IBM

8976 Wellington Road
Manassas, VA 20109

April 8, 2019

Jessica LaClair
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau D
625 Broadway, 12th Floor
Albany, NY 12233-7017

Re: Transmittal of the Combined Groundwater Report for 2018
Former IBM Facility, Endicott, New York
Order on Consent Index #A7-0502-0104, Site #704014

Dear Ms. LaClair:

The purpose of this letter is to transmit the Combined Groundwater Report for 2018. This report combines the Annual Groundwater Monitoring Status Report (Annual Report) for 2018 and the 15th Update to the Groundwater Remediation Systems Operations, Maintenance and Monitoring Plan (OM&M Plan).

Should you have any questions concerning the contents of this report, please contact Kevin Whalen of my staff at (540) 535-8993.

Sincerely,

M. E. Meyers

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

cc: Kevin Farrar, NYSDEC - Albany
Julia Kenney, NYSDOH - Albany
Maureen Schuck, NYSDOH - Albany
Dolores Tuohy, Esq., NYSDEC - Albany
John Armitage, NYSDEC - Albany
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Ron Brink, Broome County Health Dept.
Chris Pelto, Huron LLC

COMBINED GROUNDWATER REPORT FOR 2018

VILLAGE OF ENDICOTT / TOWN OF UNION
BROOME COUNTY, NEW YORK

Order on Consent Index #A7-0502-0104
Site #704014

Prepared for:

IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, Virginia 20109

April 8, 2019

Prepared by:

Groundwater Sciences, P.C.
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Professional Engineer Certification
Combined Groundwater Report for 2018
Village of Endicott / Town of Union
Broome County, New York

Section XII and Appendix D, Activity C
of Order on Consent Index #A7-0502-0104
Site #704014

April 8, 2019

I certify that I have reviewed the document entitled *"Combined Groundwater Report for 2018, for the former IBM Endicott Facility in the Village of Endicott / Town of Union in Broome County, New York"* prepared pursuant to Section XII and Appendix D, Activity C of Order on Consent Index #A7-0502-0104, Site #704014. This report is dated April 8, 2019 and was prepared for IBM Corporation by Groundwater Sciences Corporation and Groundwater Sciences, P.C. I certify that I have reviewed all figures, plates, and appendices related to the operations, maintenance, and monitoring of groundwater remediation systems. To the best of my knowledge, all such engineering-related information contained in this report is complete and accurate.

I certify that all portions of this report relating to the operations, maintenance, and monitoring of groundwater remediation systems have been prepared in accordance with good engineering practices and all work has been performed under my direct supervision.

I further certify that: (1) the groundwater institutional controls and engineering controls put in place as part of the remedies for Operable Unit #3 (OU#3), Operable Unit #4 (OU#4), Operable Unit #5 (OU#5), Operable Unit #6 (OU#6), and Operable Unit #7 (OU#7) are still in place and are either unchanged from the previous certification or are compliant with New York State Department of Environmental Conservation (Department) approved modifications, (2) the Department continues to have access to the Site; and (3) nothing has occurred that will impair the ability of the controls put in place to protect public health or the environment, or constitute a violation or failure to comply with the remedies set forth in the Records of Decision for OU#3, OU#4, OU#5, OU#6, and OU#7 unless otherwise approved by the Department.

No alterations to the engineering-related information contained in this report may be made unless made in accordance with Title 8, Article 145, Section 7209 of New York State Education Law.

Signature: Matthew T. Luckman Date: 4/8/19

Name: Matthew T. Luckman

License No: 076619

State: New York

STATE OF NEW YORK
MATTHEW T. LUCKMAN
076619-1
LICENSED PROFESSIONAL ENGINEER

Professional Geologist Certification
Combined Groundwater Report for 2018
Village of Endicott / Town of Union
Broome County, New York

Section XII and Appendix D, Activity C
of Order on Consent Index #A7-0502-0104
Site #704014

April 8, 2019

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 *"Combined Groundwater Report for 2018, for the former IBM Endicott Facility in the Village of Endicott / Town of Union in Broome County, New York"* prepared pursuant to Section XII and Appendix D, Activity C of Order on Consent Index #A7-0502-0104, Site #704014. This report is dated April 8, 2019 and was prepared for IBM Corporation by Groundwater Sciences Corporation and Groundwater Sciences, P.C.

As a professional geologist in the State of New York, I certify that the associated geological services and this report have been prepared under my direct supervision while working as an agent for GSPC. 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.

Signature: Charles A Rine Date: 4-8-2019

Name: Charles A. Rine

License No: 000704

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1 INTRODUCTION

This report has been prepared by Groundwater Sciences Corporation (GSC) and Groundwater Sciences, P.C. (GSPC) for International Business Machines Corporation (IBM). This report is intended to comply with Section XII and Appendix D of Order on Consent Index #A7-0502-0104 (Order) between IBM and the New York State Department of Environmental Conservation (NYSDEC) for the former IBM Endicott facility and associated former or existing groundwater plumes (Site #704014, hereinafter referred to as the "Site") located in the Village of Endicott, New York. This report combines the Annual Groundwater Monitoring Status Report (Annual Report) for 2018 and the 15th Update to the Groundwater Remediation Systems Operations, Maintenance and Monitoring Plan (OM&M Plan). As such, this report is referred to as the Combined Groundwater Report for 2018.

1.1 Purpose and Scope

The purpose of the Combined Groundwater Report for 2018 is fivefold:

1. To describe the Remedial Action Plan in place at the Site for 2018, including groundwater extraction wells and treatment systems.

2. To describe the operation, maintenance, and monitoring of the groundwater extraction wells and treatment systems in 2018. The requirement for a comprehensive operations, maintenance and monitoring plan (COM&M Plan) is described in Appendix D, Activity C of the Order.

3. To describe the upgrades, repairs, and replacements of components of the groundwater extraction wells and treatment systems that occurred in 2018.

4. To describe the Groundwater Monitoring Program and to present the Groundwater Monitoring Plan (GMP) for 2018. The primary elements of the Groundwater Monitoring Program are the periodic measurement of groundwater elevations in several hundred hydraulic effectiveness (HE) monitoring wells and the sampling of groundwater from a subset of these HE wells, referred to as remedial action effectiveness (RAE) monitoring wells. The lists of HE and RAE monitoring wells in the GMP and the frequency of

monitoring for these wells are updated annually so as to be consistent with the evaluation described in Item 5 below and with the anticipated monitoring needs for the next 12 months.

5. To evaluate the effectiveness of remedial action and the progress of remediation based on data collected in 2018, thereby satisfying the annual reporting requirement for the Site. The contents of the annual evaluation are specified in Section 4.3.2 of the OM&M Plan, Fifth Update (May 2009) and include a summary of analytical chemistry results for the previous year, supporting QA/QC documentation, comprehensive groundwater elevation data, pumping rates and volumes, contaminant recovery calculations, treatment efficiency data, isoconcentration contour maps, and other hydrogeological maps as needed.

1.2 Site Location and Description

The former IBM Endicott facility is a 135-acre industrial facility situated in the Susquehanna River valley in the Village of Endicott, Broome County, New York. Figure 1-1 shows the approximate location of the former IBM Endicott facility. The Site, as defined in the Order and referenced in this report, includes the former IBM Endicott facility ("On-Site") owned by Huron, LLC and certain "Off-Site" former or existing groundwater plume areas. In accordance with the Order, IBM is performing or has completed Supplemental Remedial Investigations (SRIs), Interim Remedial Measures (IRMs), and/or Focused Feasibility Studies (FFSs) in seven separate operable units (OUs), one Miscellaneous Activity (MA) area, and the "Remainder of Site" consisting of areas of the former IBM Endicott facility that are outside of a designated OU area. Portions of the Site comprising the former IBM Endicott facility are shaded on Figure 1-2. The approximate locations of the seven OUs and one MA area are also shown on Figure 1-2 and are listed below:

OU#1: Railroad Corridor Source Area (RCSA)

OU#2: North Street Area

OU#3: Plume Reduction in the Southern Area

OU#4: Ideal Cleaners Area

OU#5: Building 57 Area

OU#6: Plume Control in Bedrock Groundwater

OU#7: Assessment of Sewers in Northwestern Area of the Site

MA-A: Plume Reduction in Off-Site Capture Zone A (OSCZ-A)

OU#1 and OU#2 consist of the central portion of the manufacturing area of the Site, separated by Norfolk Southern railroad tracks. OU#3 and MA-A consist of the "Off-Site" former or existing volatile organic compound (VOC) groundwater plume areas originating in OUs #1 and #2. OU#4 encompasses a former VOC source area and groundwater plume associated with the former Ideal Cleaners facility south of North Street. The former groundwater plume in OU#4 is located in the eastern portion of an area referred to as "Off-Site" Capture Zone B. OU#5 consists of the eastern portion of the manufacturing area of the Site, and associated discrete VOC groundwater plumes. OU#6 consists of the area of VOC-containing groundwater in bedrock, located primarily beneath portions of OU#2. OU#7 consists of the western portion of the manufacturing area of the Site, and associated discrete VOC groundwater plumes.

The approximate limits of the former or existing plume areas associated with "Off-Site" Capture Zone A (MA-A), "Off-Site" Capture Zone B (OU#4), and OU#3 that are shown on Figure 1-2 originally were coincident with various hydraulic capture zones described in the *Supplemental Groundwater Assessment Final Report* (SGA Final Report, December 31, 2003, revised and updated May 17, 2004). As extraction well operations have changed, the boundaries of these capture zones have also changed. However, the terminology for these areas originally established in the SGA Final Report and carried over into the Order has been maintained where practical.

This Combined Groundwater Report presents data generated from January 1, 2018 to December 31, 2018.

1.3 2018 Highlights

The following subsections summarize the remedial activities and results from the operation, maintenance and monitoring of groundwater remediation systems at the Site in 2018. The highlights of operation and monitoring for 2018 are listed below.

- Five extraction wells in the "On-Site" Capture Zone continued to control flux from sources in the Railroad Corridor Source Area (RCSA, Operable Unit #1 (OU#1)) and collectively removed about 2,159 pounds of VOCs from the groundwater in OU#1. This represents nearly 97% of the total VOC mass removed by all extraction wells at the Site in 2018.

- As many as 17 groundwater extraction wells operating at the Site in 2018 removed 2,232 pounds of VOCs, bringing the total estimated mass of VOCs extracted since 1979 to approximately 835,000 pounds.

- Four hundred twenty-four (424) monitoring and extraction wells were used for collecting groundwater samples and/or measuring groundwater elevations in 2018.

- The operation of as many as nine and as few as four extraction wells in Operable Unit #2 (OU#2), "Off-Site" Capture Zone A (OSCZ-A), and the Southern Area (OU#3) during 2018 generated the following positive results:

    - The chemical flux crossing North Street (OU#2) was intercepted before reaching OSCZ-A.

    - The dissolved trichloroethene (TCE) mass totals for the plumes in OSCZ-A and OU#3 calculated for June 2004 and August 2018 indicate a 98% reduction of TCE mass dissolved in groundwater from 89.5 pounds to 1.4 pounds. Furthermore, the average TCE concentration in the plume decreased from 79.5 micrograms per liter (µg/L) in 2004 to 1.6 µg/L in 2018, a reduction of 98%.

    - The lateral extent of the plumes in OSCZ-A and OU#3 has also been significantly reduced, as shown on chemical concentration maps for the principal plume constituents. For example, from 2004 to 2018, the area of the plume where TCE concentrations are greater than 5 µg/L has been reduced by more than 90 percent. Other constituents of the plumes, including 1,1,1-trichloroethane (111-TCA), cis-1,2-dichloroethene (c12-DCE), and tetrachloroethene (PCE), have been substantially removed in OSCZ-A and OU#3.

- Monitoring of the OU#4: Ideal Cleaners Area ethene-series (PCE, TCE, c12-DCE, and vinyl chloride) groundwater plume in 2018 continues to indicate a decreasing trend in concentrations of ethene-series constituents since completion of the 2010 source area removal at the former Ideal Cleaners property. The PCE and TCE portions of the groundwater plume have been removed by natural attenuation processes. Groundwater monitoring data from August 2018 indicated that one area of vinyl chloride and smaller areas of c12-DCE were the only PCE degradation products remaining in groundwater at concentrations greater than 6NYCRR Part 703 standards.

- Concentrations of VOCs remaining in groundwater beneath OU#5 are stable or declining since the 2013 implementation of in-situ thermal treatment of apparent VOC source areas. Operation of groundwater extraction well EN-709 continues to maintain control of the remaining dissolved plume of VOCs in the former Huron Lot #26 parking lot, south of Building 57. The VOC mass removed by well EN-709 in 2018 was 12 pounds, bringing the total VOC mass removed by EN-709 to 72 pounds since mid-2013.

- The VOC mass extracted from the bedrock aquifer by extraction well EN-D49 in 2018 (23.5 pounds) was within the range of VOC mass extracted annually (22 to 29 pounds) from 2009 to 2017. Extraction well EN-D49 maintains control of a dissolved plume of VOCs in bedrock groundwater.

- Monitoring within OU#7 in 2018 did not indicate a meaningful change in VOC concentrations in groundwater that could be attributed to former IBM source areas.

1.3.1 Site Characterization

From early 1979 through the end of 2018, 608 wells were installed as part of the corrective action program or ongoing investigations at this Site. The total consists of 284 wells (monitoring, extraction and injection) installed north of North Street on the manufacturing portion of the former IBM facility at the Site, and 324 other wells (monitoring, extraction, and injection) installed south of North Street off the manufacturing portion of the former IBM facility at the Site. 150 of these wells have since been decommissioned. Plate 1-1 shows the locations of monitoring and extraction wells that were in place through the end of 2018. These wells are also coded on this map according to the geologic unit in which they are screened or completed. Water levels and groundwater samples collected from these wells have been used to characterize the directions of groundwater flow and contaminant transport beneath the Site.

1.3.2 Groundwater Extraction and Treatment Systems

During 2018 hydraulic containment and groundwater recovery operations consisted of 17 extraction wells. As of December 31, 2018, 11 extraction wells remained active[1]. The locations of these extraction wells are shown on Figure 1-3. Average well yields in 2018 ranged from less than 0.5 gallons per minute (gpm) to 130 gpm. The combined average monthly extraction rate for 2018 was 319 gpm. The maximum monthly extraction rate was 448 gpm in January, when 17 extraction wells were active. The minimum monthly extraction rate was 243 gpm in July, following the shutdown of six extraction wells in the preceding months.

Groundwater pumped from all but one of the active extraction wells in 2018 was treated at one of four stand-alone groundwater treatment facilities (GTFs) operated by IBM on Jefferson Avenue, Garfield Avenue, Adams Avenue, and Clark Street. Groundwater pumped from extraction well EN-107R in the Railroad Corridor Source Area was treated at the Huron Organic Treatment Facility (Huron OTF) until the well was shut down in May 2018. All five treatment facilities are shown on Figure 1-3.

1.3.3 Groundwater Monitoring

Sampling in 2018 was performed in accordance with a Groundwater Monitoring Plan (GMP) submitted on December 8, 2017 and approved by NYSDEC on April 27, 2018. A total of 404 hydraulic effectiveness monitoring wells were included in the groundwater monitoring program for 2018. Groundwater samples for remedial action effectiveness were collected from 337 wells, including active extraction wells. The analytical results for groundwater samples collected during the 2018 calendar year are included in this Combined Groundwater Report for 2018.

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[1] EN-451P was shut down on January 4, EN-91T was shut down on January 29, EN-194 was shut down on March 12, EN-107R and EN-133 were shut down on May 29, and EN-215T was shut down on June 27.

1.4 Organization of Report

The remainder of this report is organized as follows. Section 2 presents important background information, including the Site's remediation goals, physical setting and hydrogeology, and descriptions of the remedial systems in place. Section 3 describes the work performed in 2018, including the maintenance and operation of groundwater extraction wells and treatment systems; decommissioning of several extraction wells; maintenance of monitoring wells; measurement of groundwater elevations; and groundwater sampling. The hydrogeological and hydrogeochemical results for 2018 are analyzed in Sections 4 and 5 with emphasis on patterns of groundwater flow and capture, and the distribution of chemicals of concern. Section 6 discusses the progress of remediation at each of the Site's operable units and the VOC mass removed by pumping Site-wide. A list of references is presented in Section 7.

2 BACKGROUND

The corrective action history of the Site began with the discovery of groundwater contamination in 1979. IBM subsequently began a Corrective Measures Program to evaluate groundwater quality and remediate groundwater contamination beneath the manufacturing portion of the Site, north of North Street. In early 1980, IBM began to control and remove sources of contamination beneath the manufacturing portion of the Site by using vertical extraction wells to remove both groundwater and separate-phase VOCs. Since 1980, 37 extraction well points (not including replacement or supplemental wells at the same location) have been used at various places and times for this purpose.

2.1 Site Remediation Objectives

VOCs have been detected in groundwater in two geologic units beneath the Site: the bedrock and the glacial outwash, which contains the Upper Aquifer. The VOC plume in the bedrock is contained by the operation of a single extraction well and the remedial objective is to maintain that containment. The remedial measures program for the Upper Aquifer has two principal objectives. The first objective is to attain groundwater standards to the extent practicable. The second objective is to shrink the groundwater plumes containing VOCs, in particular trichloroethene (TCE), to mitigate potential concentrations of TCE in soil vapor. Simply stated, this second objective is as follows:

> Reduce concentrations of VOCs in groundwater south of North Street, and to the extent practicable, to below New York State 6NYCRR Part 703 groundwater standards in order to reduce potential soil vapor impacts. This second objective has been accomplished by the following actions:

1. Control of the sources of VOCs in groundwater north of North Street.

2. Control and treatment of the VOC-containing groundwater flux crossing North Street.

3. In conjunction with actions 1 and 2, acceleration of the rate of reduction of the plume areas south of North Street.

The larger objective of these actions was to reduce the mass of TCE in groundwater within the plumes being remediated by IBM south of North Street by 50% in five years and by 80% in ten years, using the first year of enhanced off-site plume reduction activities (2004) as the base year for comparison. The ten-year TCE mass reduction goal was achieved in 2012, after eight years of enhanced remediation, and it has been maintained throughout the time period between 2012 and 2018.

2.2 Physical Setting

The Site is underlain by a sequence of unconsolidated glacial and post-glacial sediments overlying a buried bedrock valley. Three of the units in this sequence (Upper Aquifer, Lower Aquifer, and Bedrock Aquifer) are water-bearing and one unit (Lacustrine Silt) is an effective aquitard.

2.2.1 Upper Aquifer

The Upper Aquifer is defined by the vertical difference between two surfaces: (1) the surface defining the top of the lacustrine silt (see below), and (2) the surface defining the top of the saturated zone (i.e., the water table) in an extensive coarse-grained unit consisting of glacial outwash. The outwash consists mostly of sand and gravel with some minor silt layers deposited as interbedded deltaic foreset beds in a former post-glacial meltwater lake and in post-lacustrine braided stream deposits. This outwash unit is typically 25 to 30 feet thick but is thicker where it has filled in several ice block depressions (following melting of the ice), and where the sediment has been downwarped by differential compaction or collapse that occurred as the ice blocks melted after they had been buried under the deposited sediments. The Upper Aquifer is an unconfined, water table aquifer.

2.2.2 Lacustrine Silt

The Lacustrine Silt unit consists of fine-grained lake-bottom deposits, typically varved silt with pink clay seams, but locally grading to silty very fine sand. The top of this unit generally defines the bottom of the Upper Aquifer and is nearly continuous throughout the valley with the exception of discrete areas where the presence of ice blocks prevented its deposition onto ice-contact sand and gravel and/or glacial till deposits. Where the Lacustrine Silt is absent, the bottom of the Upper

Aquifer is in contact with glacial till or coarse-textured ice-contact deposits comprising the Lower Aquifer. Where the Lacustrine Silt is present, as it is over most of the Site, it forms an effective aquitard between the overlying Upper Aquifer and the underlying Lower Aquifer in areas where the Lower Aquifer is present. The current surface elevation contour map for the Lacustrine Silt is shown on Plate 2-1.

2.2.3 Lower Aquifer

The Lower Aquifer consists of stratified drift deposited by sub-glacial meltwater in tunnels and crevasses beneath the glacial ice or by superglacial meltwater at the glacial ice margin. Unlike the glacial outwash of the Upper Aquifer, the ice-contact deposits of the Lower Aquifer are not present as a continuous layer in the areas north of Broad Street in the west and East Main Street in the east. Rather, the Lower Aquifer in the Endicott area is confined to a thick sequence of ice-contact deposits situated along the axis of the valley and in isolated areas farther away from the valley axis. It is used for both municipal and industrial water supply.

2.2.4 Bedrock Aquifer

The uppermost several hundred feet of bedrock consists of marine shales and siltstones of the late Devonian West Falls Group. Bedding is near-horizontal and the upper part of the bedrock contains water-bearing fractures yielding sufficient quantities of water such that the shallow bedrock is an effective aquifer.

2.2.5 Other Units

Post-glacial alluvium is present near or within the Site in at least two locations: (1) beneath a low terrace adjacent to the Susquehanna River, and (2) in a shallow late-deglacial channel near the north valley wall generally located between Watson Boulevard and the Norfolk Southern railroad tracks. This unit is not significant with regard to groundwater flow at the Site.

In many areas, the lowermost unconsolidated unit lying directly above the bedrock is till - a dense, poorly sorted mixture of clay, silt, sand and angular rock fragments deposited directly by glacial action. The till is discontinuous beneath the Site and, therefore, is not consistently the lowermost unconsolidated unit in contact with bedrock. Near the axis of the valley, where the till is mostly absent, ice-contact deposits lie directly over the bedrock. The till is not significant with regard to groundwater flow at the Site.

2.3 Groundwater Monitoring Plan

The Site monitoring plan consists of two elements: (1) measurement of water levels and sampling of groundwater monitoring and extraction wells in accordance with a Site-specific Groundwater Monitoring Plan (GMP) and (2) sampling of influent and effluent from the various groundwater extraction and treatment systems to satisfy the treatment requirements of the Order. (Influent and effluent sampling is described in Section 3.1.2 of this report.) The purpose of the GMP is to specify a network of groundwater monitoring and extraction wells to be used for monitoring hydraulic effectiveness and remedial action effectiveness.

Sampling is performed in accordance with the Site's Quality Assurance Project Plan (QAPP). The current QAPP for the Site was submitted to NYSDEC in January 2009 and was prepared in accordance with Paragraphs 2.(i) and 2.(iii) of Appendix F of the Order.

The GMP for 2018 is presented in Appendix D and consists of 404 hydraulic effectiveness (HE) monitoring wells and 337 remedial action effectiveness (RAE) monitoring wells, including active extraction wells. All of these wells are shown on Plate 1-1. The HE wells and RAE wells are listed on Tables D-1 and D-2 of Appendix D. The HE well listing on Table D-1 includes the Site Area designation (OU# or MA-A), the monitoring point elevation, and the planar coordinates for each well. The physical specifications for the HE wells, such as survey coordinates, elevations, depths, and well construction information, are listed in Table B-1 of Appendix B. Synoptic groundwater elevation data in 2018 was recorded semiannually from the 404 HE wells and was used to construct water table elevation and potentiometric elevation contour maps for the semiannual and annual groundwater monitoring reports.

The RAE well listing on Table D-2 includes the Site Area designation, the sampling frequency, a summary of the number of samples per year, and a summary of wells to be sampled using passive diffusion bags (PDBs) instead of pumps or bailers. Eligibility for sampling using PDBs was determined based on inner well diameters (required inner diameter greater than one inch), anticipated water column thickness in the screened interval of the well (in general, 5 feet or greater is needed for PDB sampling), and position relative to potentially variable groundwater extraction operations.

Samples collected from each of the RAE monitoring and extraction wells listed on Table D-2 were analyzed for VOCs by SW-846 Method 8260C using a 25 mL purge, thereby achieving low concentration reporting limits, typically 0.5 µg/L (undiluted). Field screening for specific conductance, pH, temperature, and turbidity was performed at the time of sampling. The VOC concentration data for the 337 RAE wells were used to create chemical concentration contour maps showing the distribution of VOCs in groundwater.

IBM submitted a request to NYSDEC for modifications to the GMP on January 21, 2019. The request consists of the following modifications:

1. A decrease in the number of hydraulic effectiveness wells from 404 to 390;
2. A decrease in the number of remedial action effectiveness wells from 337 to 307;
3. A net decrease in the number of groundwater monitoring well samples being collected from 756 to 616; and
4. A reduction in the number of active extraction wells from 17 to 11.

The requested changes to the GMP mostly reflect increases in monitoring frequency in portions of OU#1 and OU#2, modifications to the monitoring frequency in portions of Miscellaneous Activity A (MA-A) and OU#3, changes in monitoring frequency to seven wells in OU#4, modifications to monitoring of extraction well EN-709 capture in OU#5, and the completion of the shutdown test in OU#7. With the exception of decommissioned bedrock monitoring well EN-D01, no changes to the

2019 GMP are proposed for OU#6. The NYSDEC approved the requested changes to the 2019 GMP on February 1, 2019[2].

2.4 Description of Remedial Systems

The remedial systems described in this section consist of groundwater extraction wells and groundwater treatment systems. These wells and treatment systems are operated and maintained in accordance with the Site's OM&M Plan.

2.4.1 Groundwater Extraction Wells

The groundwater collection system in 2018 consisted of 17 active extraction wells operating at various times throughout the year. Except for periods of testing and maintenance, the system has operated continuously since 1980. Between 2012 and 2017, the volume extracted annually ranged from 321 to 352 MG, but declined to 168 MG in 2018. The decline in 2018 was due to a combination of decreasing saturated thickness in the aquifer resulting from the shutdown of clean water injection in late 2017 together with the permanent shutdown of several extraction wells.

Table A-1 in Appendix A summarizes the monthly pumping volumes and average flow rates for each extraction well in 2018. These volumes and flow rates are based on daily records for each well. Also shown at the bottom of Table A-1 is the volume treated at each of the groundwater treatment facilities. Table A-2 shows the mass of VOCs removed by each extraction well in 2018; this VOC mass recovery is discussed further in Section 6.

Figure 1-3 shows the locations of the 18 extraction wells that were in place as of December 31, 2018. Of these 18 wells, 17 are constructed in the Upper Aquifer and one well (EN-D49) extracts groundwater from the bedrock aquifer. Eleven of the 18 extraction wells were operating at the end of 2018. Extraction wells EN-107R, EN-133, EN-185P, EN-215T, EN-253, EN-492T and EN-499T remained in-place, but were inactive at the end of 2018.

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[2] NYSDEC, February 1, 2019, e-mail message from Jessica LaClair to Kevin Whalen of IBM, Subject: Endicott Sampling Plan.

Extraction wells EN-91T, EN-194, and EN-451P operated during the first half of 2018 and were decommissioned in July 2018 together with inactive extraction wells EN-120 and EN-160 in OSCZ-A, EN-154R and EN-218 in OU#7, and EN-195 in OU#4. None of these decommissioned wells is shown on Figure 1-3.

2.4.1.1 OU#1 / OU#2 Northern Capture Zone

As shown on Figure 1-3, extraction wells EN-428 and EN-253R are located north of the railroad tracks within Operable Unit #1: Railroad Corridor Source Area (OU#1). Groundwater pumped from these two wells is metered at Building 46S (B046S), which contains an equalization tank (EQ Tank) and pumps that transfer groundwater to the Clark Street GTF. Wells EN-107R, EN-114T, and EN-219R are also located in OU#1. Groundwater extracted from EN-107R was metered at the nearby EN-107R Metering Enclosure and was pumped through the conveyance piping to the Huron OTF in Building 96. Groundwater extracted from well EN-114T is metered at the EN-107R Metering Enclosure and is pumped through the conveyance piping to the Clark Street GTF. Groundwater extracted from well EN-219R is metered at the EN-219R Metering Enclosure where it joins the B046S conveyance line and is pumped to the Clark Street GTF together with groundwater extracted from OU#1 extraction wells EN-428, EN-253R, and EN-114T. Extraction well EN-107R was deactivated on May 29, 2018 due to diminishing efficiency and the greater pumping capacity of nearby extraction well EN-114T.

On November 20, 2018[3], IBM submitted a letter requesting the shutdown of extraction wells EN-428 and EN-253R due to the following health and safety concerns, operational issues, and performance findings:

1. Wells EN-428 and EN-253R are located close to leaking sanitary sewer pipelines. The presence of sanitary sewage in the withdrawals from these wells adds significant health and safety

[3] IBM, November 20, 2018, Letter from Kevin Whalen to Jessica LaClair of the New York State Department of Environmental Conservation, Subject: Proposed Shutdown of Extraction Wells EN-428 and EN-253R, Operable Unit No. 1: Railroad Corridor Source Area, Former IBM Facility, Endicott, New York, Order on Consent Index #A7-0502-0104, Site #704014.

exposure risks for field personnel who monitor and maintain the pumping systems in these wells and treat the withdrawals from these wells. Over the past decade, the extent of sanitary sewer impacts to groundwater in this area of the Site has increased based on olfactory observations of sewage-like odors by field personnel and has increased the rate of fouling of the extraction wells, pumping systems, conveyance piping, and the Clark Street Groundwater Treatment Facility. The increased frequency of required maintenance has increased the health and safety exposure risks to field personnel.

2. The well screens and pump system components have become increasingly difficult to maintain, requiring greater use of chemical additives, more frequent cleaning or replacement of pumping system components, and more frequent well rehabilitation efforts using heat, chemicals, and/or mechanical brushing. The recent lack of improvement in sustaining well yields resulted in piloting the use of carbon dioxide as part of the well rehabilitation process. Treatment with carbon dioxide has shown promise for other Site extraction wells but did not provide sustainable improvement for wells EN-428 and EN-253R.

3. The overall effects of recent well rehabilitation efforts are short-lived with average well yields for EN-428 and EN-253R typically about 0.7 gpm and less than 0.2 gpm, respectively. Annualized mass removals from this area of the Site have reached diminishing returns, based on declines in both well yield and groundwater concentrations. Wells EN-428 and EN-253R are located within the broad capture area of Upper Aquifer extraction well EN-219R, indicating that the mass currently captured by wells EN-428 and EN-253R would be captured by well EN-219R after EN-428 and EN-253R have been shut down.

Given the above-listed concerns, issues, and performance findings, the NYSDEC approved the shutdown of wells EN-428 and EN-253R in a letter to IBM, dated February 21, 2019[4].

2.4.1.2 OU#2 / MA-A Southern Capture Zone

Three Upper Aquifer extraction wells operated in 2018 to capture VOC mass flux in groundwater in the vicinity of North Street, including two wells within OU#2 (EN-276 and EN-276R) and one well located in Miscellaneous Activity A (MA-A), referred to as Off-Site Capture Zone A (OSCZ-A). EN-276 and EN-276R are located between Buildings 14 and 18, and EN-284P is located in the parking lot area south of North Street between Grant Avenue and Garfield Avenue (Figure 1-3).

