017 8866900	TRIP BLANK 3/3-3/4 03/03/2017 8866919	TRIP BLANK 6/12-6/16 06/12/2017 9052913	TRIP BLANK 6/13-6/16 06/13/2017 9052950	TRIP BLANK 6/14-6/16 06/14/2017 9052962
Parameter	Units						
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
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11)	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

Sample Location Sample Description Sample Date Laboratory Sample I.D.		TRIP BLANK 7/17-7/21 07/17/2017 9115303	TRIP BLANK 7/18-7/21 07/18/2017 9115333	TRIP BLANK 7/19-7/21 07/19/2017 9115345	TRIP BLANK 7/20-7/21 07/20/2017 9115369	TRIP BLANK 10/2-10/5 10/02/2017 9247721	TRIP BLANK 10/3-10/6 10/03/2017 9250781
Parameter	Units						
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
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@0.5
TRICHLOROFLUOROMETHANE (FREON 11)	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

February 25, 2017 - December 31, 2017

Sample Location	TRIP BLANK	TRIP BLANK
Sample Description	10/4-10/6	10/5-10/7
Sample Date	10/04/2017	10/05/2017
Laboratory Sample I.D.	9250793	9253885

Parameter	Units

Volatile Organics

ug/L	ND@0.5	ND@0.5
ug/L	ND@0.5	ND@0.5
	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ug/L ND@0.5

February 25, 2017 - December 31, 2017

Reporting Conventions

NA Not Analyzed

ND@X Not Detected at Detection Limit X

Code Explanation

J Estimated value: the result is >= the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