[4] NYSDEC, February 21, 2019, Letter from Jessica LaClair of NYSDEC to Kevin Whalen of IBM, Re: Proposed Shutdown of Extraction Wells EN-428 and EN-253R, Operable Unit No. 1: Railroad Corridor Source Area, Former IBM Facility, Endicott, New York, Order on Consent Index #A7-0502-0104, Site #704014.

Groundwater from these wells is treated at the Garfield Avenue GTF. All three extraction wells were active through the end of 2018.

2.4.1.3 Former Off-Site Plume Area Capture Zone

In 2018, seven extraction wells operated to remove Upper Aquifer groundwater in the former off-Site VOC plume area, located south of the central portion of the Site. Five of the wells (EN-91T, EN-133, EN-194, EN-215T, and EN-451P) were shut down by the middle of the year, while two wells (EN-447T and EN-491T) were active through the end of 2018.

Groundwater extracted from wells EN-133, EN-91T, and EN-451P was treated in the Jefferson Avenue GTF. As of the end of 2018, wells EN-91T and EN-451P have been decommissioned and EN-133 remains in place as an inactive extraction well. Groundwater extracted from wells EN-194 and EN-215T was treated in the Garfield Avenue GTF. As of the end of 2018, well EN-194 has been decommissioned and EN-215T remains in place as an inactive extraction well. Extraction well EN-499T has been inactive since November 2014, but remained in place throughout 2018. Groundwater extracted from wells EN-447T and EN-491T was treated in the Adams Avenue GTF. In addition to active wells EN-447T and EN-491T, three other Upper Aquifer extraction wells connected to the Adams Avenue GTF (EN-195, EN-492T, and EN-185P) were inactive in 2018. Well EN-195 was decommissioned in 2018 while wells EN-492T and EN-185P are planned to be decommissioned in 2019.

On November 20, 2018[5], IBM submitted a letter to the NYSDEC requesting the shutdown of extraction well EN-491T. The request to shut down well EN-491T is based on empirical groundwater monitoring data and extraction operations data collected between January and October 2018 that support the conclusion that the combined operation of extraction wells EN-284P and EN-447T should be sufficient to capture groundwater located within the limits of the former off-

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[5] IBM, November 20, 2018, Letter from Kevin Whalen to Jessica LaClair of the New York State Department of Environmental Conservation, Subject: Proposed Shutdown of Extraction Well EN-491T, Operable Unit No. 3: Plume Reduction in the Southern Area and Miscellaneous Site Activity A: Plume Reduction in Off-Site Capture Zone A, Former IBM Facility, Endicott, New York, Order on Consent Index #A7-0502-0104, Site #704014.

Site VOC groundwater plume area. A decision by the NYSDEC regarding this request is still pending.

2.4.1.4 Operable Unit #5: Building 57 Area

Following the successful completion of source removal activities in the Building 57 Area (OU#5), extraction well EN-709 began operating in June 2013 to provide hydraulic containment of a small area of VOC-containing groundwater identified in the southwestern portion of OU#5, outside of the thermal treatment source removal areas. Groundwater extracted by EN-709 is treated at the Clark Street GTF. In 2018, groundwater withdrawals at well EN-709 maintained an average extraction rate of 8.4 gpm.

2.4.1.5 Operable Unit #6: Plume Control in Bedrock Groundwater

Extraction well EN-D49 is located on McKinley Avenue near the southwestern corner of Building 42 (Figure 1-3) and extracts groundwater from the bedrock unit within Operable Unit #6 (OU#6). The long-term extraction rate was maintained at approximately 24 gpm throughout 2018, similar to the average rate from 2009 to 2017. Groundwater extracted by EN-D49 is treated at the Adams Avenue GTF.

2.4.1.6 Operable Unit #7: Northwestern Area

Two inactive extraction wells, EN-218 and EN-154R, were located in Operable Unit #7: Northwestern Area (OU#7). These two wells were installed to remediate residual contamination from historical Endicott-Johnson and IBM operations.

Extraction well EN-218 was shut down in October 2012 when it was determined that well EN-154R was sufficient for remediation in OU#7. In November 2013, IBM requested approval from NYSDEC to conduct a shutdown test of EN-154R for the purpose of monitoring and quantifying downgradient changes in groundwater quality prior to deciding whether to permanently discontinue operation of EN-154R. Extraction well EN-154R was subsequently shut down in February 2014 with NYSDEC approval and the Robble Avenue GTF, which treated groundwater extracted from EN-218 and EN-154R, was also shut down in February 2014. Following more than three years of quarterly post-shutdown monitoring, a shutdown test report for extraction well EN-154R was submitted to NYSDEC in August 2017. A Record of Decision describing NYSDEC's selected remedy of monitored natural attenuation for OU#7 was subsequently issued in March 2018. In July 2018, extraction wells EN-154R and EN-218 were decommissioned along with the Robble Avenue GTF.

2.4.2 Groundwater Treatment Systems

Groundwater withdrawals from each of the 17 extraction wells that were pumped in 2018 were treated at one of four active GTFs operated by IBM or at the Huron OTF. Treated water discharged from the four GTFs was discharged to the Susquehanna River via the Endicott municipal storm sewer system at one of four separate outfalls. The Huron OTF also discharges to a separate outfall in the municipal storm sewer system.

All four GTFs operated by IBM treated water from more than one extraction well in 2018. The following sections briefly describe each GTF and explain which extraction wells are connected to each GTF. Detailed descriptions of the four GTFs operated by IBM in 2018 are included in the OM&M Manual (Appendix H).

2.4.2.1 Garfield Avenue GTF

The Garfield Avenue GTF uses liquid-phase granular activated carbon (GAC) as the primary treatment for extracted groundwater. The two-stage liquid-phase GAC system consists of two adsorption vessels, each with 20,000 pounds of GAC. The Garfield Avenue GTF also incorporates a 3,000-gallon equalization tank and influent transfer pump installed as part of a GTF upgrade in 2012. An air stripping treatment system with vapor-phase treatment vessels for aerator off-gas treatment was installed in 2013 to address variable mass loading of chlorinated ethanes in the groundwater extracted from wells EN-276 and EN-276R. Modifications to the conveyance piping were also made to segregate groundwater extracted by well EN-284P from groundwater extracted by wells EN-276 and EN-276R. On June 27, 2018, the air stripping treatment system was shut down and all extracted groundwater was subsequently processed through the liquid-phase GAC system. During 2018, all of the groundwater treated via the two-stage liquid-phase GAC system and the air stripping treatment system in the Garfield Avenue GTF was discharged to the Susquehanna River via Outfall 001M through the Endicott municipal storm sewer system.

2.4.2.2 Jefferson Avenue GTF

The Jefferson Avenue GTF, like the Garfield Avenue GTF, used liquid-phase GAC as the primary treatment for extracted groundwater. The two-stage liquid-phase GAC system consisted of two adsorption vessels, each with 20,000 pounds of GAC. During the first five months of 2018, all of the groundwater treated via the two-stage liquid-phase GAC system in the Jefferson Avenue GTF was discharged to the Susquehanna River via Outfall 002M through the Endicott municipal storm sewer system. Following the shutdown of extraction wells EN-91T and EN-451P in January 2018, and extraction well EN-133 in May 2018, the Jefferson Avenue GTF was deactivated. The carbon was removed from the liquid-phase GAC system in July 2018.

2.4.2.3 Adams Avenue GTF

The treatment system at the Adams Avenue GTF uses liquid-phase GAC systems similar to the Garfield Avenue and Jefferson Avenue GTF systems. The arrangement of the treatment systems at the Adams Avenue GTF allows for separate treatment of groundwater from two groups of wells exhibiting distinctive geochemical characteristics and having different pre-treatment requirements. One influent stream, consisting of groundwater extracted from bedrock well EN-D49 (and previously from inactive wells EN-185P and EN-492T) is designated as the “A1 line” and uses a solids removal system consisting of an equalization tank, sand filter with automated backwash, settling vessel, and high speed centrifuge to remove suspended solids in a pre-treatment step. This influent stream is then chemically treated to sequester calcium and magnesium carbonate and suppress biofouling in a second pre-treatment step. The final treatment step uses a two-stage liquid-phase GAC system consisting of two adsorption vessels, each with 20,000 pounds of GAC.

The other influent stream, consisting of groundwater extracted from wells EN-447T and EN-491T (and previously from decommissioned extraction well EN-195) is designated as the “A2 line” and does not require pre-treatment. This influent stream is handled with a separate two-stage liquid-phase GAC system consisting of two adsorption vessels, each with 10,000 pounds of GAC. In 2018, all of the treated effluent from the A1 and A2 lines was discharged to the Susquehanna River via Outfall 003M through the Endicott municipal storm sewer system.

2.4.2.4 Clark Street GTF

In 2018, groundwater from four active extraction wells in OU#1 (EN-114T, EN-428, EN-253R, and EN-219R) and one active extraction well in OU#5 (EN-709) was treated at the Clark Street GTF. The Clark Street GTF is located on the north side of Clark Street near the eastern end of the Huron campus and contains a 3,000-gallon equalization tank, a QED EZ-Tray air stripper and three in-series vapor-phase treatment vessels for aerator off-gas treatment. Two of the vapor-phase treatment vessels contain granular activated carbon and a third vapor-phase treatment vessel contains a special zeolite medium for polishing the air stripper effluent stream. The treated effluent is discharged to the Susquehanna River via Outfall 006M through the Endicott municipal storm sewer system.

3 DESCRIPTION OF WORK PERFORMED IN 2018

3.1 Remediation System Operations

This section of the Combined Groundwater Report discusses the groundwater extraction systems and contaminant recovery achieved by extraction wells operating at the Site during 2018 and the efficiency of groundwater treatment to remove these contaminants from the groundwater prior to discharge to surface water via the storm sewer system. Appendix G presents a summary of significant maintenance activities conducted in 2018 for the groundwater extraction and treatment systems.

3.1.1 Groundwater Extraction

As noted in Section 2.4.1, groundwater extraction volumes by well and by month in 2018 are shown on Table A-1 of Appendix A. The total volume of groundwater extracted at the Site in 2018 was 167.7 MG. A breakdown of the total extraction volumes in MG by remediation area in 2017 and 2018, and the change from 2017 to 2018, is shown below on Table 3-1.

Table 3-1: Groundwater Extraction Volumes by Capture Zone (MG, millions of gallons)

Area	2017	2018	Change from 2017 to 2018
OU#1 / OU#2 Northern Capture Zone (Source Control)	42.3	33.2	-9.1
OU#2 / MA-A Southern Capture Zone (Control of Mass Flux Crossing North St)	49.3	18.7	-30.6
Former Off-Site Plume Area Capture Zone	239.4	98.8	-140.6
OU#5 Capture Zone	5.1	4.4	-0.7
OU#6 Bedrock Groundwater Capture Zone	13.1	12.6	-0.5
Total	349.2	167.7	-181.5

Extraction volumes declined in all areas of the Site in 2018 due to a combination of cessation of clean water injection in late 2017, decreasing saturated thickness, and a reduction in the number of active extraction wells. The most significant decrease occurred in the area of the former off-Site plumes (Off-Site Capture Zone A, OU#3 and OU#4) where the 2018 extraction volume (98.8 MG) decreased by 59 percent. A similar decline in extraction volume (62 percent) occurred for the wells controlling the mass flux crossing North Street (OU#2 / MA-A Southern Capture Zone). A decrease of 9.1 MG in the railroad corridor source area (OU#1 / OU#2 Northern Capture Zone) was primarily the result of a decrease in the volume pumped from extraction well EN-114T. The volume extracted in the Building 57/57A Area (OU#5 Capture Zone) decreased in 2018 to a volume similar to OU#5 groundwater withdrawals in 2015 and 2016.

The volume of bedrock groundwater extracted by well EN-D49 in 2018 was 12.6 MG, a slight decrease from 2017, but within the range of EN-D49 annual withdrawals (12.2 to 12.8 MG) from 2009 to 2016.

3.1.2 Influent and Effluent Sampling of Groundwater Treatment Systems

Influent and effluent samples were collected monthly in 2018 from the Garfield Avenue GTF, Jefferson Avenue GTF, Adams Avenue GTF, and Clark Street GTF. Mid-point samples (from between carbon vessels) were collected at least monthly from the Garfield, Jefferson, and Adams Avenue GTFs. Separate influent and mid-point samples were collected from the A1 and A2 lines of the Adams Avenue GTF. Sampling points at the Clark Street GTF consisted of air stripper influent and a final effluent sampling point prior to discharge to Outfall 006M. All influent, effluent, and mid-point samples were analyzed for VOCs by SW-846 Method 8260C. The pH of the effluent was also recorded in the field. Analytical chemistry data for influent and effluent samples collected in 2018 is presented in Appendix E-2.

3.1.3 Operational Efficiency

The operational efficiency of the extraction wells and treatment systems at the Site in 2018 was analyzed by reviewing the number of days that each well was pumping and comparing this number to the number of possible days of operation. Wells were considered active on days when at least 10 gallons per day were extracted. Table 3-2 summarizes the days of activity for each well and shows the up-time percentage relative to either the number of days in the year or the period when the well was available (e.g., partial year for EN-194, EN-215T, EN-91T, EN-133, EN-451P and EN-107R).

Table 3-2: Operational Efficiency of Extraction and Injection Wells in 2018		
Well	**Actual Days of Operation out of Possible Days of Operation**	**Percent Time in Operation***
EN-284P	365/365	100%
EN-194	70/71	98.6%
EN-215T	178/178	100%
EN-276	364/365	99.7%
EN-276R	364/365	99.7%
EN-091T	29/29	100%
EN-133	149/149	100%
EN-451P	4/4	100%
EN-491T	361/365	98.9%
EN-447T	363/365	99.4%
EN-D49	365/365	100%
EN-107R	147/149	98.6%
EN-219R	361/365	98.9%
EN-253R	355/365	97.2%
EN-428	348/365	95.3%
EN-709	361/365	98.9%
EN-114T	358/365	98.1%
*Percent time in operation is based on full days when at least 10 gallons was pumped.		

As shown on Table 3-2, the operational efficiency for all 17 extraction wells operating in 2018 was greater than 95% based on possible days of operation, not including days following permanent shutdown or decommissioning. The operational efficiency of 15 of 17 wells was greater than 98% and six wells operated at 100% efficiency. Operational periods for some wells were affected by factors such as routine well maintenance, carbon changes, and well cleanings.

3.1.4 Treatment Efficiency

Treatment efficiency was calculated for the four GTFs operating in 2018 by comparing VOC concentrations in the influent to VOC concentrations in the effluent from each treatment system. The pH and concentrations of VOCs in the effluent from all four GTFs operated by IBM were within the limits allowed by the former SPDES permit (pH = 6.0 to 9.0 and individual VOC concentrations less than 10 µg/L). Based on the ratio of influent to effluent concentrations, the treatment efficiency for the four active GTFs was greater than 99.9% in 2018.

3.1.5 System Maintenance

3.1.5.1 Water Treatment Chemical (WTC) Use and Reporting

Water treatment chemicals (WTCs) were used in 2018 at the Garfield Avenue GTF (Outfall 001M) Adams Avenue GTF (Outfall 003M), and Clark Street GTF (Outfall 006M) and associated extraction wells. The purpose of the WTCs is to control biofouling and precipitation of iron and calcium in the extraction wells, GAC beds, air strippers, treatment system piping, meters, and pumps. Some of the WTCs are added directly to the treatment system trains, whereas others are injected or added at the extraction wells. Three different WTCs were used with NYSDEC approval. Table 3-3 lists these WTCs, their purposes, and the total quantity of each that was used in 2018. A detailed table was submitted to NYSDEC in April 2019 to comply with the annual WTC reporting requirement.

Table 3-3: Water Treatment Chemical Use in 2018

Water Treatment Chemical	Outfalls Where Used	Quantity Used in 2018 (pounds)	Purpose
H_2O_2 (Hydrogen Peroxide)	006M	17,344	Oxidizer/antifouling properties
Redux 300*	001M, 003M, 006M	16,992	Controlling iron and calcium deposits
Redux 525*	003M	2,312	Control of biofouling
	Total:	**36,649**	**Pounds**

*Contains phosphorus; total phosphorus analysis of effluent required when in use.

As shown on Table 3-3, IBM used a total of 36,649 pounds (18.3 tons) of water treatment chemicals in 2018 to maintain operational efficiency of the groundwater extraction and treatment systems at the Site.

3.1.5.2 Carbon Changes

Granular activated carbon was used at the four active groundwater treatment facilities in 2018. The Garfield Avenue, Jefferson Avenue, and Adams Avenue GTFs use liquid-phase GAC vessels in the groundwater treatment process. The Garfield Avenue GTF also used vapor-phase GAC vessels to treat the air stream from the air stripping system that operated until June 27, 2018. The Clark Street GTF uses vapor-phase GAC vessels for treatment of the air stream from the air stripping system.

When the GAC reaches its adsorptive capacity for removal of VOCs, the spent carbon is removed from its respective vessel by the vendor and is replaced with virgin or reactivated carbon. Detections of VOCs in the midpoint samples of the liquid-phase GAC vessels are used to determine whether the adsorptive capacity of the GAC has been exhausted. During a carbon change, the spent carbon is removed from the lead vessel and is replaced with fresh carbon. The lead-lag positions of the two in-series vessels are then reversed by adjusting valves and/or hose connections, except when carbon is changed in both the lead and lag vessels.

The carbon change-out process takes several hours and requires shutdown of the treatment system and associated extraction wells. The extraction wells are restarted following the carbon change. Table 3-4 lists the carbon changes that occurred in 2018 at the four GTFs. Five liquid-phase and 10 vapor-phase carbon changes occurred in 2018. 204,800 pounds (approximately 102 tons) of spent carbon was shipped off-site for regeneration.

Table 3-4: Granular Activated Carbon Changes in 2018		
GTF	**Date**	**Net Weight of Spent Carbon (pounds)**
Garfield	2/8/18 2/14/18 4/17/18 5/29/18 8/9/18	40,000 2,000* 2,000* 4,000* 39,000
Adams	9/4/18 (PV-1A) 9/25/18 (A1)	3,700 3,500
Clark	1/9/18 2/21/18 3/20/18 4/17/18 5/29/18 10/16/18 11/27/18	7,000* 7,000* 7,000* 6,000* 14,000* 15,600* 14,000*
Jefferson**	7/19/18	40,000
	Total	204,800

* Denotes vapor-phase GAC; all other weights are for liquid-phase GAC. Net weight for liquid-phase carbon excludes water weight and precipitated solids.
** Removal of carbon following shutdown of Jefferson GTF in July 2018.

3.1.5.3 Repairs and Maintenance

Submersible pumps and motors were replaced during 2018 in wells EN-219R, EN-253R, EN-284P, EN-428, EN-447T, EN-491T, EN-709, and EN-D49. Vacuum pumps were replaced or rebuilt in vacuum-assisted extraction wells EN-219R (twice), EN-447T, and EN-491T (three times).

Extraction wells EN-114T, EN-219R, and EN-428 in OU#1 were rehabilitated either by surging or by liquid CO_2 injection of the well screens. Chemicals including acids and biocides were used during surging as needed to break down precipitates and inhibit microbial growth.

The C1 conveyance pipeline system between B046S and the Clark Street GTF was cleaned by flushing with municipal water seven times in 2018. The C1 line sections between B046S and well EN-107R were flushed once and the line between EN-114T and B046S did not require flushing in 2018. The C2 conveyance line from B046S to the Clark Street GTF was flushed on February 20, March 16, April 18, and September 26, 2018. The C6 conveyance line from the EN-709 transfer station to the Clark Street GTF was flushed with municipal water four times in 2018.

The annual cleaning and calibration of flow meters at wells EN-194, EN-215T, EN-284P, EN-276 and EN-276R was performed in March 2018. Annual cleaning and calibration of flow meters was also performed in March 2018 at the Clark Avenue GTF and the Garfield Avenue GTF. Flow meter cleanings were performed in January 2018 and May 2018 in wells EN-276 and EN-276R, and in May 2018 and July 2018 in wells EN-253R and EN-428. Additional flow meter cleanings were completed in February 2018 at EN-107R, in December 2018 at wells EN-114T, EN-253R, EN-428, and several times throughout the year at wells EN-219R and EN-709.

3.1.6 System Upgrades

System upgrades completed in 2018 included: (1) design and construction of a larger diameter, double-contained above ground conveyance piping system and associated well control wiring in the OU#1 railroad corridor between extraction well EN-114T and the B046S transfer building; and (2) reconfiguring of the wellhead completions for extraction wells EN-114T, EN-219R, and EN-709. The conveyance piping and control wiring upgrades were completed to facilitate higher groundwater withdrawal rates from Upper Aquifer extraction well EN-114T, while the wellhead completion upgrades were constructed to improve well rehabilitation effectiveness and efficiency.

The double-contained conveyance piping consists of nominal 3-inch diameter HDPE piping inside nominal 6-inch diameter HDPE piping. The piping installation was completed in two phases. The first phase consisted of adding the new conveyance piping and control wiring on the trestle between the EN-107R transfer building and the B046S transfer building. The existing 2-inch/4-inch nominal diameter double-contained piping on the trestle between the EN-107R transfer building and the B046S transfer building has been retained to serve as a backup to the new conveyance piping and to allow for flushing of conveyance lines between the EN-114T well head and the B046S transfer station using potable water. The second phase consisted of adding the new conveyance piping along the southwest corner of Building 48 and the adjacent overhead piping trestle used to carry the lines over the roadway situated between EN-114T and the EN-107R transfer building.

The reconfiguring of the wellhead completions for extraction wells EN-114T, EN-219R, and EN-709 consisted of welding on flanges and pitless adapters to remove casing obstructions that can decrease well rehabilitation effectiveness and efficiency by limiting the diameter of tooling that can be used and extending the length of time for well rehabilitation activities.

3.2 Groundwater Monitoring Program Activities

Groundwater monitoring activities performed during 2018 in accordance with the 2018 Groundwater Monitoring Plan included measurement of groundwater elevations, inspection and maintenance of monitoring wells including repairs to surface seals, and collection of groundwater samples for chemical analysis. Each of these activities is described in one of the following subsections.

3.2.1 Groundwater Elevation Measurements

Groundwater elevations were calculated by subtracting the measured depth to water from the surveyed elevation of the measurement point listed in Appendix C. For most wells, the designated measurement point is the top of the inner well casing (the "TOC Elevation"). This measurement reference point is typically notched into the top of the well casing.

3.2.1.1 Comprehensive Water Level Measurement Events

In 2018, 2,157 water levels were measured manually using portable electronic water level meters during water level measurement events. The principal water level measurement events are listed below.

1. A comprehensive semiannual water level measurement event occurred on May 23, 2018 (401 measurements) to satisfy semiannual reporting requirements. The May 2018 event included monitoring wells completed in the Bedrock Aquifer as well as those completed in the Upper Aquifer.

2. A second comprehensive water level measurement event occurred on August 28, 2018. The August 2018 event consisted of 391 measurements to satisfy semiannual reporting requirements. This event included monitoring wells completed in the Bedrock Aquifer as well as those completed in the Upper Aquifer.

3. Monthly water level measurement events occurred in February, March, April, June, and July 2018 to monitor the effects of the November 2017 clean water injection shutdown and the shutdown of several site extraction wells that occurred during the first half of 2018. A total of 1,279 measurements were made during these five monthly events.

4. An additional water level measurement event on January 8, 2018 to monitor a water main leak in the vicinity of Building 96 consisted of 14 measurements.

5. Four additional water level measurement events in August and September monitored a water main leak in the vicinity of the cooling towers located northwest of Building 18 and consisted of 46 measurements.

6. An additional water level measurement event on December 31, 2018 to monitor a water main leak north of Building 14 consisted of 26 measurements.

The groundwater elevation data collected during these events are presented in Appendix C of this report.

3.2.1.2 Supplemental Water Level Measurements

Hundreds of supplemental groundwater elevations were measured in 2018. Groundwater elevations were measured manually using portable electronic water level meters at each active or inactive extraction well and its associated observation well periodically throughout 2018 as part of routine extraction well operations. Water levels were also measured each time a well was sampled and when the electronic dataloggers were downloaded.

3.2.1.3 Continuous Water Level Monitoring

At the beginning of 2018, continuous water level recorders were operating in eight monitoring wells in the Railroad Corridor Source Area (OU#1), in the North Street Area (OU#2), in OSCZ-A (MA-A), and in the Southern Area (OU#3). As of December 31, 2018, continuous water level recorders continued to operate in eight monitoring wells in OU#1 and OU#2. The wells in which recorders were deployed in 2018 are listed on Table 3-5. Each water level recorder consists of a pressure transducer and datalogger that electronically records periodic readings from the transducer. Water level data were periodically downloaded from these dataloggers and were converted to groundwater elevations. Manual water level measurements made at the time of downloading were used to calibrate the data collected by the dataloggers.

Table 3-5: Monitoring Wells with Continuous Water Level Recorders during 2018

OU#1/OU#2		MA-A/OU#3
EN-12	EN-148*	EN-29A*
EN-19	EN-187	EN-401*
EN-37	EN-471	
EN-51*	EN-484	
EN-52	EN-509	
EN-114*	EN-533*	

* The water level recorder was removed from this well before 12/31/2018.

3.2.2 Monitoring Well Inspections

All wells have been surveyed for planar coordinates (northing and easting on the state coordinate grid), ground surface elevation and measurement point elevation (typically top of casing). The table of Physical Well Data and Well Specifications, Table B-1 of Appendix B, presents this data plus other information, including a location description, installation date, depth, well screen intervals, size and materials of casing and screen, and depth to the bottom of the Upper Aquifer (where the lacustrine silt was encountered).

A comprehensive inspection of the well field was performed in 2018, supplemented by additional inspections when each monitoring well was sampled. The following items were covered during the inspections: (1) measurement of the depth to bottom and comparison of this depth to the well's reference depth to determine the need for redevelopment due to buildup of silt; (2) assessment of the legibility of the well tag, visibility of the survey mark, and need for painting or maintenance of the standpipe or manhole; (3) assessment of the condition of the well seal; (4) assessment of the general downhole condition of the well, including the presence of bends or obstructions; and (5) documentation of dedicated equipment. The results of the well field inspection are summarized in Table B-2 of Appendix B.

3.2.3 Groundwater Sampling

Quarterly groundwater sampling events occurred in February, May, August, and November 2018. The semiannual sampling events occurred in May and August 2018 and samples were collected monthly from active extraction wells. The groundwater samples were analyzed by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania. The laboratory is certified by the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP), Certificate No. 10670.

The remainder of this section presents the analytical results for environmental samples collected during 2018, including blank samples for quality control (QC) and samples from groundwater monitoring wells and extraction wells.

3.2.3.1 Reporting of Groundwater Chemistry Data

Groundwater chemistry data generated in 2018 from groundwater sampling activities is maintained in a geographic information system (GIS) database by GHD of Windsor, Ontario. The database is updated periodically and the updates are web-accessible. This GIS database contains both groundwater analytical chemistry and associated field QC data for trip blanks and equipment rinse blanks. The analytical laboratory transmits the preliminary data electronically to both GHD and GSC. Full report packages of analytical chemistry data ("data deliverables packages") follow and are transmitted by the analytical laboratory on CD to both GHD and GSC. Information regarding the analytical method, sample results, QC results, chain-of-custody documentation, laboratory correspondence, and raw data are provided with these data deliverables packages.

An independent third-party data validator (GHD) assessed the acceptability and usability of the data according to criteria contained in the EPA Region 2 validation criteria for organic data. Laboratory analytical results were assessed by the data validator for compliance with chain-of-custody procedures, holding times, system monitoring compound (surrogate) recoveries, matrix spikes, blank contamination, GC/MS instrument performance checks, compound quantitation and reported detection limits, instrument calibrations, and internal standards.

Upon completion of validation, a data usability summary report (DUSR) was prepared for each data deliverables package. Limitations on the use of laboratory data were reported by means of qualification codes as summarized in the DUSR. The most common qualification code is a "J", which indicates that the reported concentration is estimated. The GIS database maintained by GHD reflects the final data qualification codes and corrected concentrations.

Summary tables of groundwater analytical chemistry data for samples collected in 2018, including duplicate samples, are presented in Appendix E. The data presented in Appendix E-1 are shown in alphanumeric ascending order by sample location (well number) and then chronologically within each sampling location. Groundwater chemistry data for several monitoring wells located on private property were reported to the property owners in advance of this report. As noted in Section 3.1.2, analytical chemistry data for the influent to and effluent from the four groundwater treatment facilities operated by IBM in 2018 are presented in Appendix E-2.

3.2.3.2 Quality Assurance/Quality Control Samples

QA/QC analytical data for 2018 consisting of duplicate samples, equipment rinse blanks, and trip blanks is discussed in the following subsections. Analytical chemistry data for duplicate samples is presented in Appendix E. Analytical chemistry data for blank samples is presented in Appendix F. Methylene chloride, a common laboratory contaminant, was detected in nine rinse blanks from August and November 2018 and in one trip blank from August 2018 at a maximum concentration of 0.3 micrograms per liter (µg/L). c12-DCE was detected in two rinse blanks collected in May and November 2018 at a maximum concentration of 0.1 µg/L. Xylenes were detected in three rinse blanks collected in May and August 2018 at a maximum concentration of 0.1 µg/L. Toluene was detected in 18 of 27 rinse blanks collected in May, August, and November 2018 at a maximum concentration of 0.8 µg/L. TCE was detected at a concentration of 2.7 µg/L in one rinse blank collected from a water level indicator in August 2018. Groundwater analytical data associated with these trip blank and rinse blank detections were qualified as necessary in accordance with EPA Region 2 validation criteria.

3.2.3.2.1 Duplicate Samples

Duplicate samples were collected by filling multiple sample containers from the same sampling device during each sampling round at a frequency of at least one duplicate sample per 20 samples collected from groundwater monitoring wells (i.e., a minimum of five percent of the samples). Forty (40) duplicate samples were collected in 2018, which is six percent of the 672 unique groundwater samples that were collected from monitoring wells. The duplicate samples were analyzed by SW-846 Method 8260C and were used to assess intralaboratory analytical accuracy and repeatability. The duplicate samples were assigned blind field identification numbers by the samplers.

Comparative results for a portion of the data from the duplicate samples collected in 2018 are presented in Table F-1 of Appendix F. The relative percent difference (RPD) between the results for each primary sample and duplicate sample was calculated and is shown on Table F-1 for the two VOCs with the highest detections in each well. (Note: Two duplicate sample pairs did not have any detections.) Eighteen of 76 RPD results on Table F-1 exceed 10% and only seven exceed 20%. The highest RPD is 59%, where the primary and duplicate sample results for 11-DCA at EN-096 in OU#7 may show the effects of matrix interference.

Based on criteria including the results of the calculations, the parameters analyzed and reported, the absolute differences given sample dilutions, concentration levels, and professional judgment, the duplicate results for 2018 are satisfactory and do not exhibit gross systematic variations that would indicate serious analytical quality control problems.

3.2.3.2.2 Trip Blanks

In addition to duplicate split samples, 59 trip blanks for VOCs were prepared in 2018 using deionized water for each cooler containing VOC samples to be delivered to the laboratory. The purpose of the trip blanks is to detect contamination in sample transportation or storage. A trip blank accompanied the sample containers from the field sampling locations and to the laboratory. Analytical results for these trip blanks are presented in Appendix F. The environmental samples associated with each trip blank can be determined by noting the dates over which the trip blanks are valid (refer to “Sample Description” heading in Appendix F).

3.2.3.2.3 Equipment Rinse Blanks

Equipment rinse blanks were collected to confirm the efficiency of decontamination procedures for each sampling round by rinsing non-dedicated equipment with analyte-free deionized water supplied by the laboratory. Thirty-four (34) equipment rinse blanks for VOCs were collected in 2018: 32 from water level indicators, one from a non-dedicated bailer, and one from a submersible pump. Analytical results for these equipment rinse blanks are presented in Appendix F.

4 HYDROGEOLOGY

This section of the report reviews the geology and hydrogeology of the Site and presents updates regarding geologic and hydrogeologic interpretations, and the hydraulic effectiveness of the groundwater extraction wells.

4.1 Upper Aquifer

The Upper Aquifer is an unconfined, water table aquifer, consisting of the uppermost water-bearing unit at the Site. As predicted, less groundwater withdrawal from Upper Aquifer extraction wells was necessary in 2018 to maintain hydraulic control of Upper Aquifer groundwater in former off-Site plume areas for MA-A, OU#3, and OU#4. Following the shutdown of clean water injection in November 2017, five Upper Aquifer groundwater extraction wells in the former off-Site plume area were sequentially shut down during the first half of 2018. Results of monthly water levels were used to support the timing and sequence of the extraction well shutdowns. The combined effects of discontinuing clean water injection and reducing groundwater extraction between late 2017 and the middle of 2018 resulted in significant changes in apparent off-Site Upper Aquifer capture zones. The saturated thickness of the Upper Aquifer in August 2018 and the apparent groundwater flow directions and capture zones in the Upper Aquifer in August 2018 are described in the following subsections.

4.1.1 Saturated Thickness

A lacustrine silt surface elevation contour map is provided as Plate 2-1. As explained in Section 2.2.2, the top of the lacustrine silt is in contact with the base of the Upper Aquifer. Plate 4-1 shows the data and elevation contours for the top of the saturated zone in the Upper Aquifer on August 28, 2018. The saturated thickness of the Upper Aquifer was derived by cross-contouring the top-of-silt contour map (Plate 2-1) with the August 2018 groundwater elevation contour map for the Upper Aquifer (Plate 4-1). The resulting saturated thickness contour map for the Upper Aquifer in August 2018 is shown on Figure 4-1. The areas where the Upper Aquifer is unsaturated or has less than two feet of saturation are shaded on Figure 4-1. These "dry" or nearly dry areas of the Upper Aquifer are also shown on Plate 4-1. Overall, a comparison of the August 2018 saturated thickness contours depicted on Figure 4-1 with saturated thickness contours for August 2017 indicates an increase in the lateral extent of "dry" areas and nearly dry areas, and a roughly five- to ten-foot decline in saturated thickness.

4.1.2 Groundwater Flow and Capture Zones

This subsection examines groundwater flow within the Upper Aquifer under pumping conditions with the extraction wells operating. As noted above, Plate 4-1 shows the groundwater elevation contours for the Upper Aquifer based on groundwater elevations recorded on August 28, 2018. Apparent groundwater flow divides and flow directions based on contouring of the August 2018 groundwater elevation data are also depicted on Plate 4-1. Overall, the apparent flow divides show that Upper Aquifer groundwater withdrawals have maintained four general capture zones:

1. The "OU#1/OU#2 Northern Capture Zone", providing hydraulic control of groundwater in the Railroad Corridor Source Area located in the southern portion of OU #1 and the northern portion of OU#2;

2. The "OU#2/MA-A Southern Capture Zone", providing hydraulic control of VOC mass flux in groundwater in the vicinity of the North Street Area;

3. The "Former Off-Site Plume Area Capture Zone", providing hydraulic control of groundwater in the area of former off-Site VOC plumes within Off-Site Capture Zone A (MA-A), OU#3, and OU#4; and

4. The "OU#5 Capture Zone", providing hydraulic control of groundwater in the former Huron Lot #26 parking area.

A fifth area of interest consists of the southern portion of the former off-Site plume area for OU#3: Southern Area which lies beyond the limits of the Former Off-Site Plume Area Capture Zone, as discussed further in Section 4.1.2.5.

4.1.2.1 OU#1/OU#2 Northern Capture Zone

Groundwater flow in the OU#1/OU#2 Northern Capture Zone is controlled by groundwater withdrawals from extraction wells located in three areas along the northern side of the Norfolk

Southern railroad tracks. From west to east, as shown on Plate 4-1, these are extraction wells EN-114T, extraction wells EN-428 and EN-253R, and extraction well EN-219R. The apparent area of capture encompasses both sides of the Norfolk Southern railroad tracks and apparent source areas located proximate to the northwest corner of Building 18, the northeast corner of Building 18, the area north of Building 41, the area of Building 45 and the southern portion of Building 46, and areas south and southeast of Building 47.

As shown on Plate 4-1, the combined groundwater withdrawals by extraction wells EN-114T and EN-219R produce a broad area of capture that extends across much of OU#1 and the northern portion of OU#2. Vacuum-assisted extraction well EN-219R has a broader extent of capture as compared to EN-114T. The position of the flow divide between these two wells in the area beneath Building 48 is influenced by the surface topography of the underlying lacustrine silt unit. The apparent limits of the combined capture area for wells EN-428 and EN-253R is difficult to discern and severely limited in extent due to the relatively low yields of both wells.

4.1.2.2 OU#2/MA-A Southern Capture Zone

Groundwater flow in the OU#2/MA-A Southern Capture Zone is controlled by groundwater withdrawals from extraction wells EN-276, EN-276R, and EN-284P. As shown on Plate 4-1, wells EN-276 and EN-276R are located between Building 18 and Building 14, while well EN-284P is located in a glacial ice-block depression about 200 feet south of North Street. Combined withdrawals from wells EN-276 and EN-276R provide control of near-source groundwater plume areas and the dissolved VOC mass flux beneath the area of Building 18. Withdrawals from well EN-284P capture dissolved VOC mass flux that crosses North Street in the area of Building 41, McKinley Avenue, and the western portion of the “Old Group” buildings. Due to the surface topography of the underlying lacustrine silt unit, the apparent limits of capture for well EN-284P extend nearly 400 feet south towards Monroe Street.

4.1.2.3 Former Off-Site Plume Area Capture Zone

Groundwater flow in the Former Off-Site Plume Area Capture Zone is controlled by operation of extraction wells EN-447T and EN-491T. During the first half of 2018, dewatering within this capture zone was assisted by operation of extraction wells EN-91T, EN-133, EN-194, EN-215T, and EN-451P. As shown on Plate 4-1, this capture zone covers an extensive area, extending to the west near Lincoln Avenue, to the east near Jackson Avenue, and to the south near Tracy Street. As of August 2018, the majority of hydraulic control within this capture zone was due to groundwater withdrawals from well EN-447T, located at the northern end of the McKinley Avenue interchange.

Well EN-447T provides laterally extensive control due to its position within an elongate depression in the surface of the lacustrine silt located south of Monroe Street between Garfield Avenue and Adams Avenue (Plate 2-1) where the saturated thickness of the glacial outwash sand and gravel is generally greater than 20 feet (Figure 4-1). This feature is referred to as the top-of-silt "trough" or "trough area," and extraction wells in this feature have been referred to as the "trough wells" or "trough extraction wells." As depicted on Plate 4-1, the water level data indicate that operation of extraction well EN-491T controls groundwater flow in a narrow north-to-south oriented zone between North Street and Monroe Street. In August 2018 the average yield at well EN-491T (13.7 gpm) was about an order of magnitude less than the average yield from well EN-447T (124 gpm).

4.1.2.4 OU#5 Capture Zone

Groundwater flow in the southwestern portion of OU#5 is controlled by groundwater extraction from well EN-709 located in the former Huron Lot #26, now occupied by Gault Toyota. This extraction well was installed to target low concentrations of VOCs in groundwater that were identified in this area during Supplemental Remedial Investigations. Extraction at EN-709 began in June 2013 following completion of source removal thermal treatment activities. As shown on Plate 4-1, the capture zone of EN-709 in August 2018 extended to the south to North Street, to the west near Hayes Avenue, and to the east to Dittrich Street, in a configuration that has been maintained over the past several years. The apparent groundwater elevations and flow directions on Plate 4-1 indicate that shallow groundwater beneath the western part of Building 57 is captured by extraction well EN-709.

4.1.2.5 OU#3 Southern Area

The OU#3 Southern Area is hydraulically separated from the Former Off-Site Plume Area Capture Zone as a result of groundwater extraction at EN-447T. As shown on Plate 4-1, the groundwater flow divides separating the OU#3 Southern Area from the Former Off-Site Plume Area Capture

Zone, as inferred for August 2018, have changed significantly from 2017 due to the elimination of clean water injection in several wells and the deactivation and decommissioning of several extraction wells. The August 2018 monitoring data show that the area southeast of East Main Street was outside the limits of capture by the trough extraction wells during the most of 2017, but in 2018 the southern limit expanded southward to Tracy Street. This expansion appears to be a result of the cessation of clean water injection at EN-510T and EN-161T in late 2017. As shown on Plate 4-1, the termination of clean water injection has also lowered the saturated thickness in the OU#3 Southern Area, resulting in expansion of "dry" or nearly dry areas around wells EN-213A, EN-401, and EN-402, and near wells EN-465 and EN-466, on either side of the flow divide near the intersection of Jackson Avenue and Riverview Drive.

4.2 Bedrock Aquifer

As shown on the August 2018 bedrock potentiometric surface contour map provided as Figure 4-2, the operation of extraction well EN-D49 creates a significantly broad zone of apparent hydraulic capture within the bedrock aquifer at the Site. The apparent capture zone extends south to within about 200 feet of Monroe Street, east to within about 200 feet of Adams Avenue, and west into the area between Grant Avenue and Garfield Avenue. Bedrock monitoring wells inferred to be outside the area of EN-D49 capture are EN-D48, EN-D35, and EN-D10 to the east, and EN-D36 to the south. The configuration of this apparent capture zone changes little from year to year.

5 HYDROGEOCHEMISTRY

This section of the annual report presents an analysis of the chemical concentration data collected in 2018, including an assessment of trends that may be occurring at specific monitoring locations.

5.1 Chemicals of Concern

The chemicals of concern at the Site include chlorinated ethenes, chlorinated ethanes, and chlorofluorinated ethanes (Freons). In accordance with the GMP, isoconcentration contour maps for nine principal VOCs have been constructed annually using data from the comprehensive sampling event, typically in August. Analytical chemistry data for groundwater samples collected during the August 2018 sampling event in the OU#1/OU#2 Northern Capture Zone, the OU#2/MA-A Southern Capture Zone, the Former Off-Site Plume Area Capture Zone, and the OU#3 Southern Area were used to construct the isoconcentration contour maps provided as Plates 5-1 through 5-9. Data from the August 2018 sampling event were also used to construct separate isoconcentration maps for key constituents in OU#5 (Plate 5-10), OU#7 (Plate 5-11), and OU#6 (Plate 5-12).

5.1.1 Chlorinated Ethenes

The principal chlorinated ethenes present in groundwater at the Site are tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (c12-DCE), 1,1-dichloroethene (11-DCE), and vinyl chloride (VC). PCE is a primary solvent typically used in degreasing and dry cleaning operations and does not occur in groundwater as a daughter product of another compound. TCE is also a primary solvent used for various industrial applications, and historically in dry cleaning operations, and can be either a daughter product of PCE by reductive dechlorination or a primary solvent unrelated to PCE use. Dissolved TCE, whether derived from PCE or directly from the solvent TCE, degrades by reductive dechlorination to either c12-DCE (preferentially) or trans-1,2-dichloroethene. These two isomers of dichloroethene then degrade by reductive dechlorination to VC, which ultimately degrades to ethene. As a group, these compounds are referred to as the "ethene series." Isoconcentration contour maps for PCE, TCE, c12-DCE, and VC are presented on Plates 5-1, 5-2, 5-3, and 5-4.

11-DCE, an ethene, is a transformation product of 1,1,1-trichloroethane (111-TCA) by an abiotic elimination reaction and also degrades to vinyl chloride and ethene. Because its parent is typically 111-TCA, 11-DCE is grouped with the chlorinated ethanes and is addressed in the following section.

5.1.2 Chlorinated Ethanes

The principal chlorinated ethanes present in groundwater at the Site include 1,1,1-trichloroethane (111-TCA) and 1,1-dichloroethane (11-DCA). 111-TCA is a primary solvent used in many industrial applications and in printing operations. Its principal transformation products are 11-DCA by reductive dechlorination and 11-DCE by an abiotic elimination reaction. As noted in Section 5.1.1, 11-DCE may transform by reductive dechlorination to vinyl chloride and, although it is an ethene compound, 11-DCE is included in the ethane series because its parent compound is typically 111-TCA. 11-DCA may transform to chloroethane by reductive dechlorination. (Chloroethane is detected in only limited areas of the Site and was not contoured for this report.) This group of VOCs is referred to as the "ethane series." Isoconcentration contour maps for 111-TCA, 11-DCA, and 11-DCE are presented on Plates 5-5, 5-6, and 5-7.

5.1.3 Chlorofluorinated Ethanes (Freons)

Other compounds detected in groundwater at the Site include 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113) and 1,2-dichloro-1,2,2-trifluoroethane (Freon 123a), which is a transformation product of Freon 113 by reductive dechlorination. Isoconcentration contour maps for these chlorofluorinated ethanes are shown on Plates 5-8 and 5-9.

5.2 Distribution of Chemical Concentrations in the Upper Aquifer

For each of the nine chemicals of concern, the lowest concentration contour value shown on each isoconcentration contour map is the New York State Groundwater Quality Standard (NYSGQS) listed in 6NYCRR Part 703. The NYSGQS is 2 µg/L for vinyl chloride and 5 µg/L for the other principal VOCs. Descriptions of the distribution of the nine chemicals of concern for Operable Units and their associated plume areas are provided in the following subsections.

5.2.1 Distribution of VOCs in OUs #1 through #4 and MA-A

As shown on Plates 5-5, 5-6, and 5-7, the ethane-series VOCs occur in source areas and plumes associated primarily with the Railroad Corridor Source Area (OU#1) and the North Street Area (OU#2). The ethene-series VOCs also occur in source areas and plumes associated with OU#1 and OU#2 at concentrations greater than the NYSGQS, as shown on Plates 5-1 through 5-4.

Freon 113 and Freon 123a were rarely detected at concentrations greater than 5 µg/L south of North Street in 2018, as shown on Plates 5-8 and 5-9. Plate 5-8 shows that Freon 113 was detected in August 2018 at concentrations greater than 50 µg/L in the vicinity of Railroad Corridor Source Area (OU#1) monitoring well EN-486 near extraction well EN-219R, and at monitoring wells EN-51 and EN-533 near extraction well EN-114T. This is a reduction of one order of magnitude compared to 2017 when concentrations exceeded 500 µg/L in this area. Overall, the majority of the VOC presence in OU#1 and OU#2 is located within the OU#1/OU#2 Northern Capture Zone or the OU#2/MA-A Southern Capture Zone.

Except for TCE (Plate 5-2), the maps for constituents present in the former OU#3/MA-A off-Site plume areas indicate that the dissolved VOC presence at concentrations greater than the NYSGQS has been nearly eliminated and what remains above the NYSGQS continues to be drawn toward extraction well EN-284P. The area of the plume south of North Street where TCE concentrations are greater than the NYSGQS (5 µg/L) has been reduced by more than 90 percent since 2004. Except for well EN-91, adjacent to extraction well EN-91T, where the TCE concentration was 5.5 µg/L in August 2018, TCE concentrations greater than the NYSGQS (Plate 5-2) are being captured by extraction well EN-284P. Elsewhere in the OU#3/MA-A former off-Site plume area, residual plume concentrations between the limit of quantitation (0.5 µg/L) and the NYSGQS (5 µg/L) are captured by extraction well EN-447T. In the Southern Area outside the influence of the extraction wells, concentrations of TCE do not exceed 2 µg/L anywhere east of McKinley Avenue.

c12-DCE and VC are present at concentrations greater than the NYSGQS in a dissolved-phase plume south of the former Ideal Cleaners property (OU#4) as shown on Plates 5-3 and 5-4. In the plume downgradient from the former source area on the former Ideal Cleaners property, the data show that PCE and TCE have been replaced in the downgradient direction by c12-DCE and VC due to reductive dechlorination under anaerobic reducing conditions and cometabolic degradation under localized aerobic conditions. These localized conditions are created by the geochemical effects of petroleum products sourced from the former Endicott Forging property located upgradient from and north of the former Ideal Cleaners property. As shown on Plates 5-3 and 5-4, only small plumes of c12-DCE and VC remain south of the former source area around monitoring well EN-387A; the VC plume is narrow and extends to the southwest away from the former source area whereas the c12-DCE plume is confined to the area around well EN-387A.

5.2.2 Distribution of VOCs in OU#5

Individual isoconcentration maps for each chemical of concern in the Building 57 Area (OU#5) are presented on Plate 5-10 for August 2018 under pumping conditions at extraction well EN-709 with the apparent limits of hydraulic capture shown by a dashed orange line. Monitoring wells screened in units analogous to the Upper Aquifer are shown in purple; other monitoring wells are shown in gray. The isoconcentration contours shown on Plate 5-10 honor chemistry data posted for the Upper Aquifer wells. Concentration data for other wells reflect groundwater conditions in a complex stratigraphy that includes soil fill, alluvium, glacial till, and bedrock strata in addition to the Upper Aquifer outwash sand and gravel.

Concentrations of 111-TCA and PCE did not exceed the NYSGQS in 2018 in the Upper Aquifer at OU#5. Concentrations of 11-DCE exceeding the NYSGQS were detected in well EN-700 near the Norfolk Southern railroad tracks at the eastern edge of the EN-709 capture zone. Concentrations of TCE and c12-DCE exceeded the NYSGQS in one area hydraulically captured by extraction well EN-709 and in one area to the east, outside the EN-709 capture zone. VC was also detected at concentrations greater than the NYSGQS in a specific area along the Norfolk Southern railroad tracks east of the EN-709 capture zone. In general, areas outside the EN-709 capture zone where concentrations of 11-DCA, TCE, c12-DCE, and VC in 2018 were greater than the NYSGQS are similar in extent to those observed since 2015. Freon 113 and Freon 123a continue to be detected at concentrations greater than the NYSGQS south of Building 57 and northeast of extraction well EN-709. Monitoring well EN-700 is the only well where concentrations of either Freon are greater than 5,000 μg/L.

5.2.3 Distribution of VOCs in OU#7

Individual isoconcentration maps for each chemical of concern in OU#7 are presented on Plate 5-11 for August 2018 under non-pumping conditions. Concentrations of 11-DCA, c12-DCE and VC exceeding the NYSGQS were scattered compared to other VOCs, with the highest concentrations at wells EN-96, EN-122, EN-150 and EN-211. Concentrations of TCE exceeded the NYSGQS only at well EN-70 northeast of well EN-96 in an area where no other VOCs were detected at concentrations exceeding the NYSGQS. PCE and 11-DCE were not detected in OU#7 at concentrations exceeding the NYSGQS. As indicated by the isoconcentration contours on Plate 5-11, 111-TCA and 11-DCA detected in the southern portion of OU#7 are inferred to originate primarily from the former tank area of the former Endicott Johnson Rubber Cement Plant, located northwest of Franklin Street. The 111-TCA and 11-DCA plumes extend to the south onto the RMJ Realty LLC property located between the Norfolk Southern railroad tracks and North Street. Concentrations of Freon 113 exceeded the NYSGQS in two small isolated areas (at wells EN-96 and EN-72) while Freon 123a exceeded the NYSGQS in a single area at wells EN-150, EN-96, and EN-67.

5.3 Distribution of VOCs in the Bedrock Aquifer (OU#6)

As shown on Figure 4-2, the operation of extraction well EN-D49 creates an area of groundwater capture within the bedrock aquifer at the Site. The effects of this groundwater capture are shown on Plate 5-12 as a series of seven VOC isoconcentration contour maps constructed using August 2018 groundwater chemistry data from bedrock monitoring wells and from extraction well EN-D49. The contour maps include the apparent limits of well EN-D49 hydraulic capture depicted on Figure 4-2. The lowest concentration contour value shown on each map is the NYSGQS for the VOC shown on that map. These VOC maps show that the operation of well EN-D49 controls the plume of VOCs in bedrock groundwater, with no detections of VOCs at bedrock monitoring wells EN-D10, EN-D35, EN-D36, and EN-D48 outside the zone of groundwater capture, and no detections of VOCs at wells EN-D11 and EN-D41 inside the zone of groundwater capture. The highest VOC concentrations in the bedrock VOC plume were detected at wells EN-D33, EN-D44, EN-D46, and EN-D47, where the concentration of c12-DCE was greater than 1,000 µg/L. All four of these wells lie within the capture zone of extraction well EN-D49.

6 PROGRESS OF REMEDIATION

This section of the Combined Groundwater Report discusses the progress in remediating sources and plumes of VOCs at the Site in the context of the data presented in previous sections and the Site remediation goals stated in Section 2.1.

6.1 Source Area Control in Operable Unit No. 1

The concurrent operation of as many as five extraction wells in the Railroad Corridor Source Area within the OU#1/OU#2 Northern Capture Zone prevents groundwater chemical flux from leaving the source areas along the railroad corridor in OUs#1 and #2. This activity is consistent with the first Site remediation objective listed in Section 2.1, namely control of VOC sources in groundwater within the former IBM manufacturing facility portion of the Site. As summarized in Table A-2, the VOC mass removed from the five extraction wells operating in 2018 (EN-107R, EN-114T, EN-219R, EN-253R, and EN-428) totaled 2,159 pounds, about 19% less than the VOC mass removed from the same five wells in 2017. The decline in VOC mass removal was primarily due to a lower extraction volume for well EN-114T in 2018 as compared to 2017. Conveyance piping upgrades completed in 2018 should result in greater extraction volumes and mass removals for well EN-114T in 2019.

6.2 Control of Flux Crossing North Street in Operable Unit No. 2

Groundwater extraction at wells EN-276 and EN-276R near the southwest corner of Building 18 (B018) continues to control near-source groundwater plume areas in OU#2 and intercepts groundwater chemical flux from those plume areas before it crosses North Street. In addition, EN-284P continues to intercept the groundwater chemical flux crossing North Street between Garfield Avenue and McKinley Avenue, as shown by the groundwater elevation contours and associated capture zones on Plate 4-1 and by the chemical isoconcentration contours in the vicinity of North Street on Plates 5-1 through 5-9.

6.2.1 Groundwater Extraction in OU#2

Well pair EN-276/EN-276R, located north of North Street, and well EN-284P (with nearby well EN-284TD serving as a backup), located south of North Street, provide VOC mass flux control from near-source groundwater plume areas in OU#2. Prior to 2018, groundwater extracted by EN-284P south of North Street had two principal sources in addition to natural recharge: (1) groundwater (and associated VOC mass flux) crossing North Street northeast of EN-284P and (2) clean water injection at wells to the west, east, and south (and associated VOC mass flux from plume areas south and southeast of EN-284P). Before the startup of clean water injection in late 2008, groundwater was also sourced from dewatering of the Upper Aquifer in the vicinity of EN-284P. In 2018, Upper Aquifer dewatering, natural recharge, and groundwater crossing North Street northeast of EN-284P were the principal sources of groundwater extracted by EN-284P. The total combined flow from wells EN-276 and EN-276R in 2018 was 4.1 million gallons (MG), about 10 percent lower than the 4.5 MG extracted in 2017. The volume of groundwater extracted by EN-284P decreased from 44.8 MG in 2017 to 14.5 MG in 2018, primarily due to the cessation of clean water injection in November 2017.

6.2.2 VOC Mass Removal in OU#2

The VOC mass removed annually by wells EN-276/276R decreased from 15 pounds in 2017 to 7.8 pounds in 2018, and the VOC mass removed annually by EN-284P decreased from 36 pounds in 2017 to 26.9 pounds in 2018. The decline in VOC mass removals for these three wells likely reflects continued depletion of available VOC mass in near-source groundwater plume areas beneath the southern portion of OU#2.

6.3 Changes Between 1980 and 2018 in Upper Aquifer Chemistry, OU#1 & OU#2

Changes in concentrations of VOCs over the past 38 years in Upper Aquifer groundwater at OU#1 and OU#2 were assessed by comparing isoconcentration contour maps prepared in 1980 for three key VOCs with similar isoconcentration contour maps prepared for this report using August 2018 data. Plate 6-1 shows these isoconcentration contour maps for PCE, TCE, and 111-TCA in September 1980 and August 2018 for the Railroad Corridor Source Area (OU#1) and the North Street Area (OU#2). The highest concentrations are indicated by darker shades of the respective colors: blue for PCE, tan for TCE and green for 111-TCA. These comparative maps were first shown in the Combined Annual Report for 2014.

A comparison of the two PCE isoconcentration maps shows that the two areas where concentrations were greater than 5,000 µg/L in 1980 along the railroad corridor were two or more orders of magnitude lower in 2018. The magnitude of this decline in concentrations was noted back in 2014 when the lateral extent of the PCE plume with concentrations greater than 5 µg/L was also observed to have greatly diminished since 1980.

Similarly, a comparison of the two TCE isoconcentration maps shows that concentrations that were greater than 50,000 µg/L in 1980 in the same two areas along the railroad corridor were three or more orders of magnitude lower in 2018, a decline that was also noted in 2014. As with PCE, the lateral extent of the TCE plume where concentrations are greater than 5 µg/L is greatly diminished and has been so since at least 2014. The highest concentration of TCE shown on Plate 6-1 in 2018 is 1,100 µg/L at well EN-421 near North Street, and there have been no TCE detections greater than 5,000 µg/L in the vicinity of North Street since 2015.

In the case of 111-TCA, where four areas in 1980 had concentrations greater than 50,000 µg/L, significant reductions have occurred, with the highest concentrations in 2018 being detected in samples collected from extraction wells EN-219R and EN-428/EN-253R in the railroad corridor. Similar to the PCE and TCE plumes, the extent of the 111-TCA plume where concentrations are greater than 5 µg/L had greatly diminished by 2014 and remained so in 2018. The wide area south of North Street between Washington and McKinley Avenues where concentrations of 111-TCA were greater than 500 µg/L in 1980 has been absent since 2006.

6.4 Plume Reduction in OU#3/MA-A Former Off-Site Plume Area

A plume reduction Interim Remedial Measure (IRM) consisting of enhanced groundwater extraction, initiated by IBM in 2004, combined with the steady injection of clean water from 2008 until late 2017, has resulted in the substantial removal of TCE and other VOCs from Upper Aquifer groundwater in the Southern Area (OU#3) and Off-Site Capture Zone A (Miscellaneous Activity A or MA-A). In recognition of these improvements in groundwater quality, NYSDEC issued a Record of Decision (ROD) on March 31, 2015 for this “Off-Site” plume area. The ROD prescribed “No Further Action” as the remedy for OU#3, contingent on continued groundwater extraction and clean water injection until such time that injection and extraction are no longer necessary to meet the plume reduction goals. Continued monitoring of OU#3/MA-A plume reduction IRM efforts following the NYSDEC's issuance of a ROD supported the conclusion that the plume reduction IRM was complete and further operations would no longer provide a meaningful benefit to maintaining attainment of the plume reduction goals. A Final IRM Report with recommendations to discontinue clean water injection and decrease off-Site groundwater extraction was submitted to NYSDEC on November 10, 2017. The NYSDEC approved the shutdown of clean water injection and the shutdown of certain off-Site groundwater extraction wells in late 2017 and the first half of 2018. The Final IRM report was approved by the NYSDEC and the NYSDOH on May 18, 2018. The following subsections discuss the scope of the remaining plume reduction measures and the status of maintaining the OU#3/MA-A off-Site plume reduction goals achieved back in 2012.

6.4.1 Groundwater Extraction

As listed on Table A-1, seven extraction wells operated in the OU#3/MA-A former off-Site plume area during at least part of 2018 to maintain the plume reductions achieved between 2004 and 2017. The total volume extracted by the seven wells was 98.8 MG in 2018, as compared to 239.4 MG in 2017. The decrease of about 140 MG from 2017 to 2018 is due primarily to the cessation of clean water injection in November 2017. For reference, 238.5 MG of clean water was injected in 2017.

6.4.2 VOC Mass Removal

The operation of up to seven extraction wells in the OU#3/MA-A former off-Site plume area during at least part of 2018 resulted in removal of 2.8 pounds of VOC mass. For comparison, the amount of VOC mass removed by operation of the same seven wells for the entire portion of 2018 totaled 5.3 pounds. A calculation of the combined rate of TCE mass removal for the seven wells in 2017 and 2018 yields values of 0.16 and 0.07 pounds per month, respectively.

6.4.3 Reduction of TCE Concentrations in the Upper Aquifer

Plate 6-2 shows two isoconcentration contour maps comparing the distribution of TCE in the Upper Aquifer south of North Street prior to the startup of extraction operations at EN-284TD in June 2004 with the distribution of TCE in August 2018. The purpose of these comparative maps is to show the progress of groundwater remediation during the past 14 years. The area of TCE concentrations greater than 5 µg/L in the area south of North Street has been reduced by nearly 91 percent since 2004.

The concentration reductions in the portion of the Upper Aquifer shown on Plate 6-2 are attributable to: (1) operation of EN-284P to intercept flux crossing North Street, thereby preventing replenishment of the VOC mass in the plume; (2) operation of the Jefferson Avenue and trough extraction wells together with EN-284P to remove VOC mass that was present in this portion of the plume prior to the startup of EN-284TD; and (3) the concurrent operation of as many as seven injection wells from 2008 to 2017 to accelerate the flushing of TCE and other constituents of concern from the Upper Aquifer.

6.4.4 Change in Mass of TCE Dissolved in Groundwater, 2004 vs. 2018

The purpose of calculating the mass of TCE dissolved in groundwater in the Upper Aquifer south of North Street is to provide the Agencies (NYSDEC and NYSDOH) with confirmation that achievement of the stated goal of reducing the mass of TCE dissolved in groundwater within OSCZ-A (MA-A) and the Southern Area (OU#3) by 80% within 10 years has been maintained. As noted in Section 2.1, IBM met this objective in 2012 after only eight years of enhanced corrective action operations. A description of the methods used to calculate the mass of TCE dissolved in groundwater and documentation of the calculations made for 2004 and 2018 are provided in Appendix I.

The TCE mass totals calculated for June 2004 and August 2018 indicate a 98% reduction of TCE mass dissolved in groundwater from 89.5 pounds to 1.4 pounds over a period of 14 years and two months. Linking the groundwater volume in storage in August 2018 with the TCE mass dissolved in groundwater shows that the average concentration of TCE in groundwater within the plume in August 2018 was 1.6 µg/L. Therefore, in addition to a reduction of 98% in the dissolved TCE mass in groundwater since 2004, a reduction of 98% has been achieved for the average TCE concentration in the plume compared to the average concentration in 2004 (79.5 µg/L). The average TCE concentration in the plume increased slightly from 1.1 µg/L in 2017 to 1.6 µg/L in 2018.

6.5 Status of Plume Reduction in Operable Unit No. 4

In 2010, IBM successfully completed remediation of the PCE soil contamination at the former Ideal Cleaners property using *In-Situ* Thermal Desorption (ISTD) treatment. Following thermal treatment of the former PCE source area, the ethene series constituents remaining in OU#4 were limited to a narrow groundwater plume area. NYSDEC subsequently issued a ROD for OU#4 in November 2010 and selected "No Further Action" as a remedy, contingent on the continued operation of Upper Aquifer groundwater plume remediation systems (groundwater extraction and treatment systems) and vapor intrusion mitigation systems. Since the source removal by ISTD, groundwater concentrations and the extent of the narrow ethene-series plume in the Upper Aquifer in OU#4 have rapidly declined by natural attenuation processes. Due to the decline in the concentrations and lateral extent of the ethane series plume constituents, NYSDEC has approved the shutdown of the groundwater extraction systems that maintained containment of the former OU#4 plume area.

Time versus concentration graphs for ethene-series compounds in key OU#4 monitoring wells with analytical data through August 2018 (November 2018 for well EN-387A) are shown on Plate 6-3. Concentration trends in downgradient monitoring wells EN-80 and EN-381 indicate attainment of the NYSGQS (5 µg/L for PCE, TCE and c12-DCE, and 2 µg/L for VC) for all four ethene-series compounds. Concentration trends in downgradient monitoring well EN-394 indicate attainment of the NYSGQS for all ethene-series compounds except for VC, which slightly exceeded the NYSGQS in 2018. Concentration trends in source area wells EN-527 and EN-528 indicate attainment of the NYSGQS for all four ethene-series compounds except at EN-527 in May 2018, when c12-DCE only slightly exceeded the NYSGQS. Concentration trends at downgradient well EN-387A suggest that the time to achieve attainment of the NYSGQS for c12-DCE and VC may extend beyond the proposed ten-year monitoring period at that location.

6.6 Status of Remediation at Operable Unit No. 5

Remedial activities during 2018 within OU#5 consisted of continued groundwater extraction and treatment of groundwater from well EN-709 together with routine groundwater monitoring. Six years of groundwater monitoring have been performed since the September 2012 completion of an Interim Remedial Measure (IRM) involving *in-situ* thermal treatment (ISTT). Based on the success of the ISTT IRM, NYSDEC issued a ROD for OU#5 on March 30, 2016 and selected "No Further Action" as the remedy, contingent on continued operation of the interim remedial measures: hydraulic containment by pumping from well EN-709 supported by routine groundwater monitoring and vapor intrusion mitigation of nearby off-Site structures.

The ISTT IRM reduced VOC concentrations in soil and groundwater within the treatment zones by several orders of magnitude. Chlorofluorocarbons (CFCs) remain in bedrock below one of the treatment zones (the CFC Area) and are being captured by extraction well EN-709. As discussed in Section 5.2.1, isoconcentration maps for each chemical of concern in August 2018 at OU#5 are presented on Plate 5-10 with the apparent limits of hydraulic capture by extraction well EN-709 shown by a dashed orange line.

6.7 Status of Remediation in Operable Unit No. 6 (Bedrock Aquifer)

NYSDEC issued a ROD for Operable Unit No. 6 on March 26, 2009 and selected "No Further Action" as the remedy, contingent on continued operation and maintenance of bedrock extraction well EN-D49, and on monitoring of groundwater in the bedrock aquifer. Operation of bedrock extraction well EN-D49 continues to maintain hydraulic capture beyond the apparent limits of VOC presence in bedrock. The VOC mass extracted from the bedrock aquifer by extraction well EN-D49 in 2018 (23.5 pounds) was within the range of VOC mass extracted annually (22 to 29 pounds) since the first full year of extraction at EN-D49 in 2007. Since 2007, more than 80% of the total VOC mass removed by EN-D49 consists of c12-DCE and VC.

6.8 Status of Remediation at Operable Unit No. 7

Extraction well EN-154R and its predecessor EN-154 operated for roughly three decades, providing containment and removal of dissolved VOCs in Upper Aquifer groundwater within and near the OU#7 portion of the Site. In 2013, a hydrogeologic assessment and chemical concentration trend analysis of EN-154/154R groundwater extraction data and OU#7 groundwater monitoring data indicated that although the first two decades of extraction operations had resulted in significant decreases in VOC concentrations, the most recent decade of operations had not resulted in further meaningful decreases in VOC concentrations. The findings of that review supported the conclusion that continued groundwater extraction operations at EN-154R were unlikely to provide additional remedial progress beyond the natural attenuation processes that are occurring. Based on those findings, IBM proposed a shutdown test of extraction well EN-154R, combined with additional groundwater monitoring, to confirm that groundwater monitoring of natural attenuation processes would serve as an appropriate remedial alternative to address the remaining low concentrations of VOCs in the OU#7 Upper Aquifer groundwater. The shutdown test consisted of a program of groundwater monitoring before and after shutdown of groundwater withdrawals from EN-154R. The shutdown test was performed by GSC in accordance with a November 11, 2013 shutdown request letter from IBM to the NYSDEC, approved by the NYSDEC and the NYSDOH on December 31, 2013.

After more than three years of quarterly post-shutdown monitoring, a report presenting the findings of the shutdown test of extraction well EN-154R was submitted to the NYSDEC and NYSDOH on August 14, 2017. The report concluded that the pre- and post-shutdown test groundwater monitoring data confirmed the results of the 2013 hydrogeologic assessment and that a trend analysis inferred that terminating groundwater withdrawals from EN-154R would not result in meaningful impacts to Upper Aquifer groundwater downgradient from OU#7.

In light of these conclusions, GSC recommended the permanent shutdown of EN-154R and related treatment activities at the Robble Avenue GTF because it would have the greatest net benefit to the environment with the least direct, indirect and life-cycle impacts in addition to having no meaningful effects that would constitute a threat to public health and the environment. A Record of Decision describing NYSDEC's selected remedy of monitored natural attenuation for OU#7 was subsequently issued in March 2018. In July 2018, extraction wells EN-154R and EN-218 were decommissioned along with the Robble Avenue GTF.

6.9 Summary of VOC Mass Removed by Pumping Site-Wide in 2018

From January 1, 2018 through December 31, 2018, the groundwater extraction wells removed 2,232 pounds of VOCs from 167.7 MG of pumped groundwater. The monthly flows, together with chemical concentrations for each extraction well were used to calculate the mass of VOCs removed by pumping. The monthly VOC concentrations and calculated mass removed at each extraction well are tabulated in Appendix A.

Almost 97 percent of the total VOC mass removed, or 2,159 pounds, was recovered by as many as five Upper Aquifer extraction wells operating in the Railroad Corridor Source Area (OU#1). Outside of OU#1, the other three percent of the total VOC mass removed in 2018 came from other operable units and from OSCZ-A (MA-A). About 35 pounds of VOCs were recovered by extraction wells EN-276, EN-276R, and EN-284P in the North Street Area (OU#2) and about three pounds of VOCs were recovered from as many as seven Upper Aquifer extraction wells that operated in the OU#3/MA-A former off-Site plume area. Approximately 12 pounds were recovered from extraction well EN-709 in the Building 57 Area (OU#5) and bedrock extraction well EN-D49 (OU#6) recovered nearly 24 pounds of VOCs.

With regard to chemical speciation of the principal VOCs, 78 percent of the total VOC mass removed in 2018 consisted of 111-TCA and its daughter products 11-DCA, 11-DCE and CEA. TCE and its daughter products c12-DCE and vinyl chloride comprised 20 percent of the total VOC mass removed in 2018. PCE was 0.2 percent of the total VOC mass recovered in 2018 and 1.5 percent consisted of Freon 113 and Freon 123a.

7 REFERENCES

Groundwater Sciences, P.C. and Groundwater Sciences Corporation, *Focused Feasibility Study Report, Operable Unit No. 1: Railroad Corridor Source Area and Operable Unit No. 2: North Street Area*, December 27, 2018.

Groundwater Sciences, P.C. and Groundwater Sciences Corporation, *Combined Groundwater Report for 2017,* March 29, 2018

Groundwater Sciences, P.C. and Groundwater Sciences Corporation, *Interim Remedial Measures Final Report, Operable Unit No. 3: Plume Reduction in the Southern Area and Miscellaneous Site Activity A: Plume Reduction in Off-Site Capture Zone A,* November 10, 2017.

Groundwater Sciences Corporation, *Extraction Well EN-154R Shutdown Test Report, Operable Unit #7: Assessment of Sewers in Northwestern Area of the Site,* August 14, 2017.

Groundwater Sciences, P.C. and Groundwater Sciences Corporation, *Focused Feasibility Study Report for Operable Unit #4: Ideal Cleaners Area*, June 17, 2010.

Groundwater Sciences Corporation, *Annual Groundwater Monitoring Status Report for 2007,* April 14, 2008; Addendum dated August 19, 2008.

Groundwater Sciences, P.C., *Supplemental Groundwater Assessment Final Report,* December 31, 2003, revised and updated May 17, 2004.

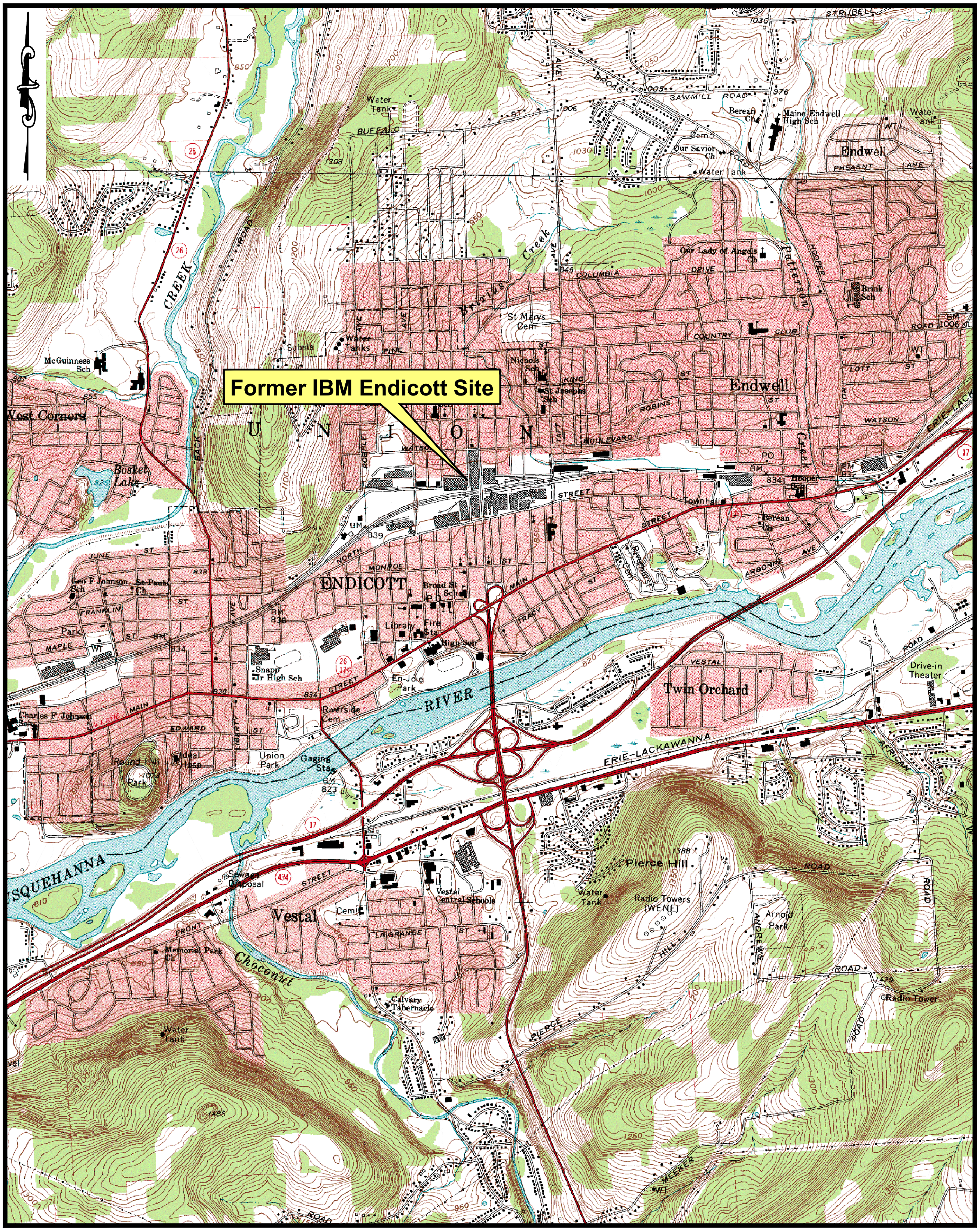
New York State Department of Environmental Conservation, *Record of Decision, Former IBM Endicott Facility, Operable Unit Number 07: Northwest Area, State Superfund Project, Endicott, Broome County, Site No. 704014,* March 30, 2018.

New York State Department of Environmental Conservation, *Record of Decision, Former IBM Endicott Facility, Operable Unit Number 05: Building 57 Area, State Superfund Project, Endicott, Broome County, Site No. 704014,* March 30, 2016.

New York State Department of Environmental Conservation, *Record of Decision, Former IBM Endicott Facility, Operable Unit Number 03: Southern Area and Off-Site Capture Zone A, State Superfund Project, Endicott, Broome County, Site No. 704014,* March 31, 2015.

New York State Department of Environmental Conservation, *Record of Decision, Former IBM Endicott Site, Operable Unit No. 4 - Former Ideal Cleaners, State Superfund Project, Village of Endicott, Broome County, New York, Site Number 704014*, November 2, 2010.

New York State Department of Environmental Conservation, *Record of Decision, Former IBM Endicott Site, Operable Unit No. 6 – Plume Control in Bedrock Groundwater, Endicott, Broome County, New York, Site Number 704014*, March 26, 2009.



Portion of the Endicott, NY and Maine, NY
7.5-minute USGS Quadrangles
(2000)

Scale
0 1500' 3000'

Figure 1-1

Former IBM Endicott Site
Site #704014

Site Location Map

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22007-008-H2 / 09-26-2014

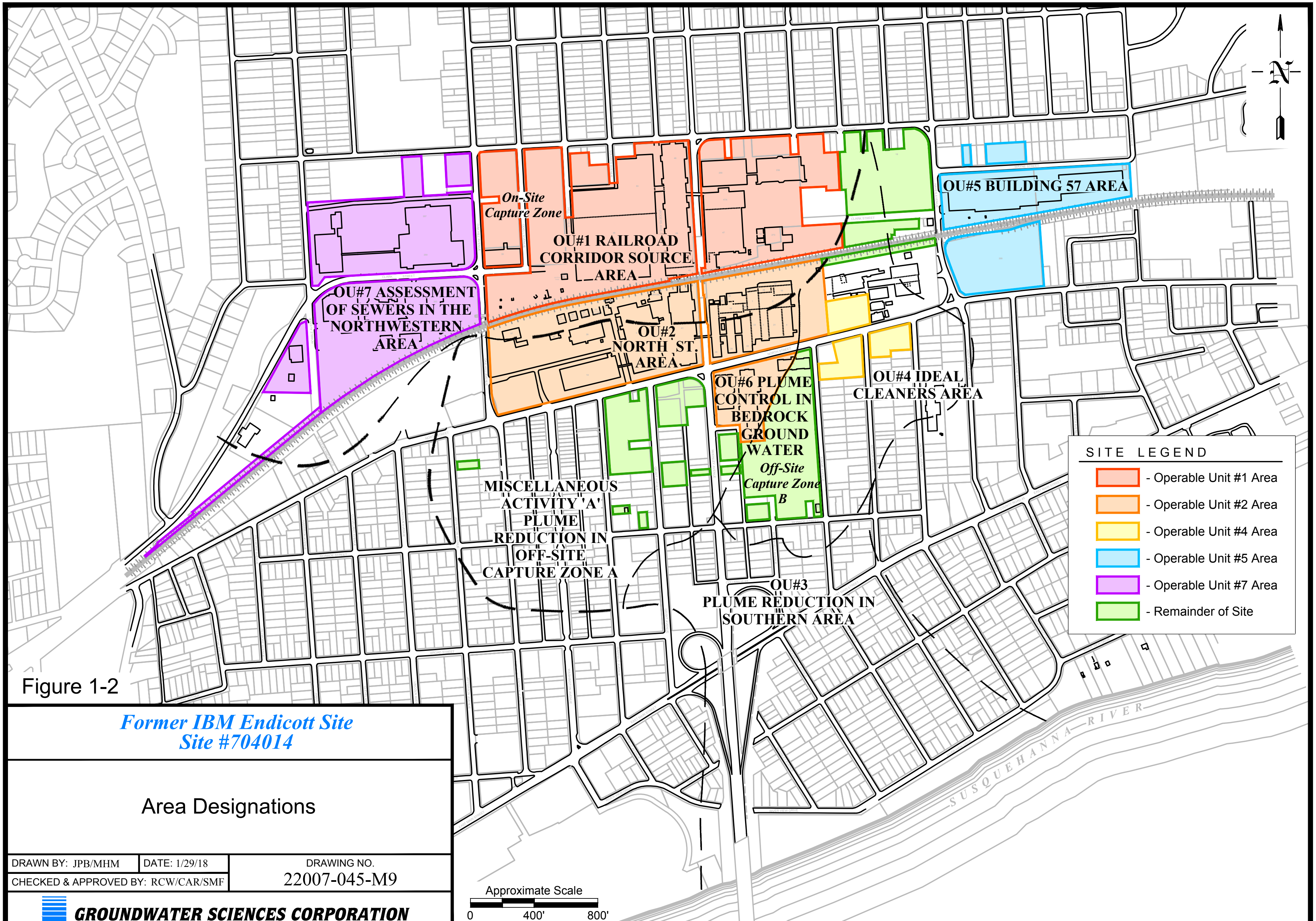

Figure 1-2

Former IBM Endicott Site
Site #704014

Area Designations

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CHECKED & APPROVED BY: RCW/CAR/SMF
DRAWING NO. 22007-045-M9

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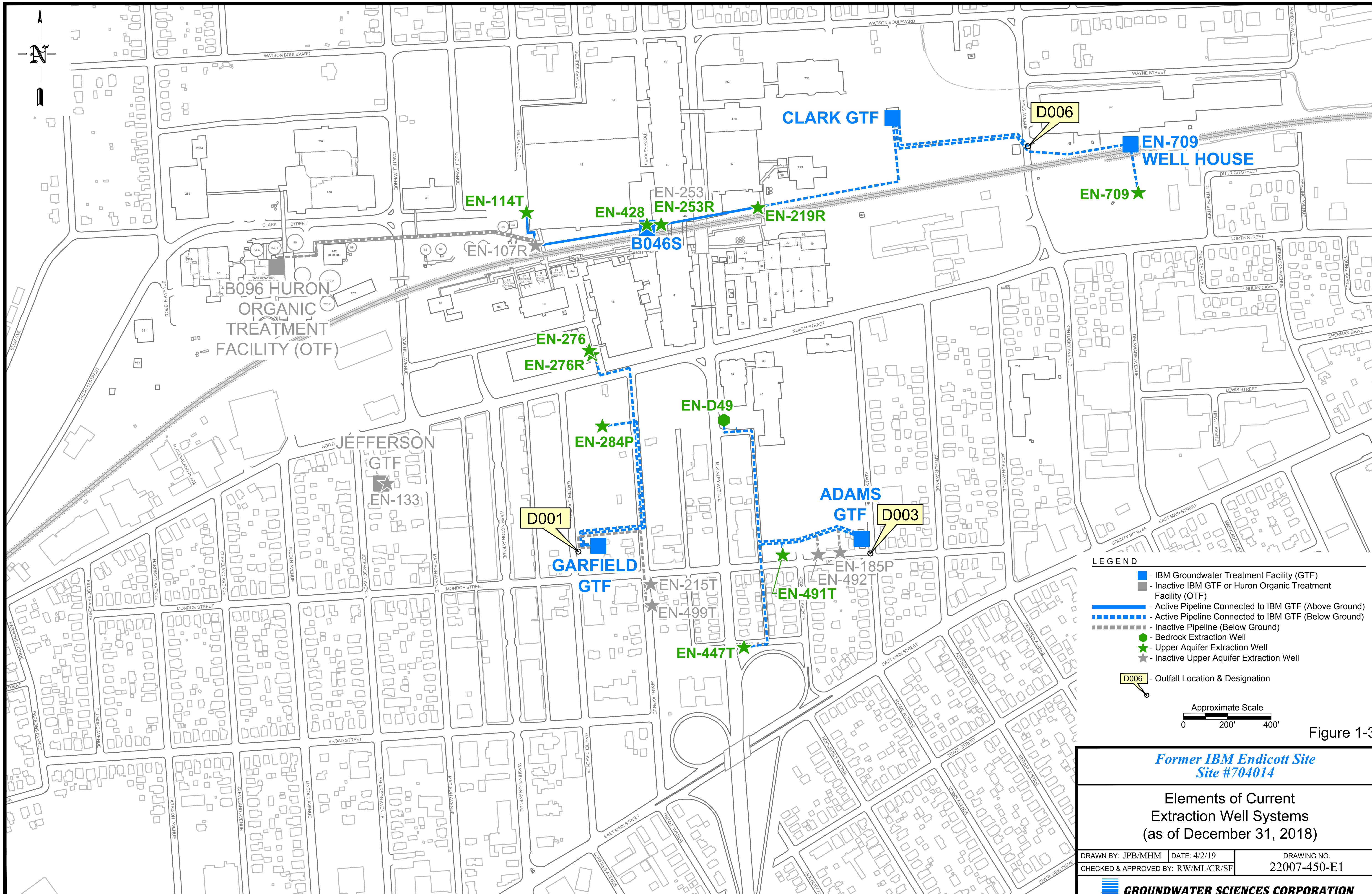


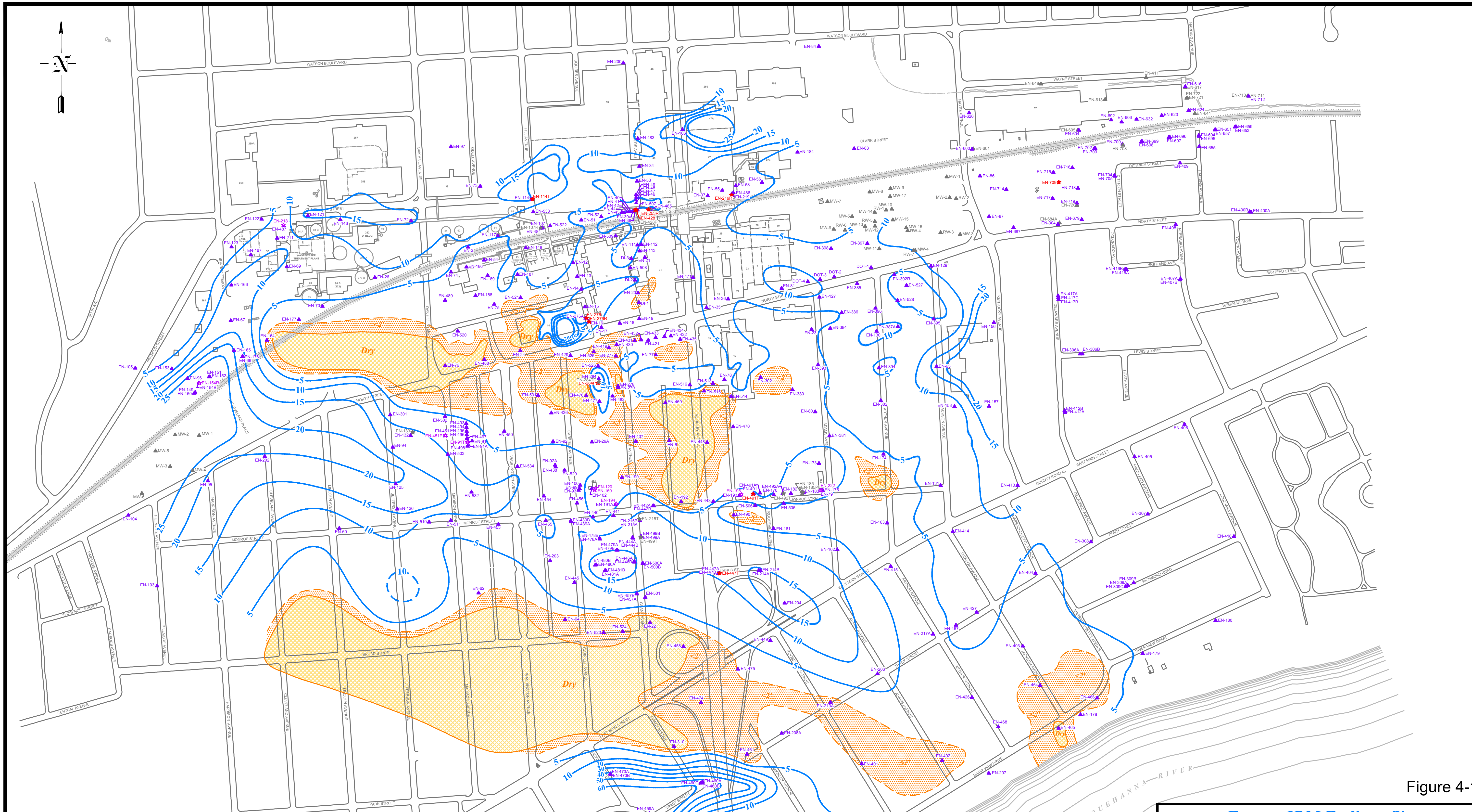
Figure 1-3

Former IBM Endicott Site
Site #704014

Elements of Current Extraction Well Systems (as of December 31, 2018)

DRAWN BY: JPB/MHM	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: RW/ML/CR/SF		22007-450-E1

GROUNDWATER SCIENCES CORPORATION



LEGEND

10 - Upper Aquifer Saturated Thickness (feet) (dashed where inferred)
- Upper Aquifer Monitoring Well
- Other Upper Aquifer Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
- Upper Aquifer Extraction Well (Decommissioned)
- Area of Unsaturated Soil in the Upper Aquifer
- Saturated Thickness Less Than 2'

Scale
0 250' 500'

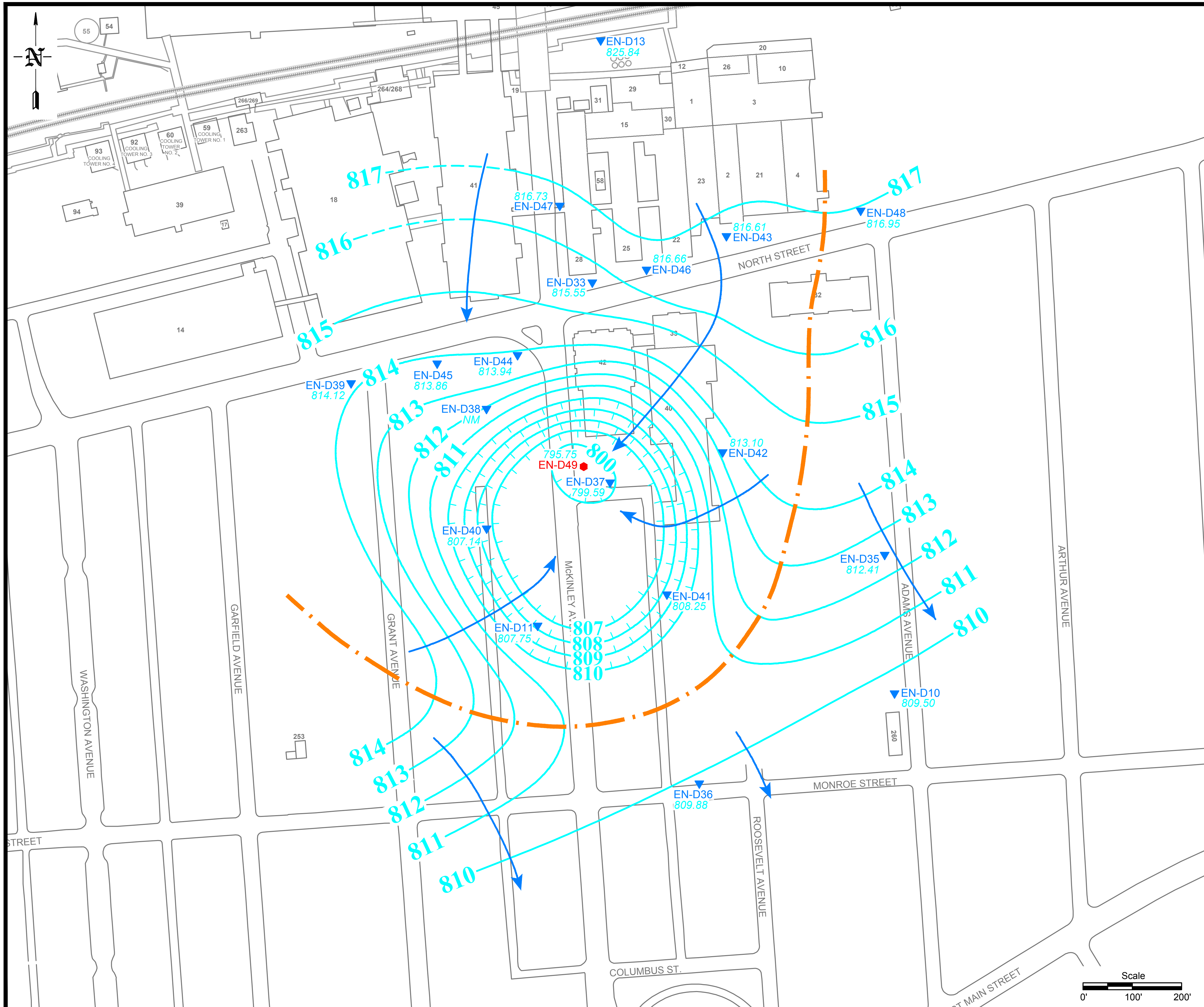
Figure 4-1

Former IBM Endicott Site
Site #704014

Upper Aquifer Saturated Thickness
Contour Map
August 28, 2018

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: SMF		22007-345-V2

GROUNDWATER SCIENCES CORPORATION



Note: Only groundwater elevation data for wells screened in the bedrock are shown on this map.

Figure 4-2

Former IBM Endicott Site
Site #704014

Groundwater Elevation Contour Map
Bedrock Potentiometric Surface
August 28, 2018

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO. 22007-378-S1
CHECKED & APPROVED BY: SMF		

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Plate 1-1

Former IBM Endicott Site
Site #704014

Well Location Map
(as of December 31, 2018)

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DRAWING NO. 22007-387-R1

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EN-284
Ice Block
Depression
WATSON BOULEVARD
WAYNE STREET
CLARK STREET
NORTH STREET
DITTRICH STREET
BARTEAU STREET
SHERMAN DRIVE
LEWIS STREET
MONROE STREET
BROAD STREET
FLORENCE STREET
CENTRAL AVENUE
PARK STREET
EAST MAIN STREET
RICHMOND ROAD
RIVER VIEW DRIVE
TRACY STREET
SUSQUEHANNA RIVER
Huron Well Field
MAP EXPLANATION
A Outwash sand and gravel, overlying lacustrine rhythmites, chiefly gray silt but interbedded with thin weak clay layers that are regularly spaced and may constitute about 5% of the thickness.
B Outwash sand and gravel, overlying lacustrine sediment described predominantly as fine or medium to fine sand to silty fine sand.
B2 Outwash sand and gravel, may grade down to a little fine sand or silt, overlying till.
B3 Outwash sand and gravel, overlying lacustrine sediment described predominantly as medium to fine sand or silty fine sand, in part interlayered with numerous very thin, commonly discontinuous layers of weak red clay. The clay layers apparently increase in thickness and/or abundance with depth. The sand may grade down into silt interbedded with weak red clay.
C Lacustrine unit generally absent in deepest part of an ice-block depression; outwash is downwarped and generally overlain by postglacial peat and/or organic-rich silt and fine sand.
D Postglacial alluvial silt with organic matter, commonly gravelly at the base, possibly deposited in a former meltwater channel.
E Organic-rich postglacial sediments overlie fine sand to silt that may also be postglacial or may be stratigraphic equivalents of the lacustrine deposits in A and B; deposited in ice-block depression.
F Valley wall; chiefly till or colluvium derived from till.
Prepared by Allan D. Randall, USGS Ret., edited by Groundwater Sciences Corp.
LEGEND
- Upper Aquifer Monitoring Well
- Other Monitoring Well
- Decommissioned Upper Aquifer Monitoring Well
- Other Decommissioned Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
- Decommissioned Extraction Well
- Inactive Upper Aquifer Injection Well
- Lower Aquifer Monitoring Well
- Ice Contact/Till Monitoring Well
- Decommissioned Ice Contact/Till Monitoring Well
- Bedrock Monitoring Well
- Decommissioned Bedrock Monitoring Well
- Bedrock Extraction Well
- Huron Supply Well
- Soil Boring
810 - Top of Silt Elevation Contour (feet amsl) (Dashed Where Inferred)
808.9 - Top of Silt Elevation (feet amsl)
Scale
0 100' 200'
Plate 2-1
Former IBM Endicott Site
Site #704014
Lacustrine Unit Top of Silt Contours and Lithologic Variation
DRAWN BY: JPB/MHM
DATE: 4/3/19
CHECKED & APPROVED BY: SMF/RCW
DRAWING NO. 22007-317-O1
GROUNDWATER SCIENCES CORPORATION

Plate 4-1

Former IBM Endicott Site
Site #704014

Groundwater Elevation Contour Map
Upper Aquifer Water Table
August 28, 2018

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CHECKED & APPROVED BY: SMF/RCW | 22007-448-D1

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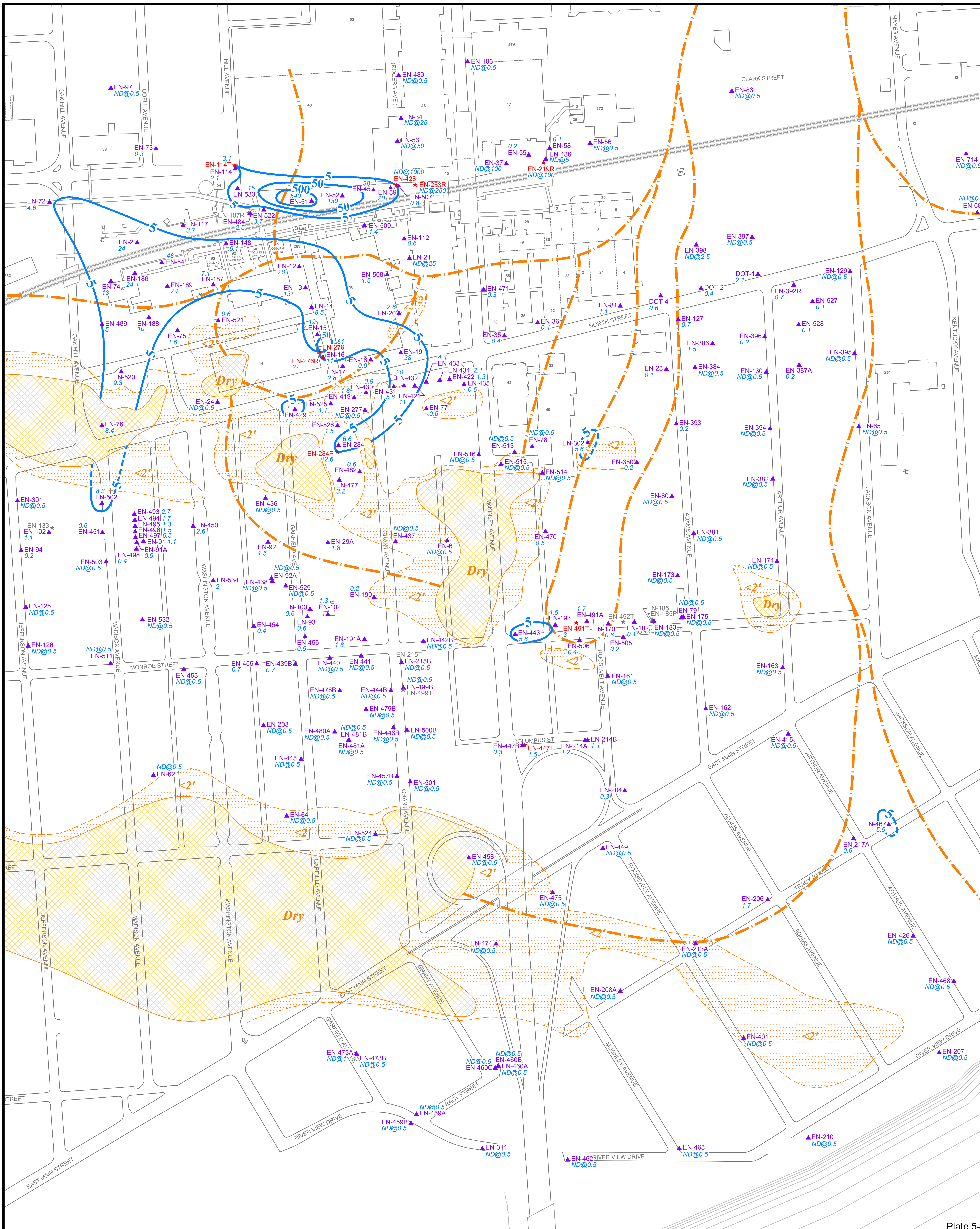


LEGEND

PCE - Tetrachloroethene

5 - PCE Isoconcentration Contour (µg/l; dashed where inferred)

5 - PCE Concentration (µg/l)

ND - Not Detected (various detection limits)

Groundwater Flow Divide

Upper Aquifer Monitoring Well

Upper Aquifer Extraction Well

Inactive Upper Aquifer Extraction Well

Area of Unsaturated Soil in the Upper Aquifer

Saturated Thickness Less Than 2'

N

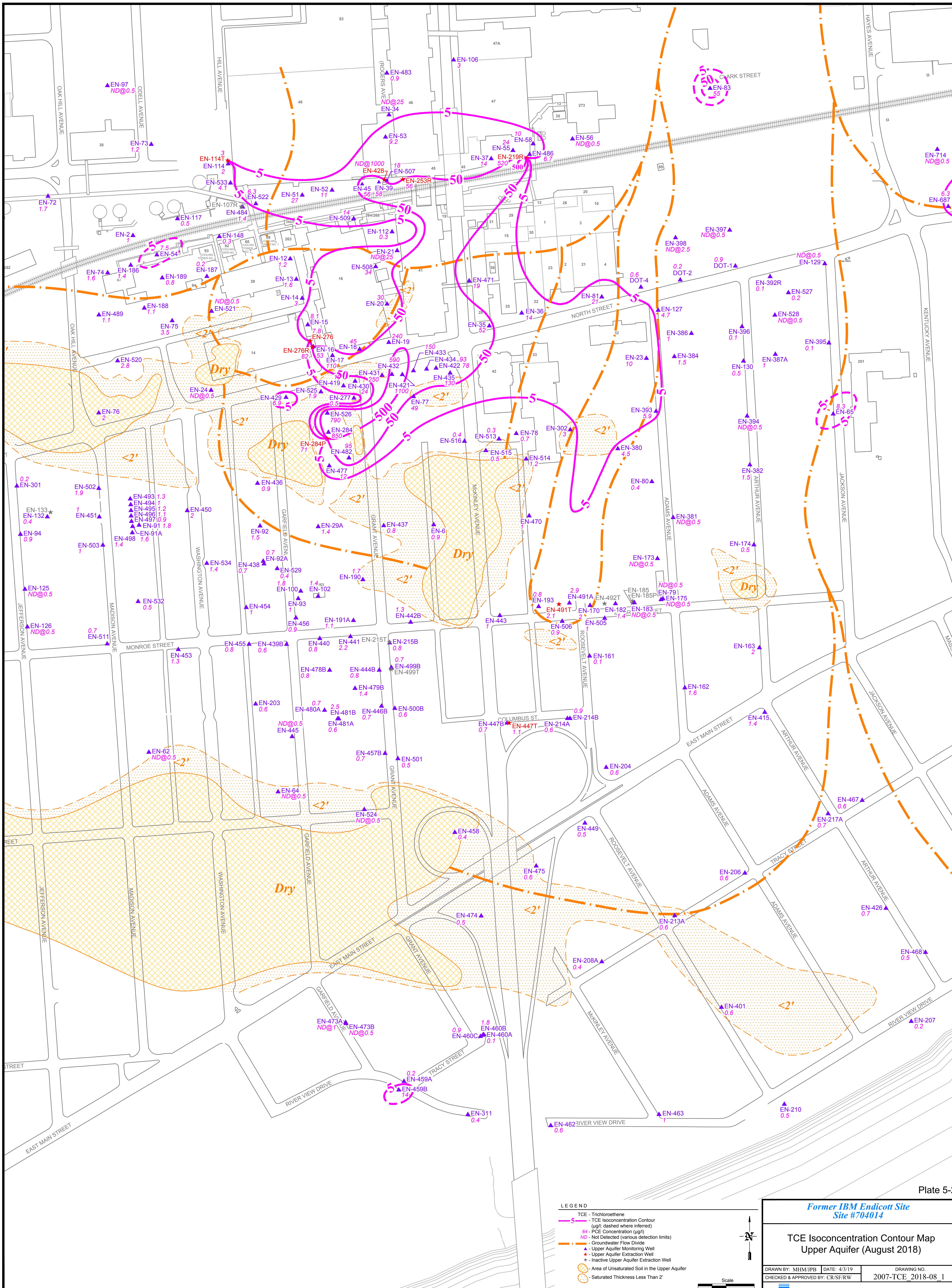
Scale 0 100' 200'

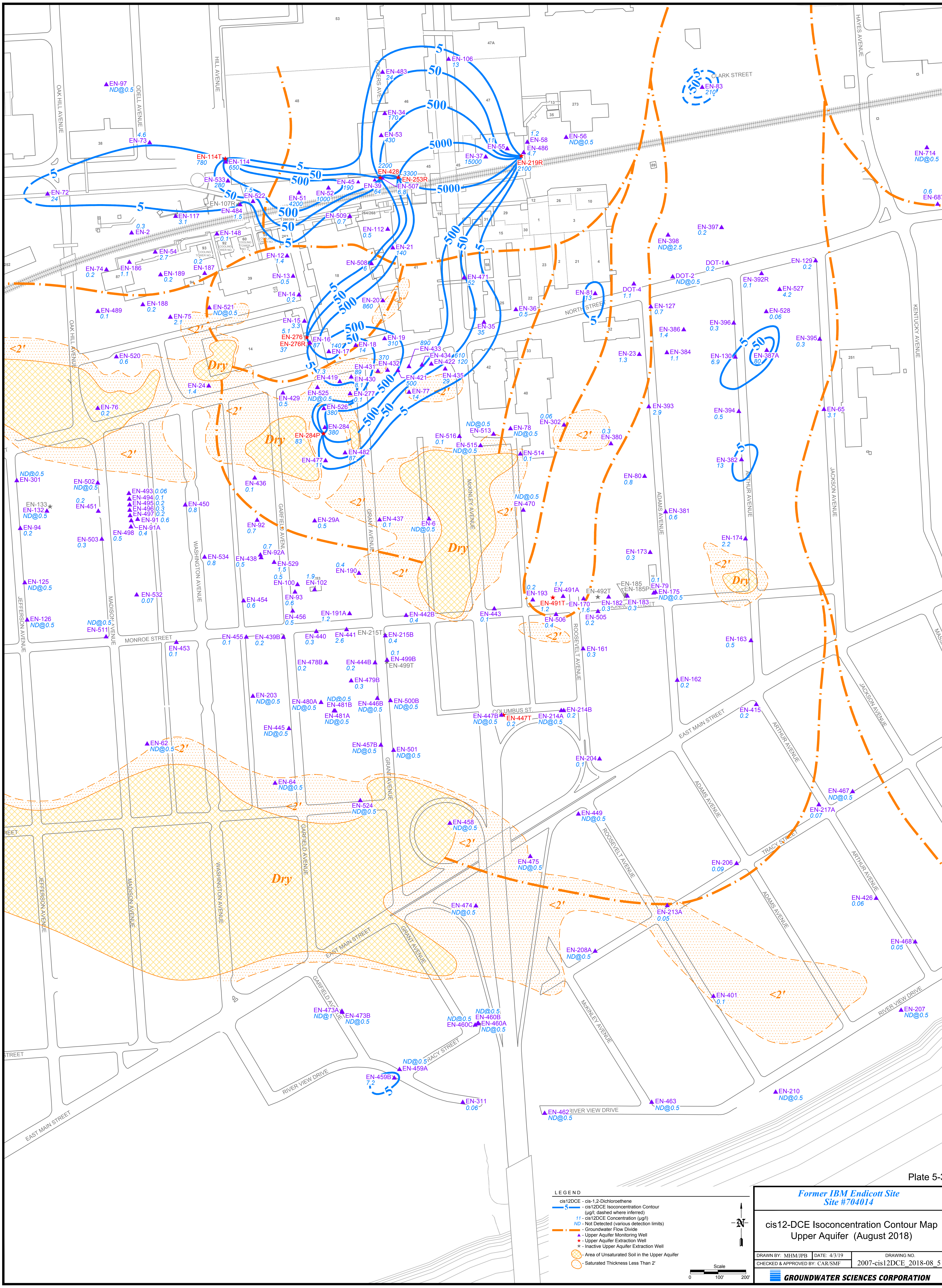
Former IBM Endicott Site
Site #704014

PCE Isoconcentration Contour Map
Upper Aquifer (August 2018)

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: CAR/RCW		2007-PCE_2018-08_7

GROUNDWATER SCIENCES CORPORATION


LEGEND
TCE - Trichloroethene
5 - TCE Isoconcentration Contour (µg/l; dashed where inferred)
64 - PCE Concentration (µg/l)
ND - Not Detected (various detection limits)
- Groundwater Flow Divide
- Upper Aquifer Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
- Area of Unsaturated Soil in the Upper Aquifer
- Saturated Thickness Less Than 2'
Scale
0 100' 200'
Former IBM Endicott Site
Site #704014
TCE Isoconcentration Contour Map
Upper Aquifer (August 2018)
DRAWN BY: MHM/JPB
DATE: 4/3/19
DRAWING NO.
2007-TCE_2018-08_1
CHECKED & APPROVED BY: CR/SF/RW
GROUNDWATER SCIENCES CORPORATION
NORTH STREET
MONROE STREET
EAST MAIN STREET
RIVER VIEW DRIVE
CLARK STREET
Dry
<2'
Plate 5-2



OAK HILL AVENUE
ODELL AVENUE
HILL AVENUE
ROGERS AVENUE
HAYES AVENUE
CLARK STREET
NORTH STREET
KENTUCKY AVENUE
JACKSON AVENUE
ARTHUR AVENUE
ADAMS AVENUE
McKINLEY AVENUE
GRANT AVENUE
GARFIELD AVENUE
WASHINGTON AVENUE
MADISON AVENUE
JEFFERSON AVENUE
MONROE STREET
ROOSEVELT AVENUE
COLUMBUS ST
EAST MAIN STREET
TRACY STREET
RIVER VIEW DRIVE
Dry
<2'
Plate 5-3
LEGEND
cis12DCE - cis-1,2-Dichloroethene
5 - cis12DCE Isoconcentration Contour (µg/l; dashed where inferred)
11 - cis12DCE Concentration (µg/l)
ND - Not Detected (various detection limits)
- Groundwater Flow Divide
- Upper Aquifer Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
- Area of Unsaturated Soil in the Upper Aquifer
- Saturated Thickness Less Than 2'
N
Scale
0 100' 200'
Former IBM Endicott Site
Site #704014
cis12-DCE Isoconcentration Contour Map
Upper Aquifer (August 2018)
DRAWN BY: MHM/JPB
DATE: 4/3/19
DRAWING NO.
2007-cis12DCE_2018-08_5
CHECKED & APPROVED BY: CAR/SMF
GROUNDWATER SCIENCES CORPORATION

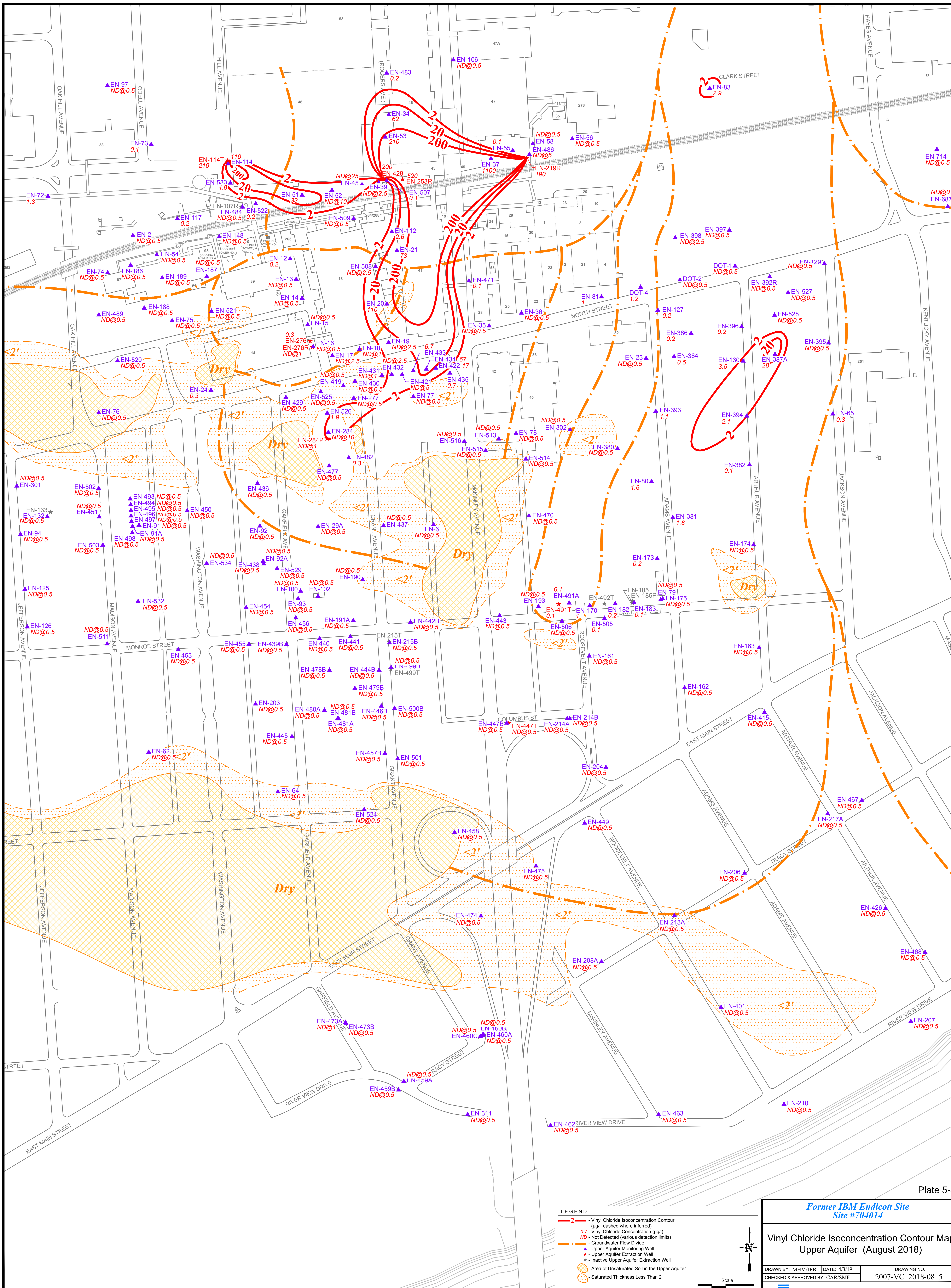


Plate 5-4
Former IBM Endicott Site
Site #704014
Vinyl Chloride Isoconcentration Contour Map
Upper Aquifer (August 2018)
DRAWN BY: MHM/JPB
DATE: 4/3/19
CHECKED & APPROVED BY: CAR/SMF
DRAWING NO.
2007-VC_2018-08_5
GROUNDWATER SCIENCES CORPORATION
LEGEND
2 - Vinyl Chloride Isoconcentration Contour (µg/l; dashed where inferred)
0.7 - Vinyl Chloride Concentration (µg/l)
ND - Not Detected (various detection limits)
- Groundwater Flow Divide
- Upper Aquifer Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
Area of Unsaturated Soil in the Upper Aquifer
Saturated Thickness Less Than 2'
Scale
0
100'
200'
N
CLARK STREET
NORTH STREET
MONROE STREET
COLUMBUS ST
EAST MAIN STREET
RIVER VIEW DRIVE
TRACY STREET
HILL AVENUE
OAK HILL AVENUE
ODELL AVENUE
JEFFERSON AVENUE
MADISON AVENUE
WASHINGTON AVENUE
GARFIELD AVENUE
GRANT AVENUE
McKINLEY AVENUE
ROOSEVELT AVENUE
ADAMS AVENUE
ARTHUR AVENUE
JACKSON AVENUE
KENTUCKY AVENUE
HAYES AVENUE
Dry
<2'

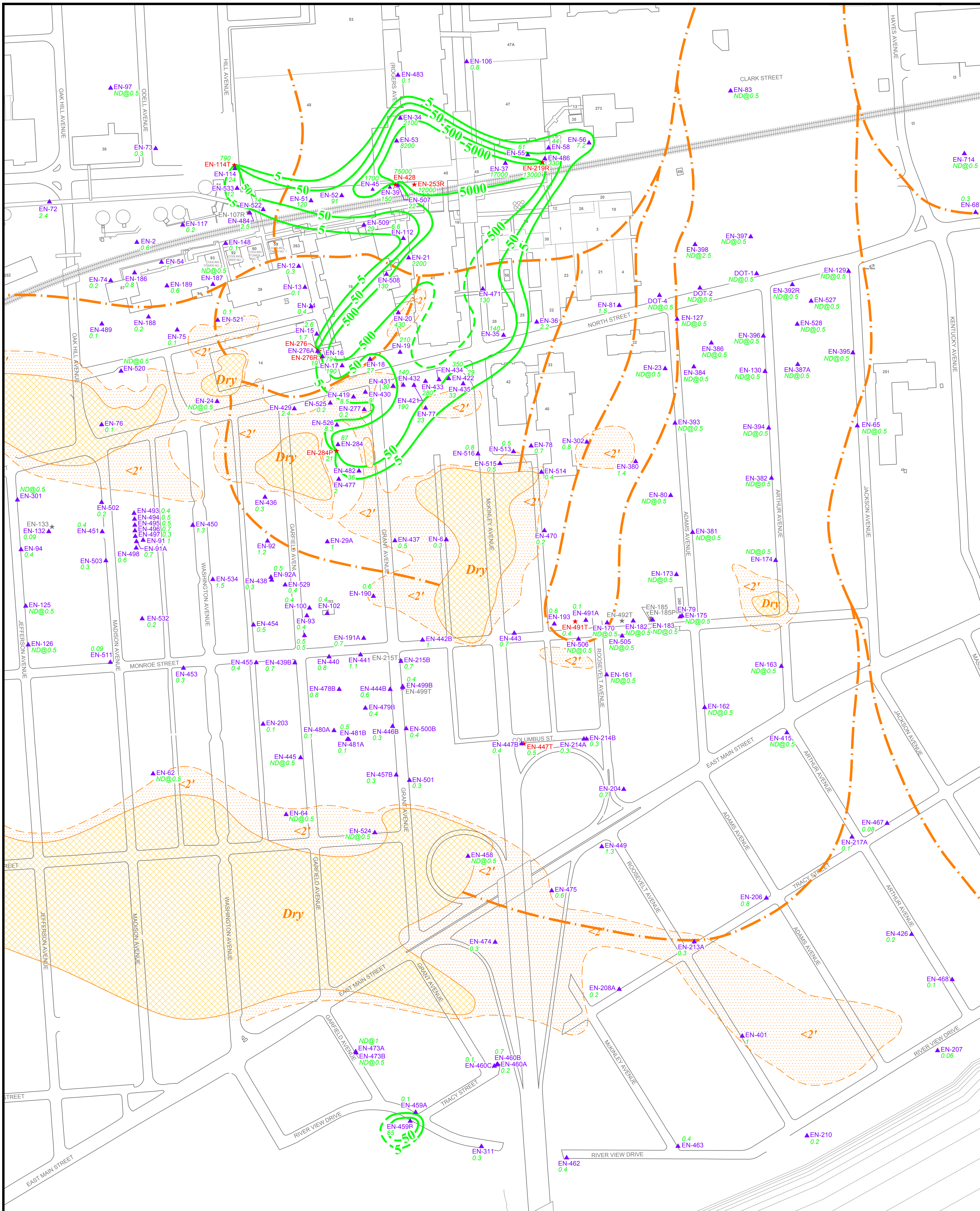


Plate 5-5

LEGEND

111TCA - 1,1,1-Trichloroethane

5 - 111TCA Isoconcentration Contour (µg/l; dashed where inferred)

23 - 111TCA Concentration (µg/l)

ND - Not Detected (various detection limits)

- Groundwater Flow Divide

- Upper Aquifer Monitoring Well

- Upper Aquifer Extraction Well

- Inactive Upper Aquifer Extraction Well

- Area of Unsaturated Soil in the Upper Aquifer

- Saturated Thickness Less Than 2'

N

Scale

0 100' 200'

Former IBM Endicott Site
Site #704014

111-TCA Isoconcentration Contour Map
Upper Aquifer (August 2018)

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: CR/SF/RW		2007-111TCA_2018-08_7

GROUNDWATER SCIENCES CORPORATION

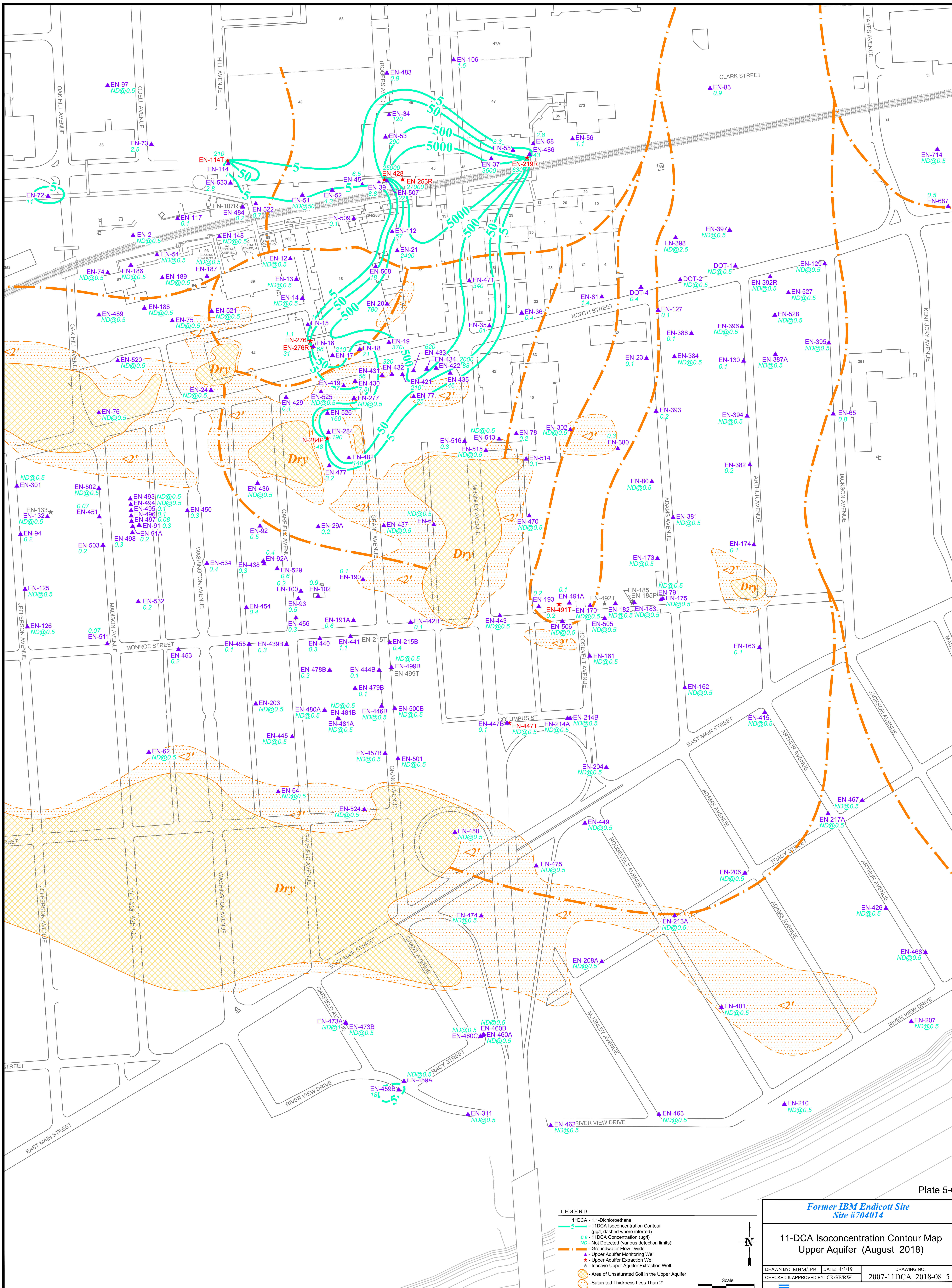


Plate 5-6
Former IBM Endicott Site
Site #704014
11-DCA Isoconcentration Contour Map
Upper Aquifer (August 2018)
DRAWN BY: MHM/JPB
DATE: 4/3/19
CHECKED & APPROVED BY: CR/SF/RW
DRAWING NO.
2007-11DCA_2018-08_5
GROUNDWATER SCIENCES CORPORATION
LEGEND
11DCA - 1,1-Dichloroethane
5 - 11DCA Isoconcentration Contour (µg/l; dashed where inferred)
0.8 - 11DCA Concentration (µg/l)
ND - Not Detected (various detection limits)
- Groundwater Flow Divide
- Upper Aquifer Monitoring Well
- Upper Aquifer Extraction Well
- Inactive Upper Aquifer Extraction Well
- Area of Unsaturated Soil in the Upper Aquifer
- Saturated Thickness Less Than 2'
Scale
0 100' 200'
N
CLARK STREET
NORTH STREET
MONROE STREET
EAST MAIN STREET
COLUMBUS ST
TRACY STREET
RIVER VIEW DRIVE
OAK HILL AVENUE
ODELL AVENUE
HILL AVENUE
(ROGERS AVE.)
HAYES AVENUE
KENTUCKY AVENUE
JACKSON AVENUE
ARTHUR AVENUE
ADAMS AVENUE
McKINLEY AVENUE
ROOSEVELT AVENUE
GRANT AVENUE
GARFIELD AVENUE
WASHINGTON AVENUE
MADISON AVENUE
JEFFERSON AVENUE
Dry
<2'

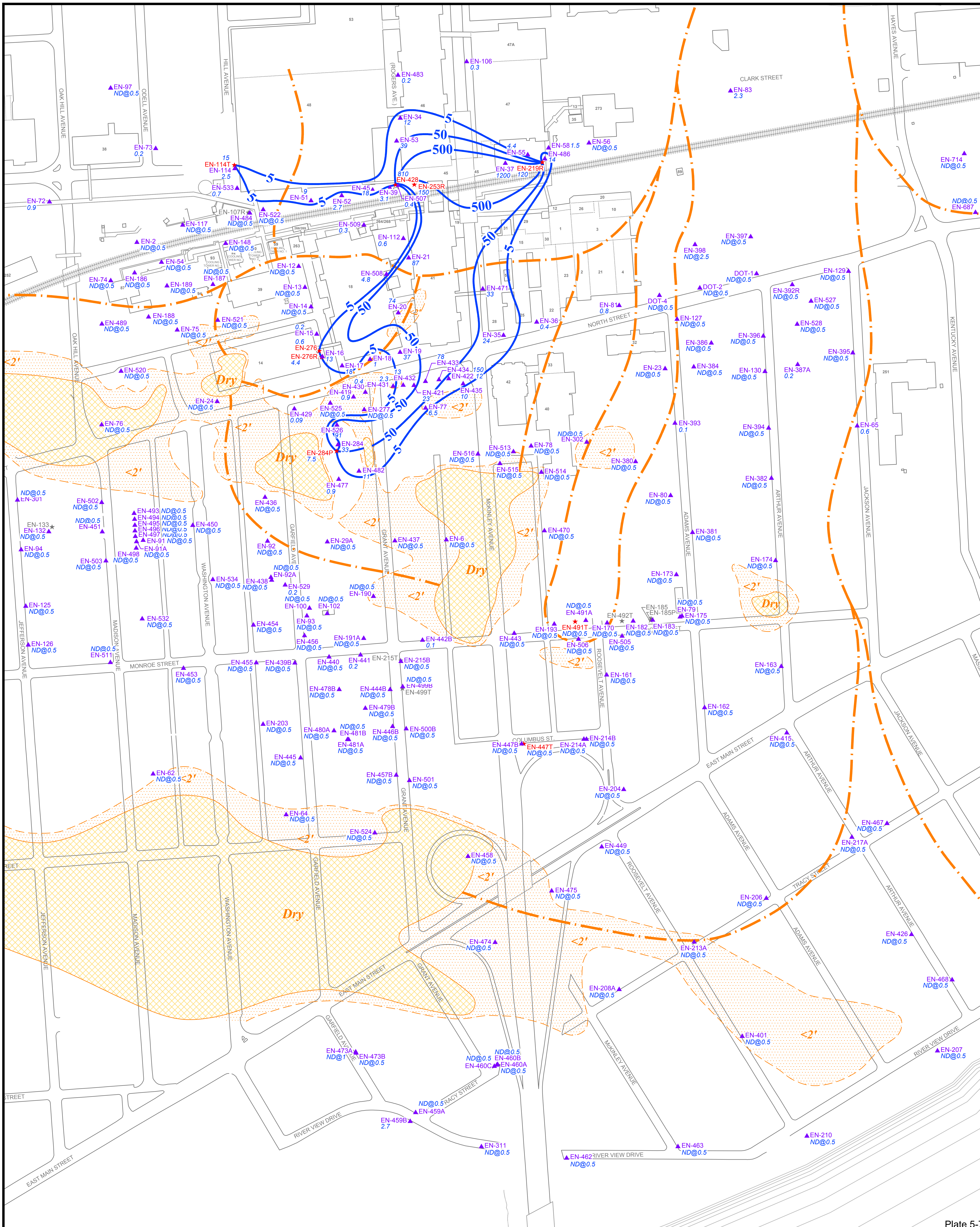


Plate 5-7

LEGEND

11DCE - 1,1-Dichloroethene

5 - 11DCE Isoconcentration Contour (µg/l; dashed where inferred)

26 - 11DCE Concentration (µg/l)

ND - Not Detected (various detection limits)

- Groundwater Flow Divide

- Upper Aquifer Monitoring Well

- Upper Aquifer Extraction Well

- Inactive Upper Aquifer Extraction Well

- Area of Unsaturated Soil in the Upper Aquifer

- Saturated Thickness Less Than 2'

N

Scale 0 100' 200'

Former IBM Endicott Site
Site #704014

11-DCE Isoconcentration Contour Map
Upper Aquifer (August 2018)

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CHECKED & APPROVED BY: CR/SF/RW		2007-11DCE_2018-08_5

GROUNDWATER SCIENCES CORPORATION

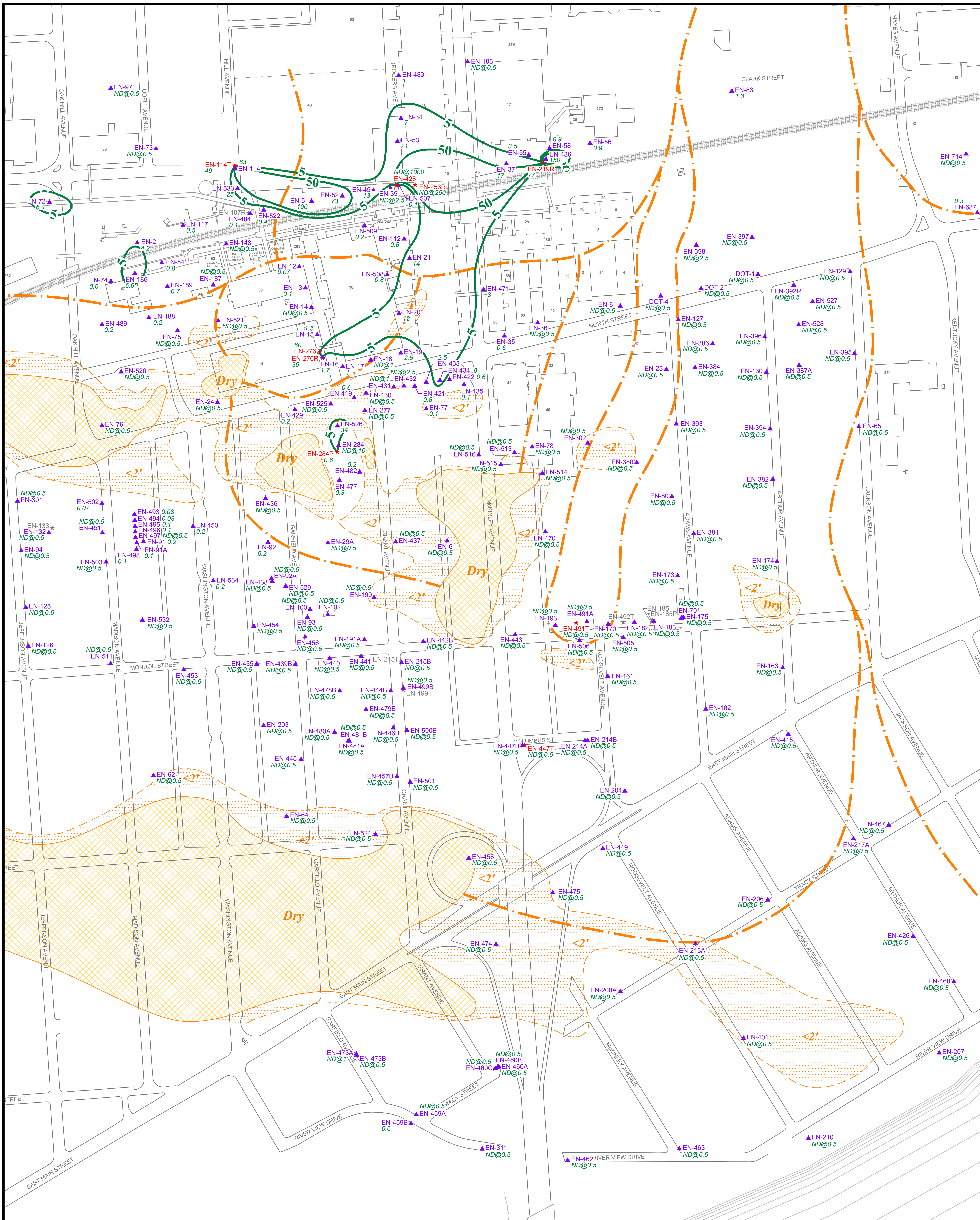


Plate 5-8

LEGEND

Freon113 - 1,1,2-Trichloro-1,2,2-Trifluoroethane

5 - Freon113 Isoconcentration Contour (µg/l; dashed where inferred)

0.8 - Freon113 Concentration (µg/l)

ND - Not Detected (various detection limits)

- Groundwater Flow Divide

- Upper Aquifer Monitoring Well

- Upper Aquifer Extraction Well

- Inactive Upper Aquifer Extraction Well

- Area of Unsaturated Soil in the Upper Aquifer

- Saturated Thickness Less Than 2'

N

Scale 0 100' 200'

Former IBM Endicott Site
Site #704014

Freon 113 Isoconcentration Contour Map
Upper Aquifer (August 2018)

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO. 2007-FR113_2018-08_5
CHECKED & APPROVED BY: SMF/RCW		

GROUNDWATER SCIENCES CORPORATION

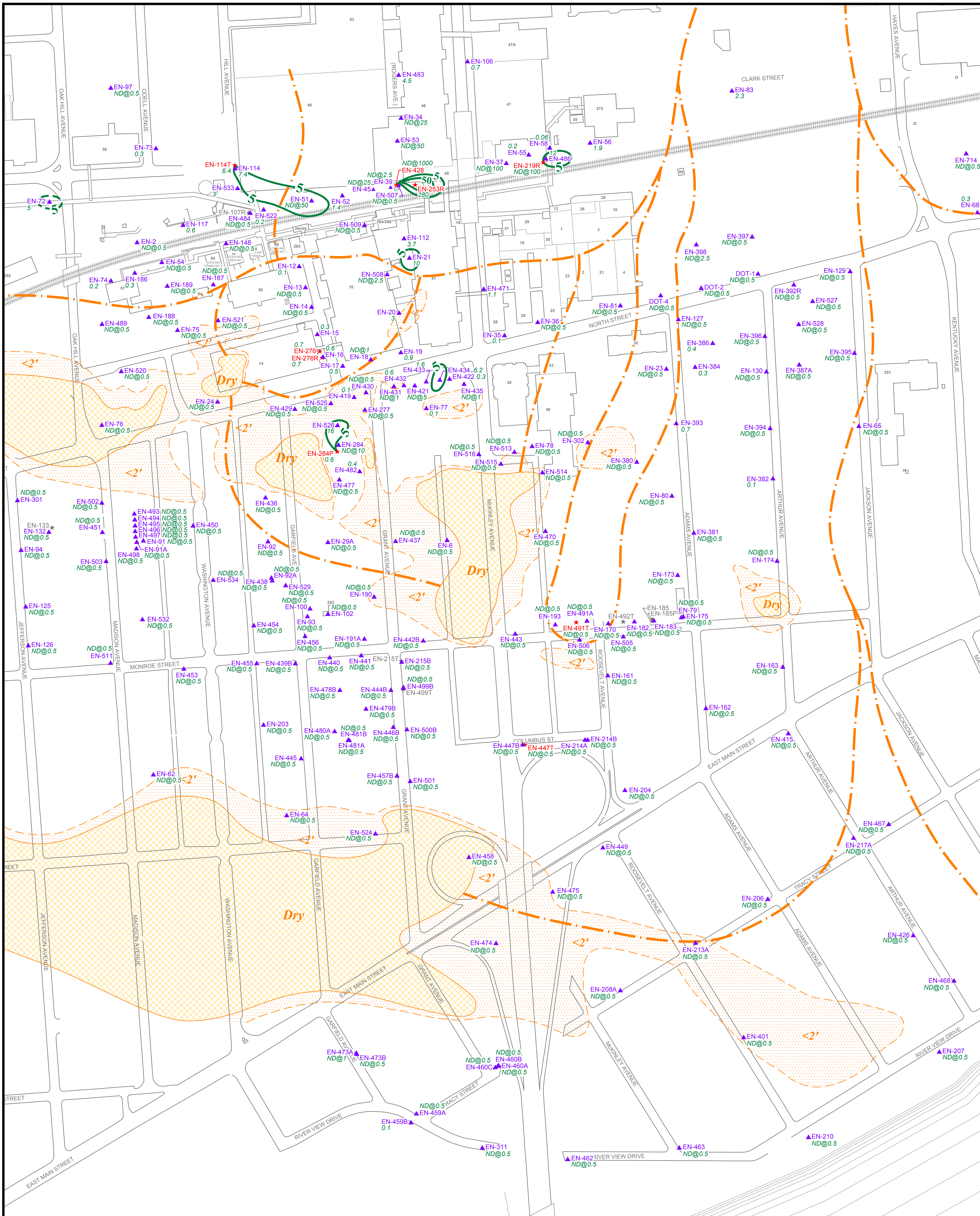


Plate 5-9

LEGEND

Freon123a - 1,2-Dichloro-1,2,2-Trifluoroethane
5 - Freon123a Isoconcentration Contour (µg/l; dashed where inferred)
18 - Freon123a Concentration (µg/l)
ND - Not Detected (various detection limits)
- Groundwater Flow Divide
▲ - Upper Aquifer Monitoring Well
★ - Upper Aquifer Extraction Well
★ - Inactive Upper Aquifer Extraction Well
- Area of Unsaturated Soil in the Upper Aquifer
- Saturated Thickness Less Than 2'

N

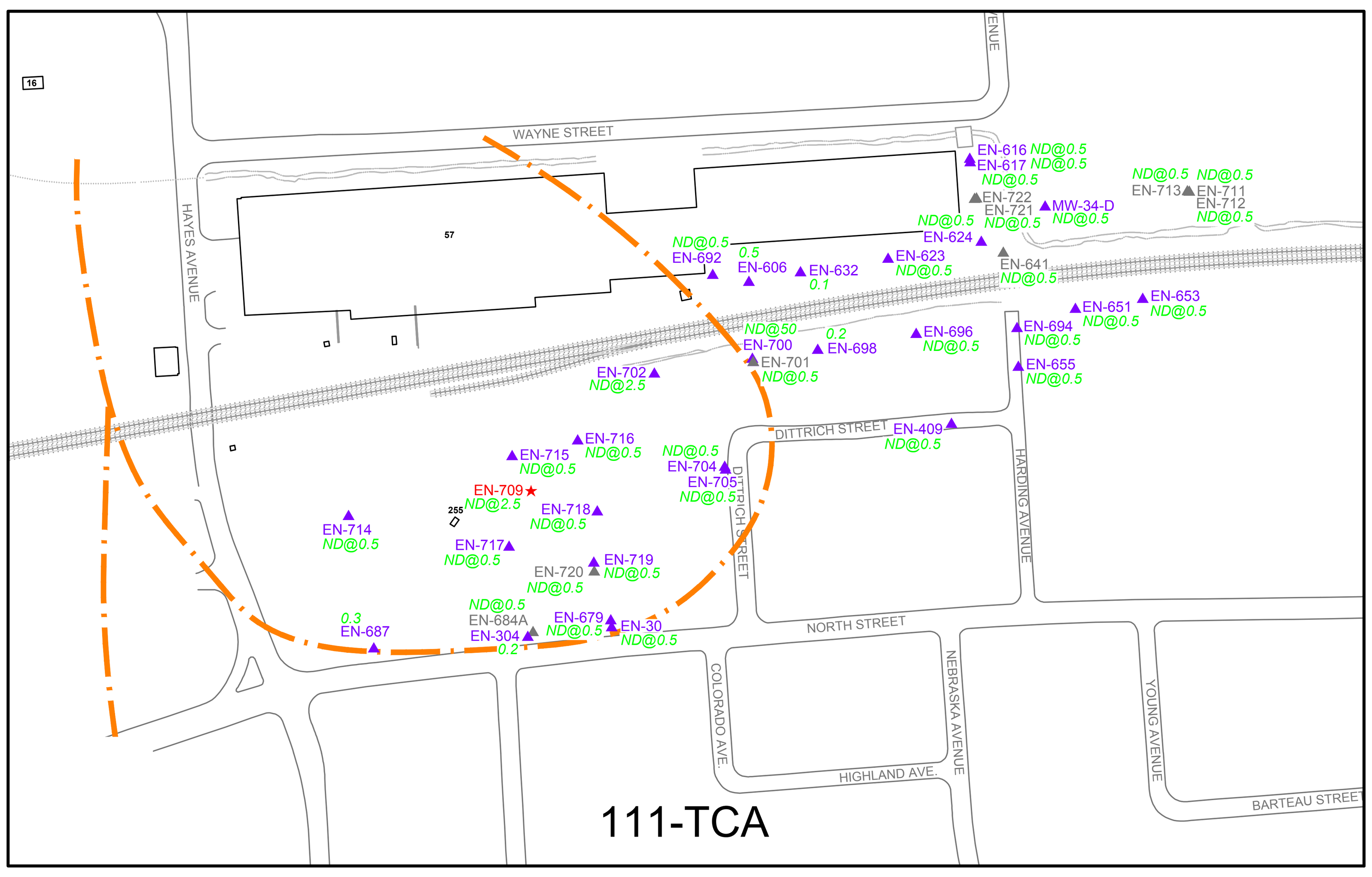
Scale
0 100' 200'

Former IBM Endicott Site
Site #704014

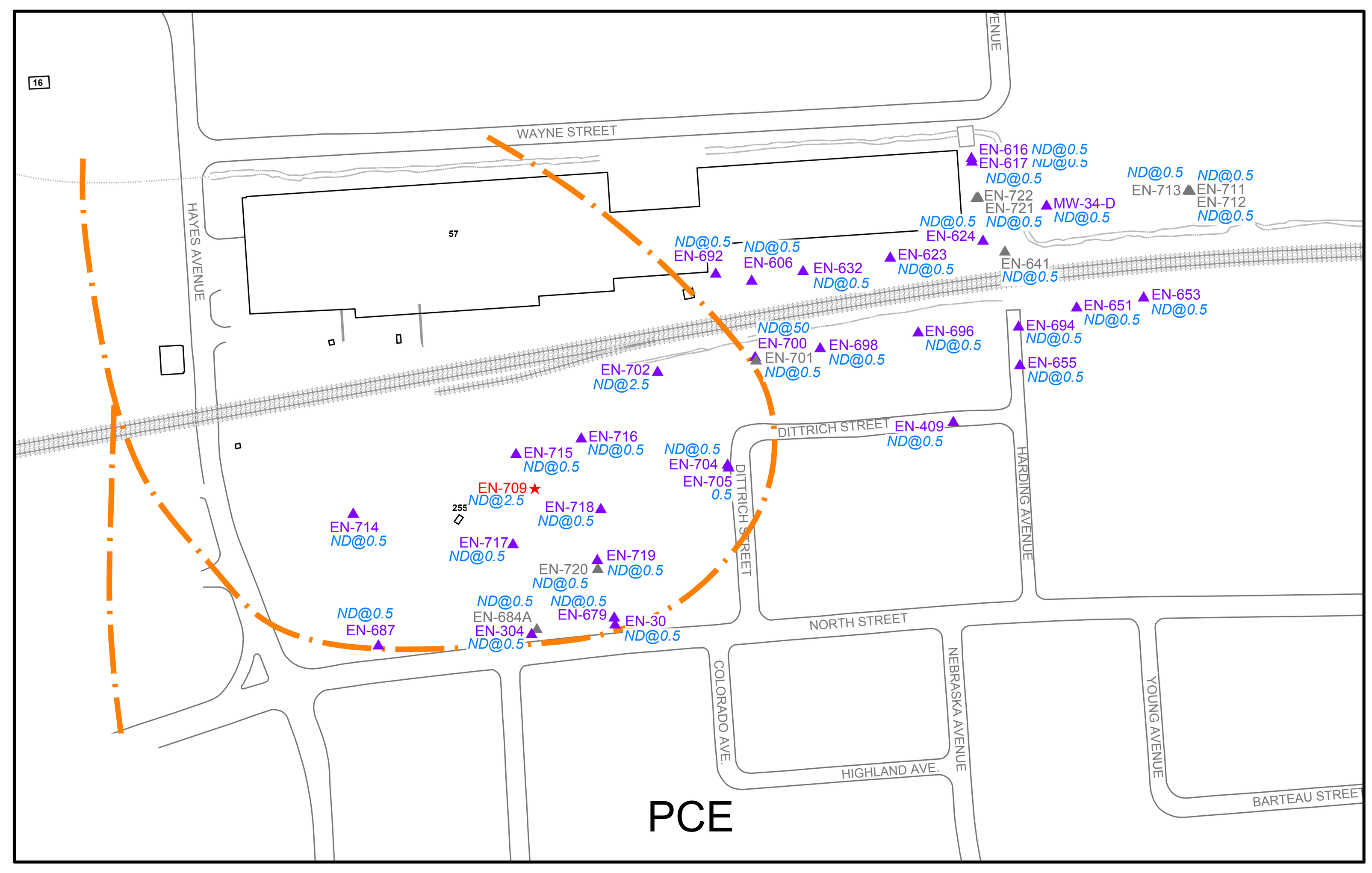
Freon 123a Isoconcentration Contour Map
Upper Aquifer (August 2018)

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: CR/SF/RW		2007-FR123a_2018-08_5

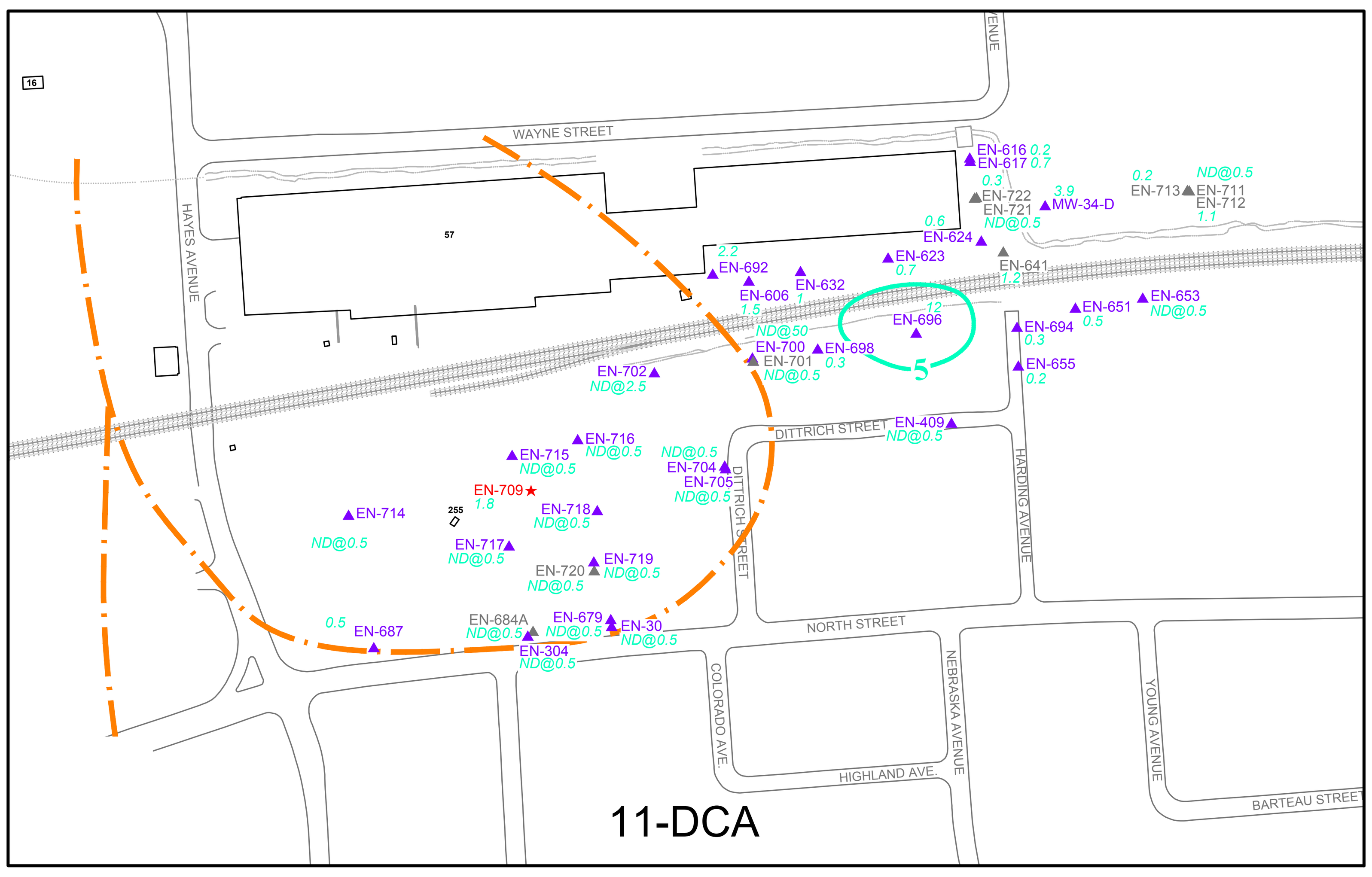
GROUNDWATER SCIENCES CORPORATION



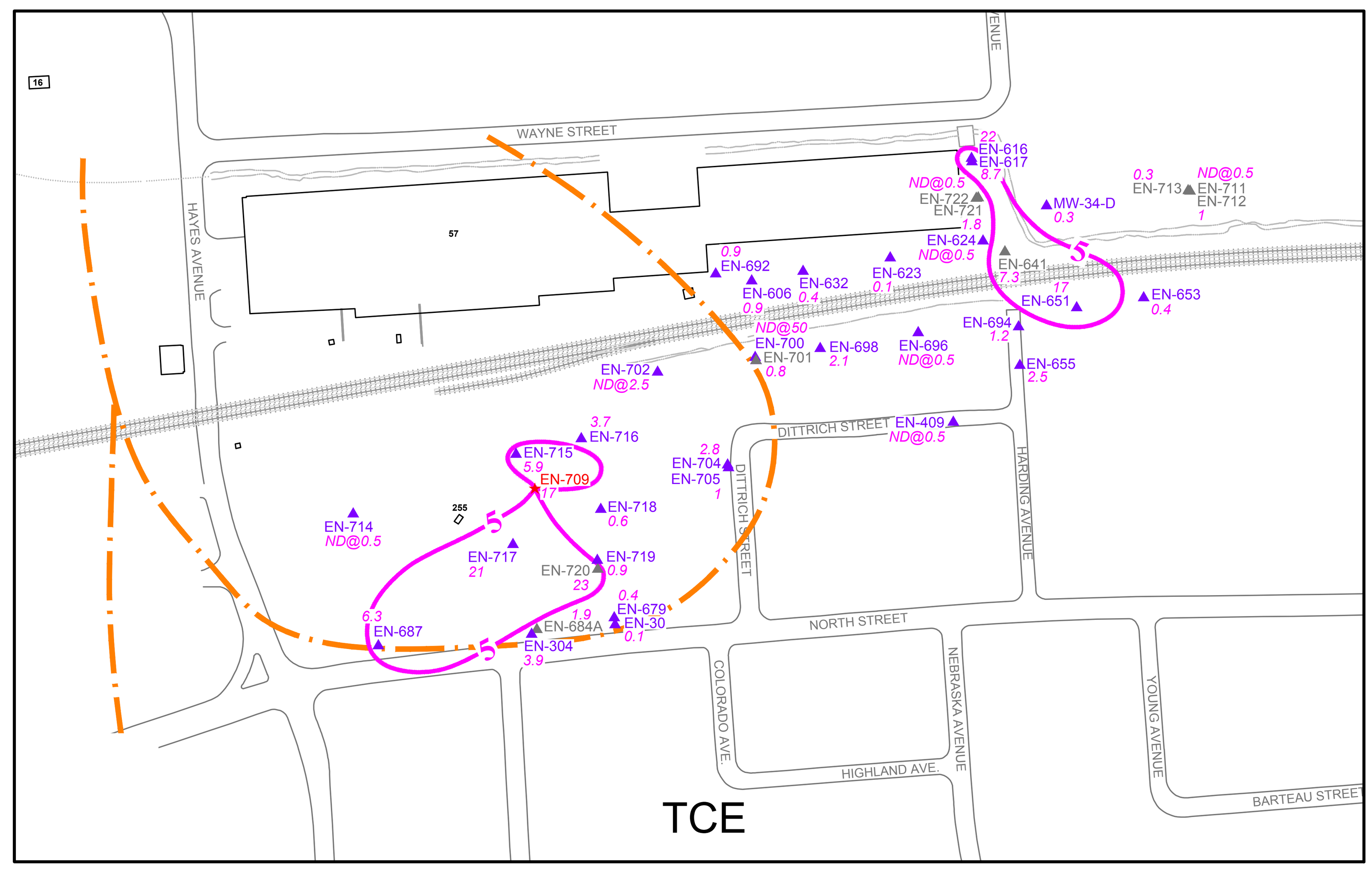
111-TCA



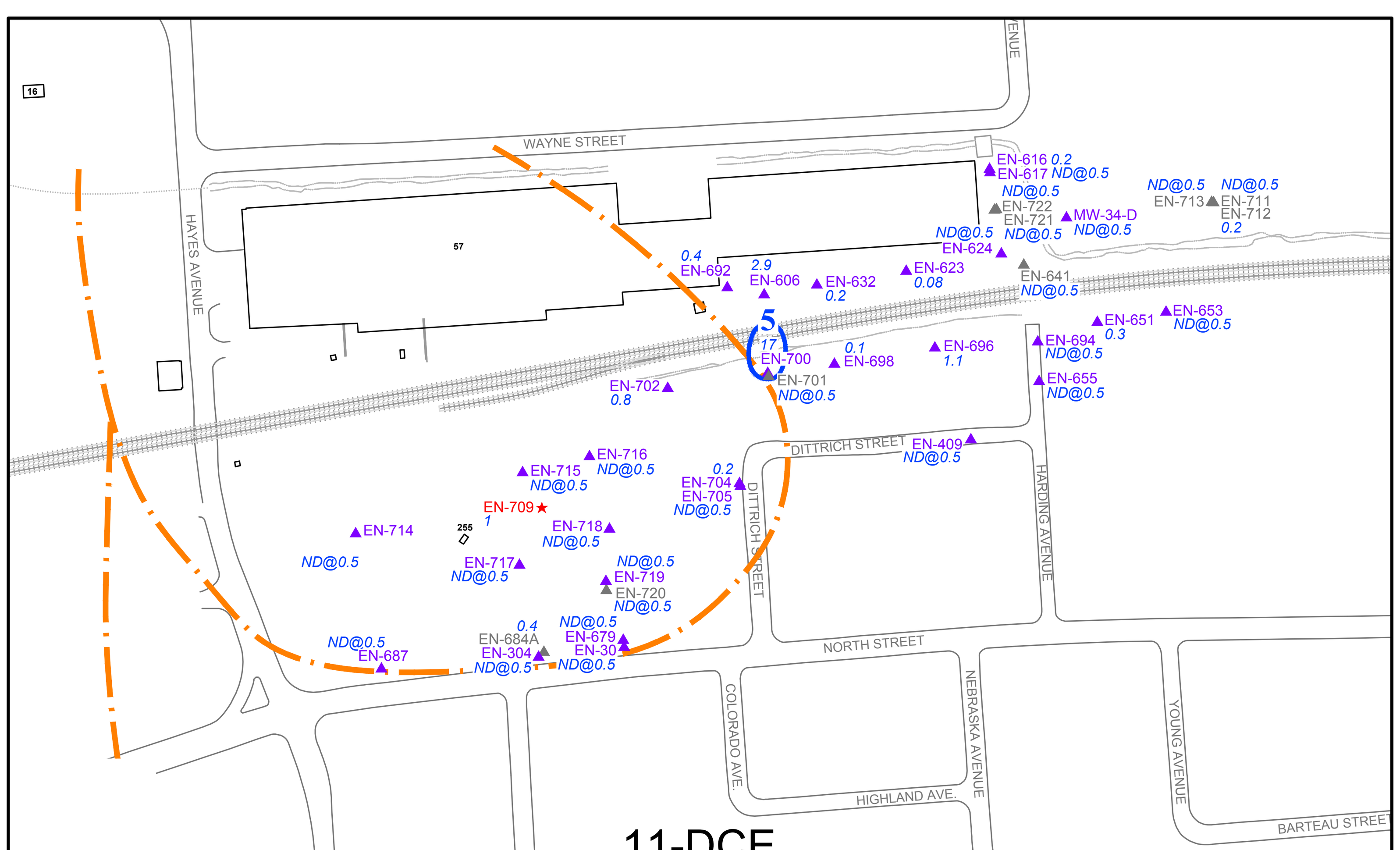
PCE



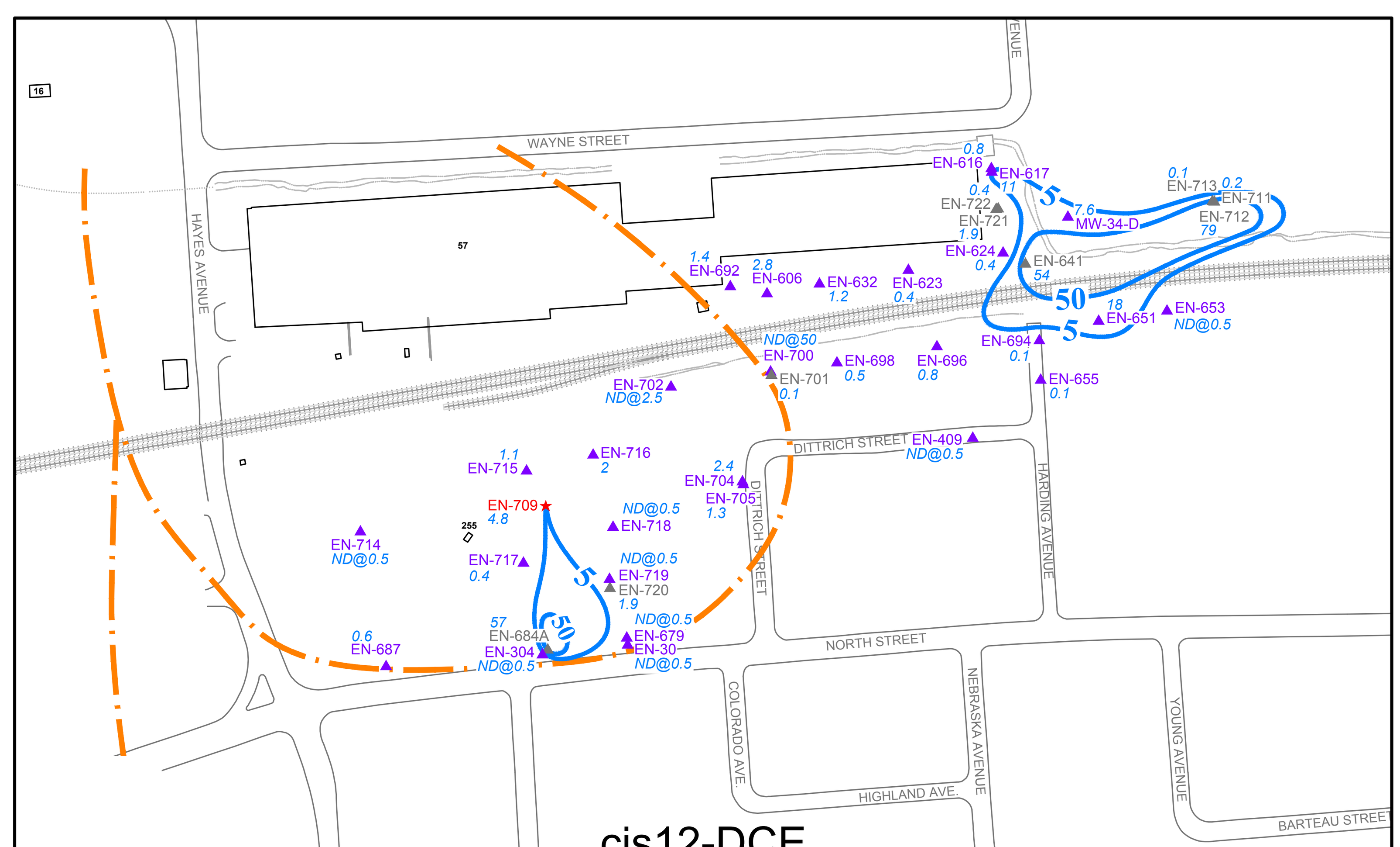
11-DCA



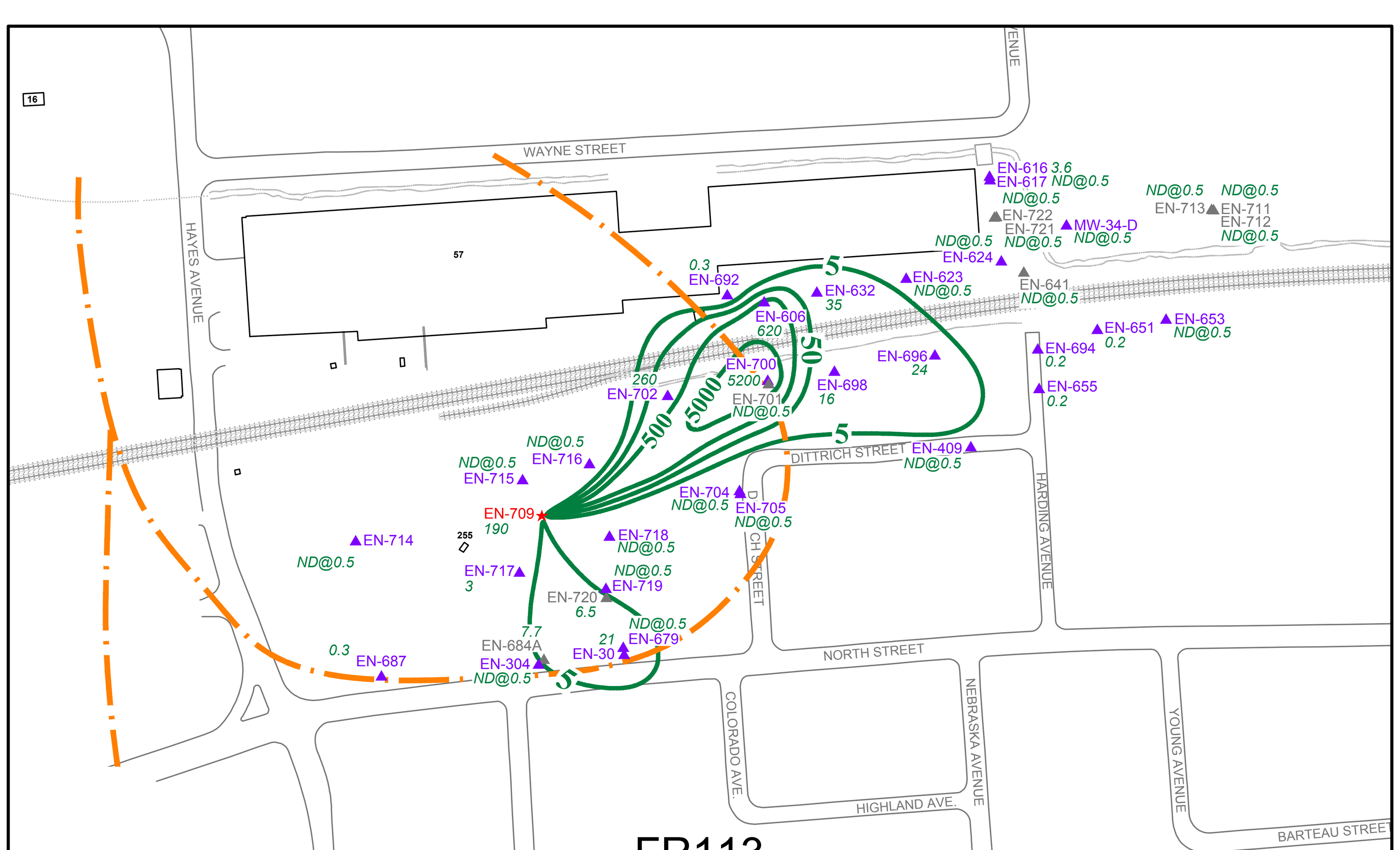
TCE



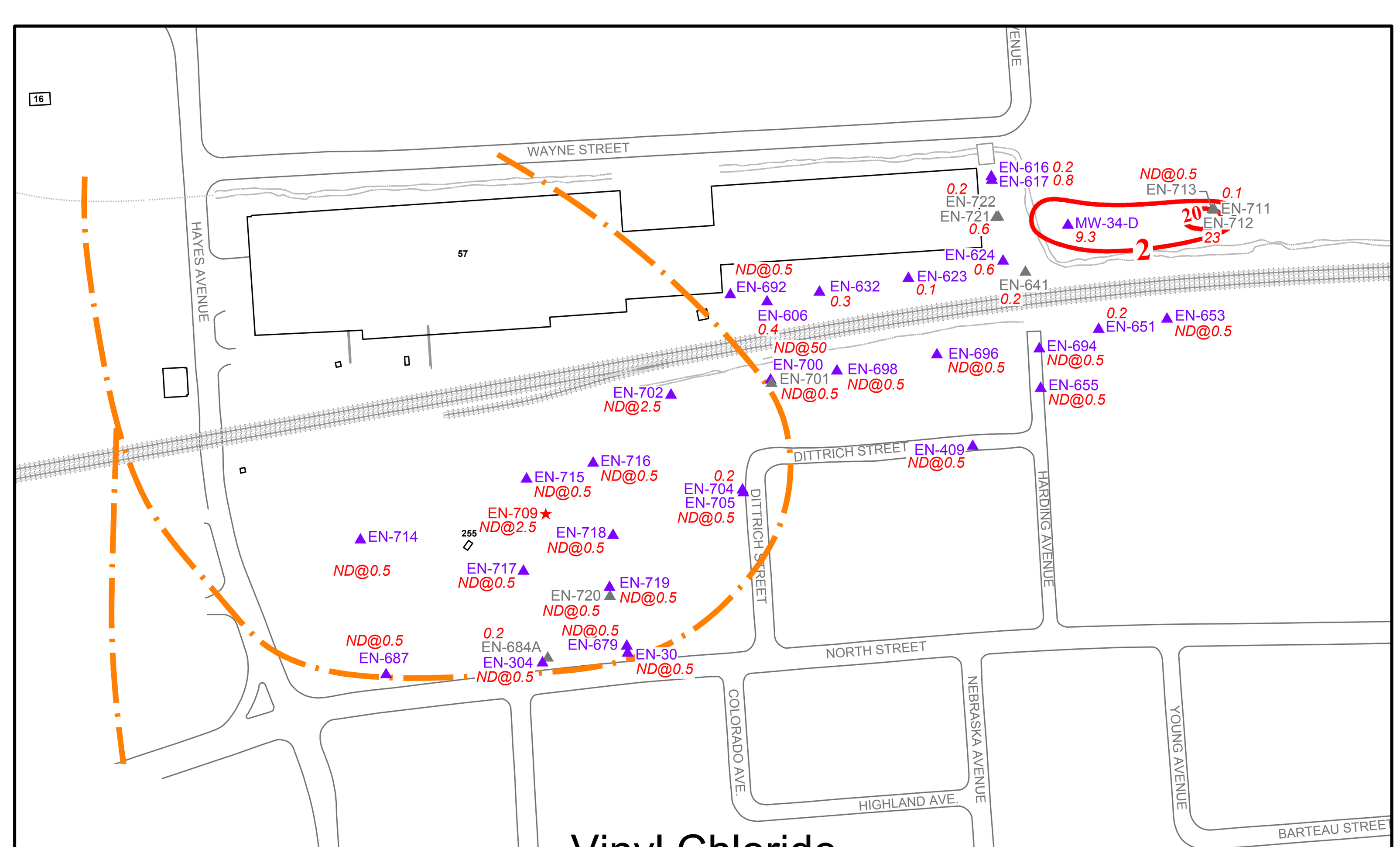
11-DCE



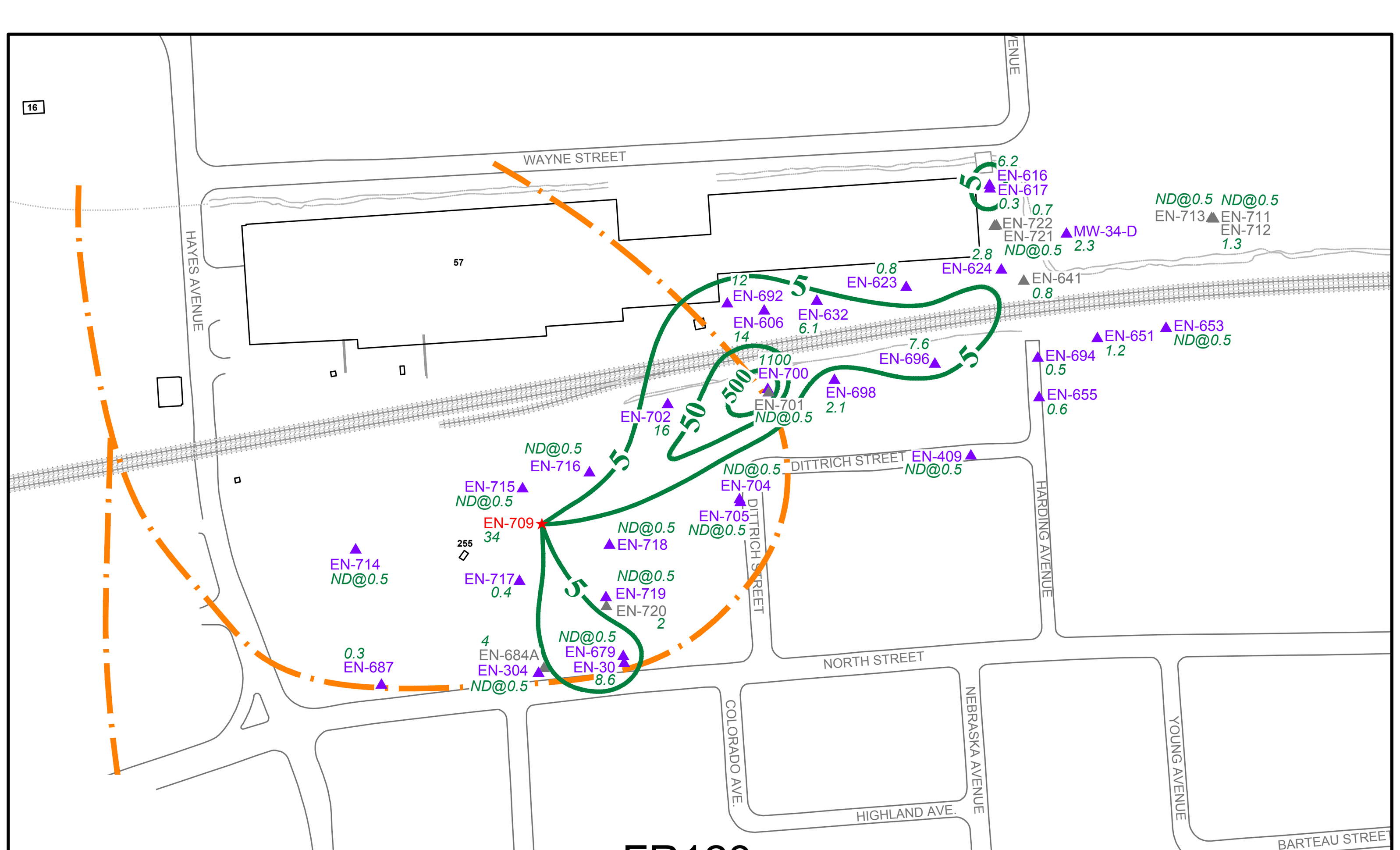
cis12-DCE



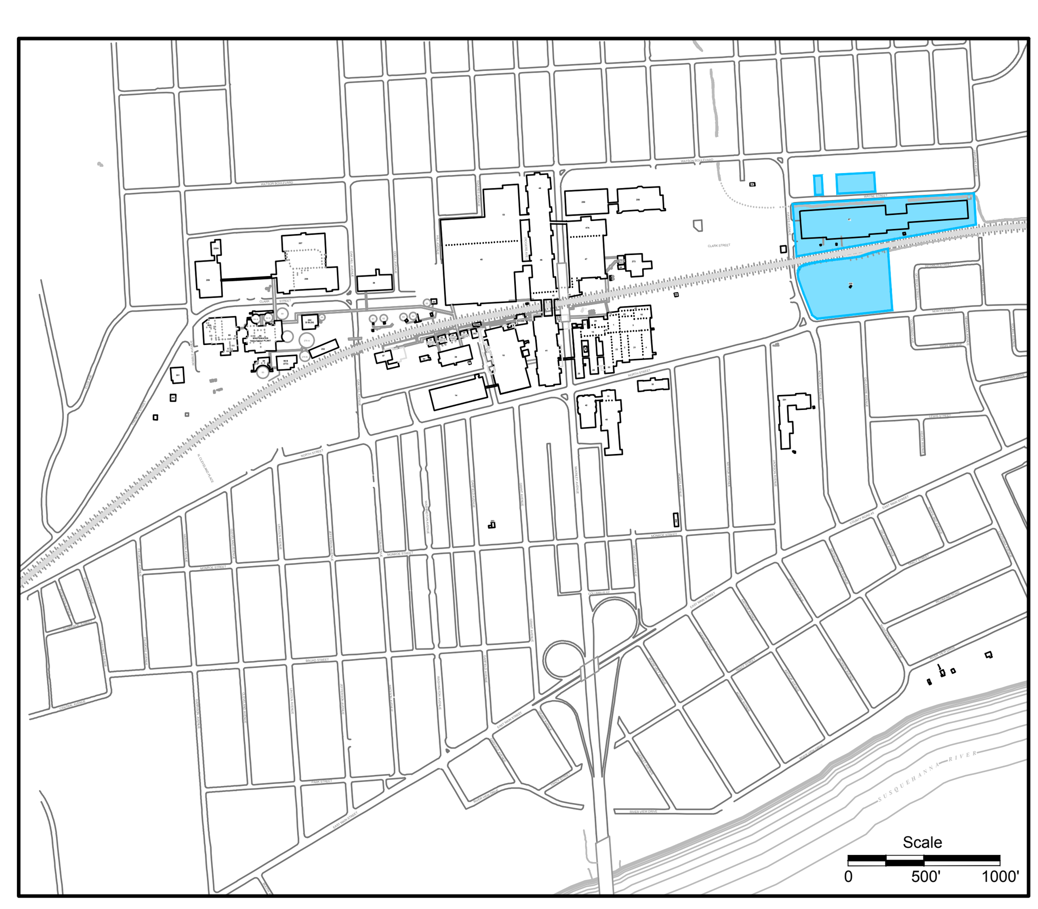
FR113



Vinyl Chloride



FR123a



Operable Unit #5 Location Map

LEGEND

- ▲ - Upper Aquifer Monitoring Well
- ▲ - Other Monitoring Well
- ★ - Upper Aquifer Extraction Well
- 11-DCA - 1,1-Dichloroethane
- 11-DCE - 1,1-Dichloroethene
- 111-TCA - 1,1,1-Trichloroethane
- cis12-DCE - cis-1,2-Dichlorothene
- FR113 - 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon113)
- FR123a - 1,2-Dichloro-1,2,2-Trifluoroethane (Freon 123a)
- PCE - Tetrachloroethene
- TCE - Trichloroethene
- VOC - Volatile Organic Compound
- *23* - Constituent Concentration (µg/l)
- *ND* - Not Detected (various detection limits)
- —5— - Constituent Isoconcentration Contour (µg/l; dashed where inferred)
- - Apparent Limits of EN-709 Hydraulic Capture Zone

Scale: 0 100' 200'

Plate 5-10

Former IBM Endicott Site
Site #704014

VOC Isoconcentration Contour Maps
OU#5 Area, Upper Aquifer
(August 2018)

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: SMF/RCW		2007_VOC_2018-08_OU5_1

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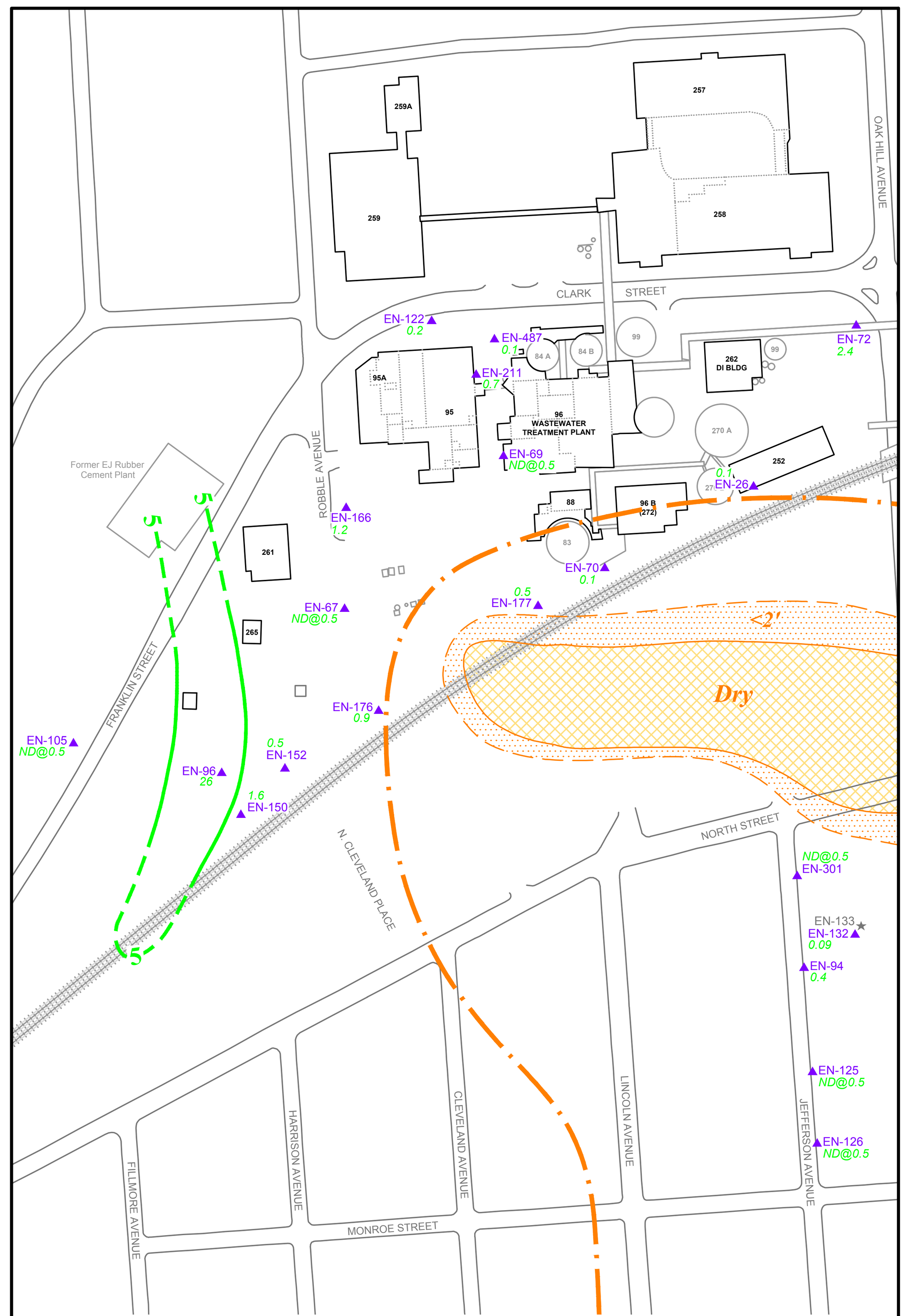
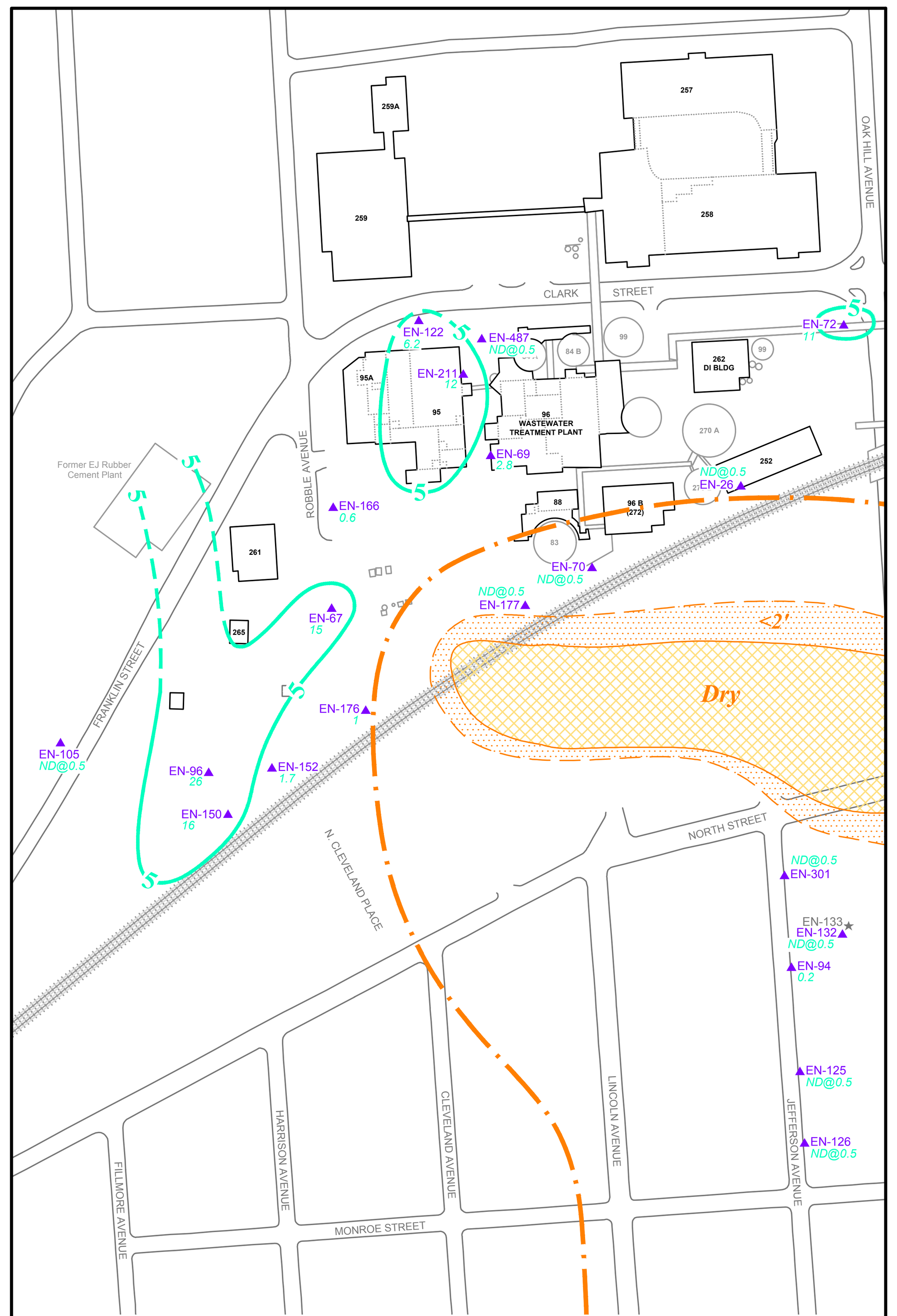
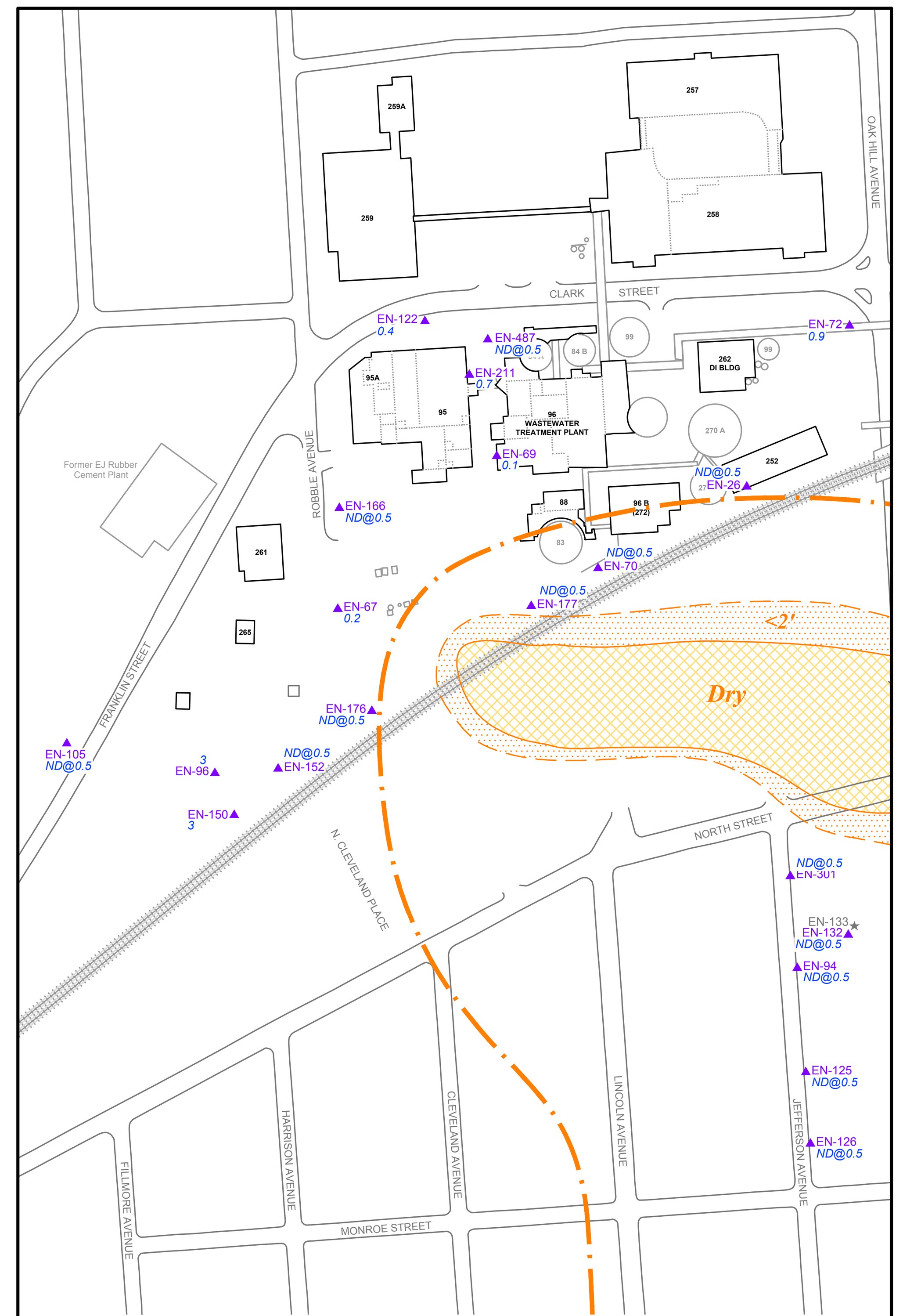


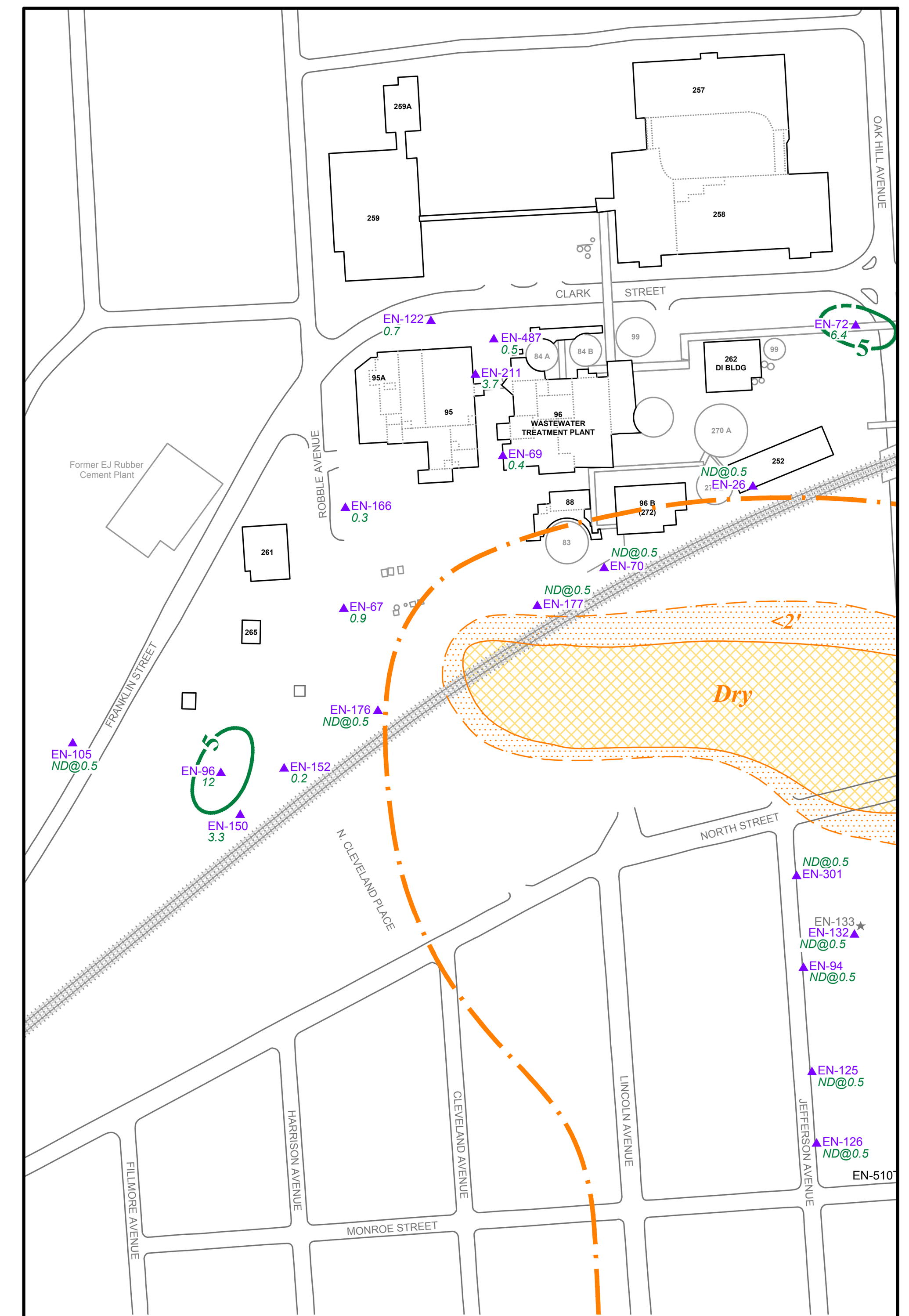
111-TCA



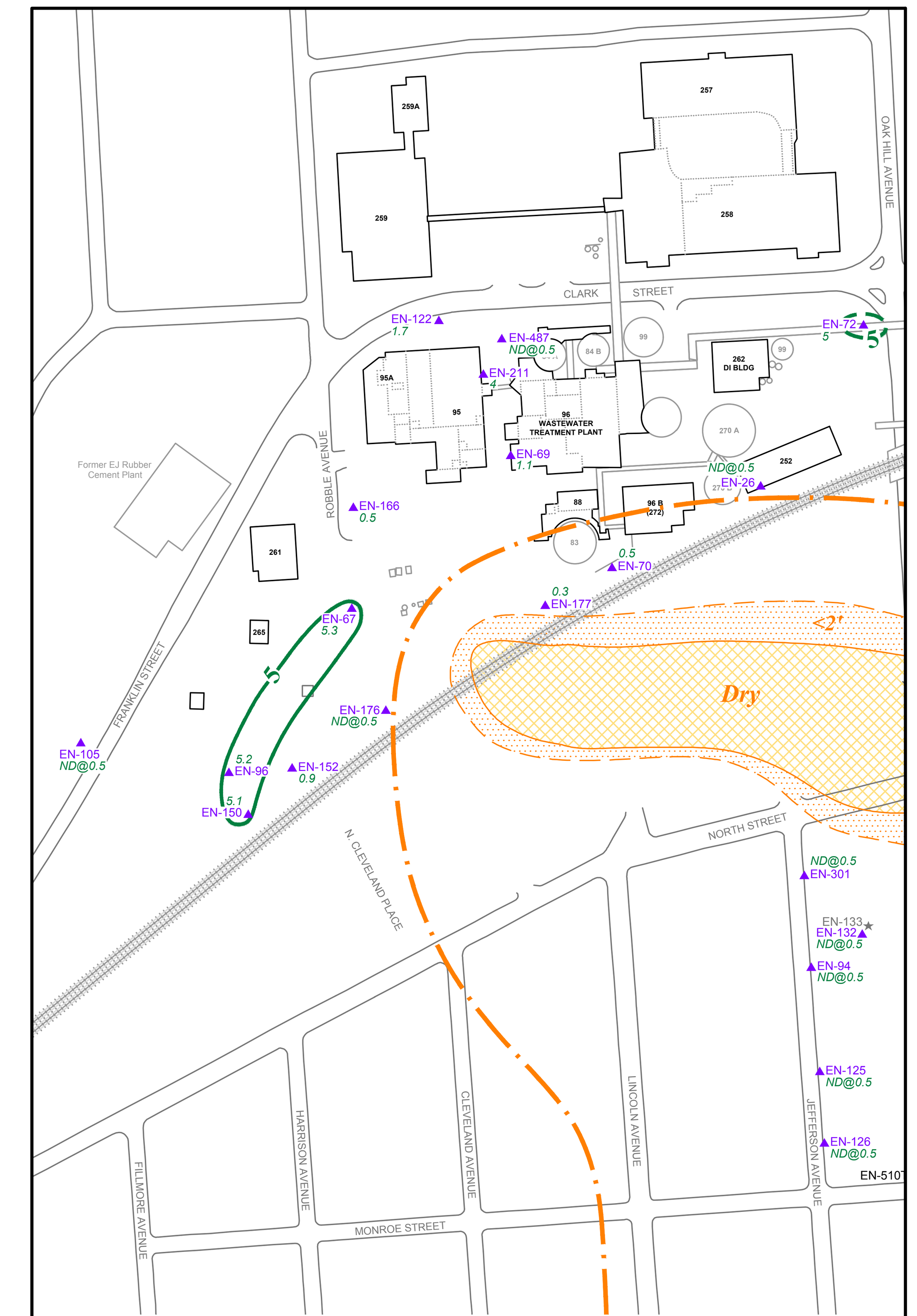
11-DCA



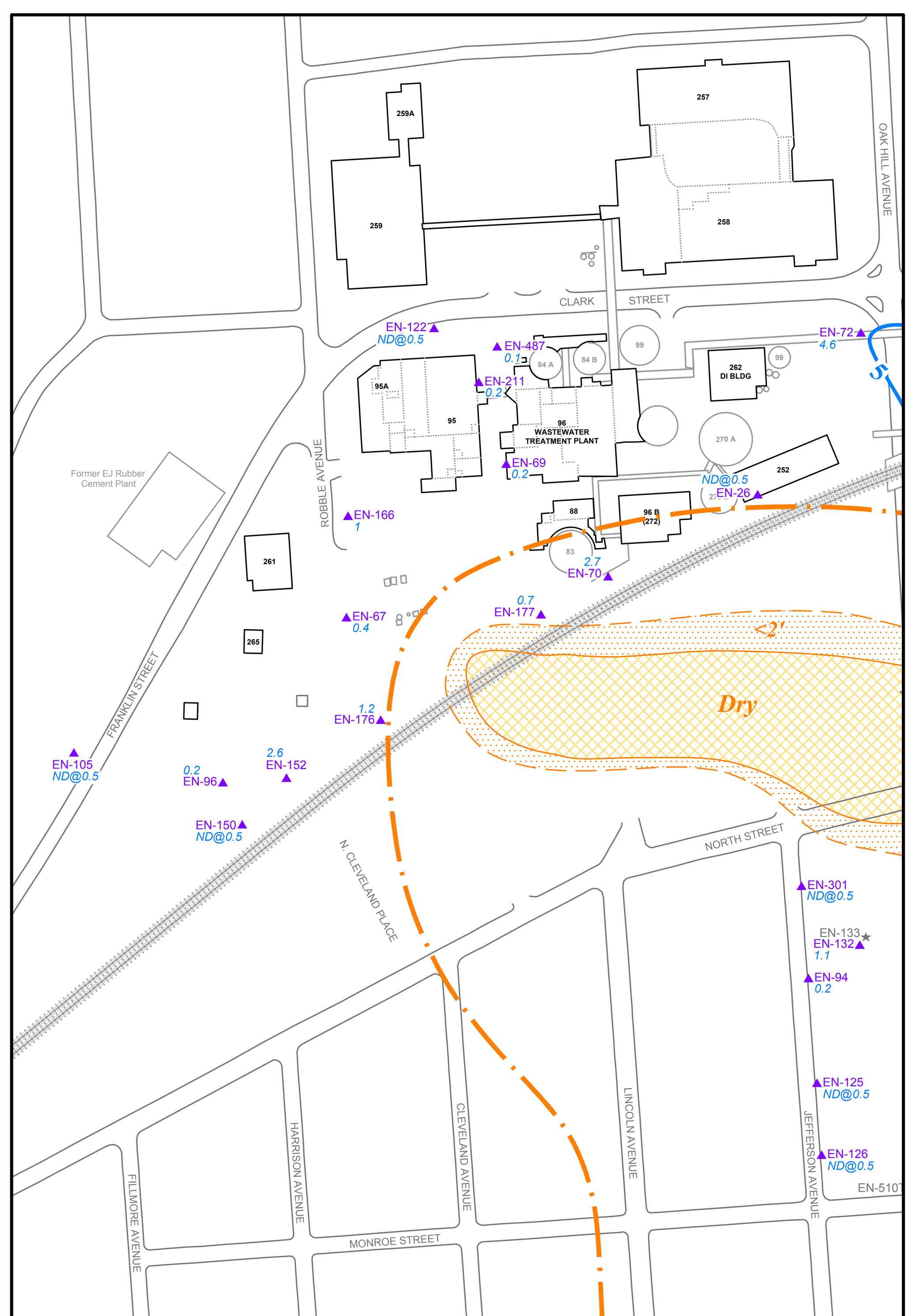
11-DCE



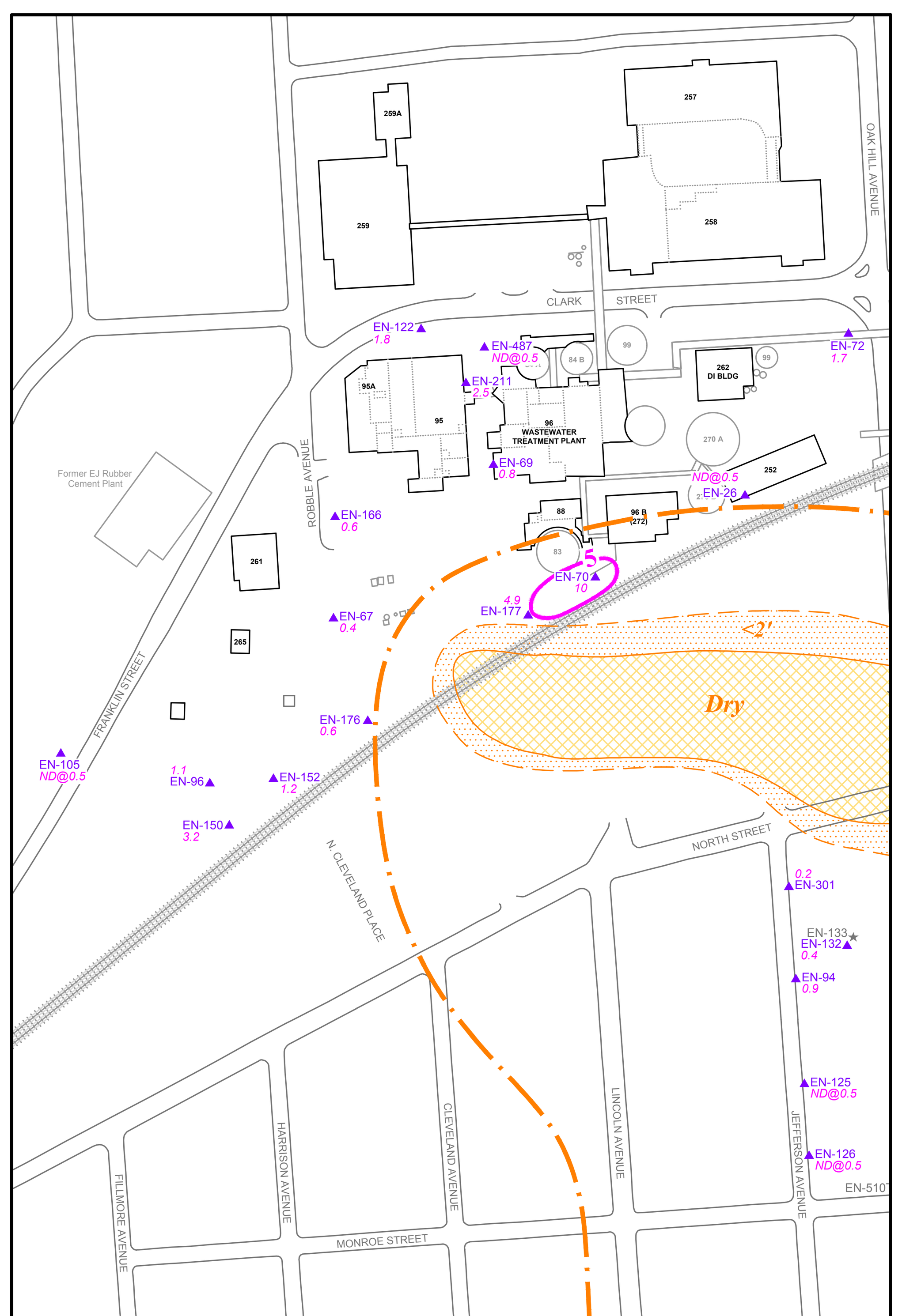
FR113



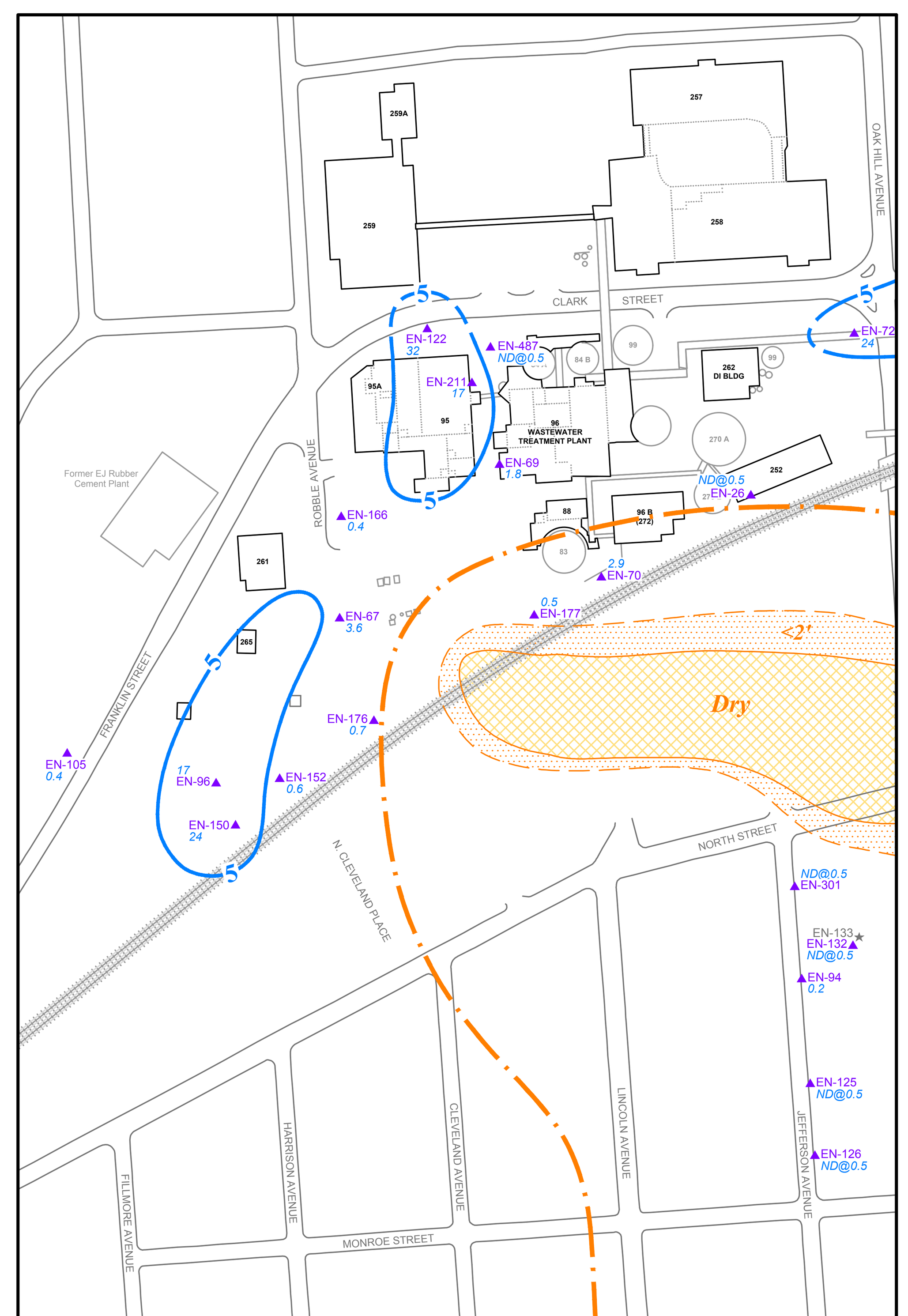
FR123a



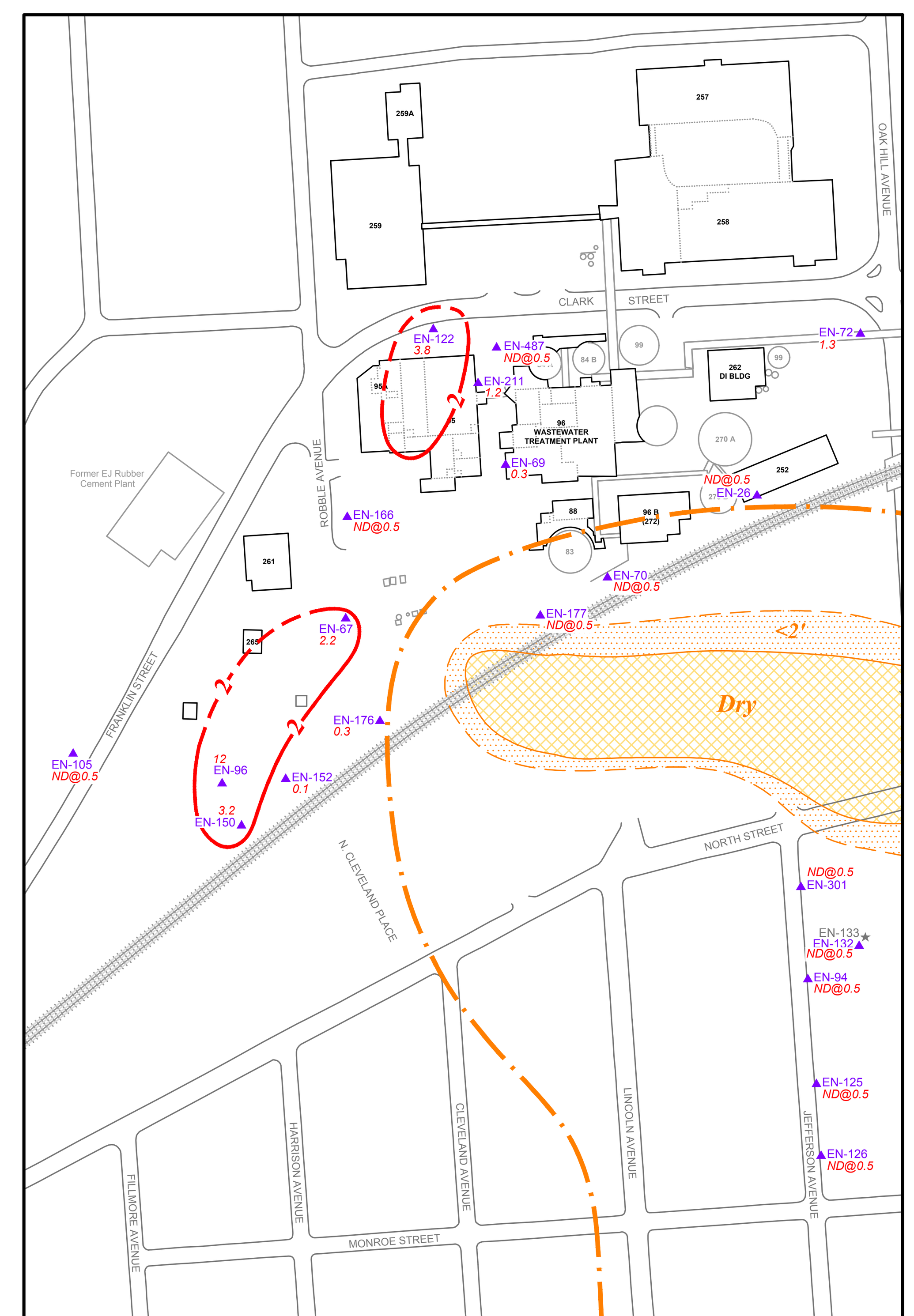
PCE



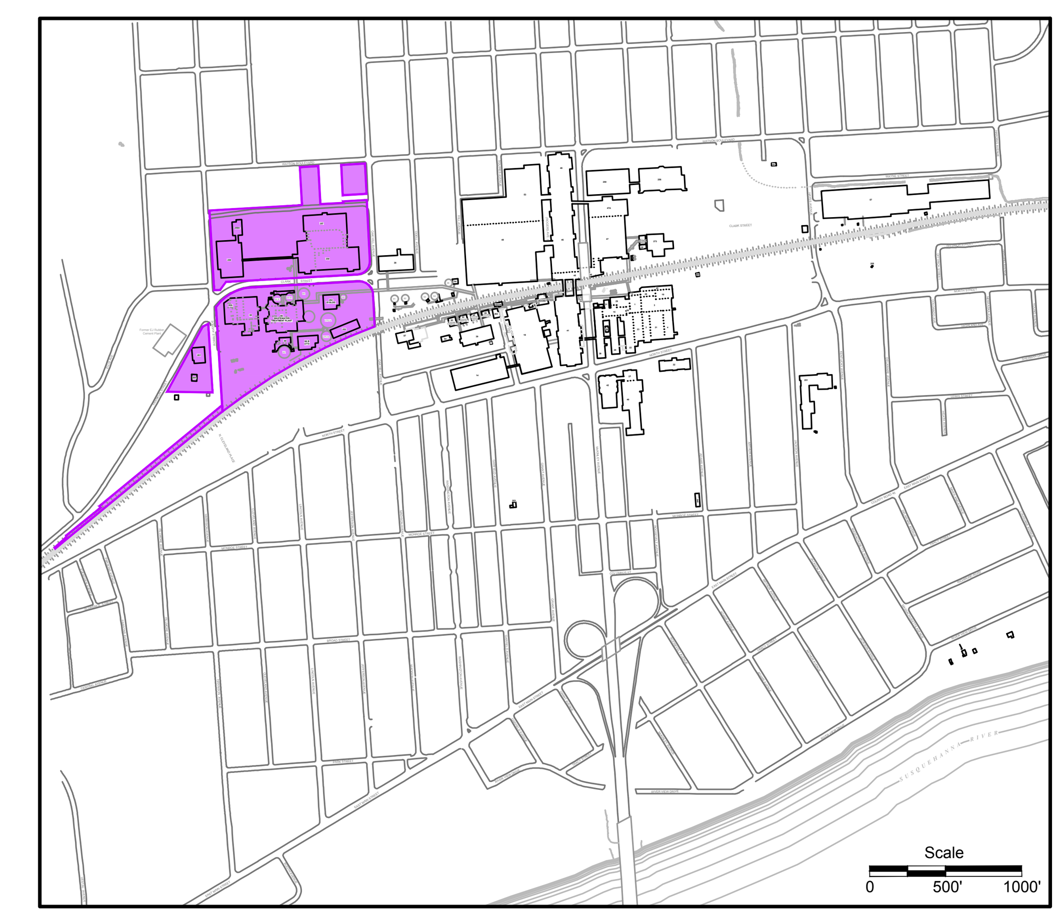
TCE



cis12-DCE



Vinyl Chloride



Operable Unit #7 Location Map

LEGEND

- ▲ - Upper Aquifer Monitoring Well
- ★ - Upper Aquifer Extraction Well
- 11-DCA - 1,1-Dichloroethane
- 11-DCE - 1,1-Dichloroethene
- 111-TCA - 1,1,1-Trichloroethane
- cis12-DCE - cis-1,2-Dichlorothene
- FR113 - 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon113)
- FR123a - 1,2-Dichloro-1,2,2-Trifluoroethane (Freon 123a)
- PCE - Tetrachloroethene
- TCE - Trichloroethene
- VOC - Volatile Organic Compound
- *12* - Constituent Concentration (µg/l)
- *ND* - Not Detected (various detection limits)
- —5— - Constituent Isoconcentration Contour (µg/l; dashed where inferred)
- Groundwater Flow Divide

Scale 0 250'

Plate 5-11

Former IBM Endicott Site
Site #704014

VOC Isoconcentration Contour Maps
OU#7 Area, Upper Aquifer
August 2018

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: SMF/RCW		2007_VOC_2018-08_OU7_1

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LEGEND

- Bedrock Monitoring Well
- Bedrock Extraction Well

TCE - Trichloroethene
cis12-DCE - cis-1,2-Dichlorothene
111-TCA - 1,1,1-Trichloroethane
11-DCA - 1,1-Dichloroethane
11-DCE - 1,1-Dichloroethene
28 - Constituent Concentration (µg/l)
5 - Constituent Isoconcentration Contour (µg/l; dashed where inferred)
- Apparent Limits of Extraction Well EN-D49 Hydraulic Capture (August 2017)

Scale
0 100' 200'

Plate 5-12

Former IBM Endicott Site
Site #704014

VOC Isoconcentration Contour Maps
Bedrock Aquifer (OU#6)
August 2018

DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: SMF		2007_BRchem_2018-08_7up_1

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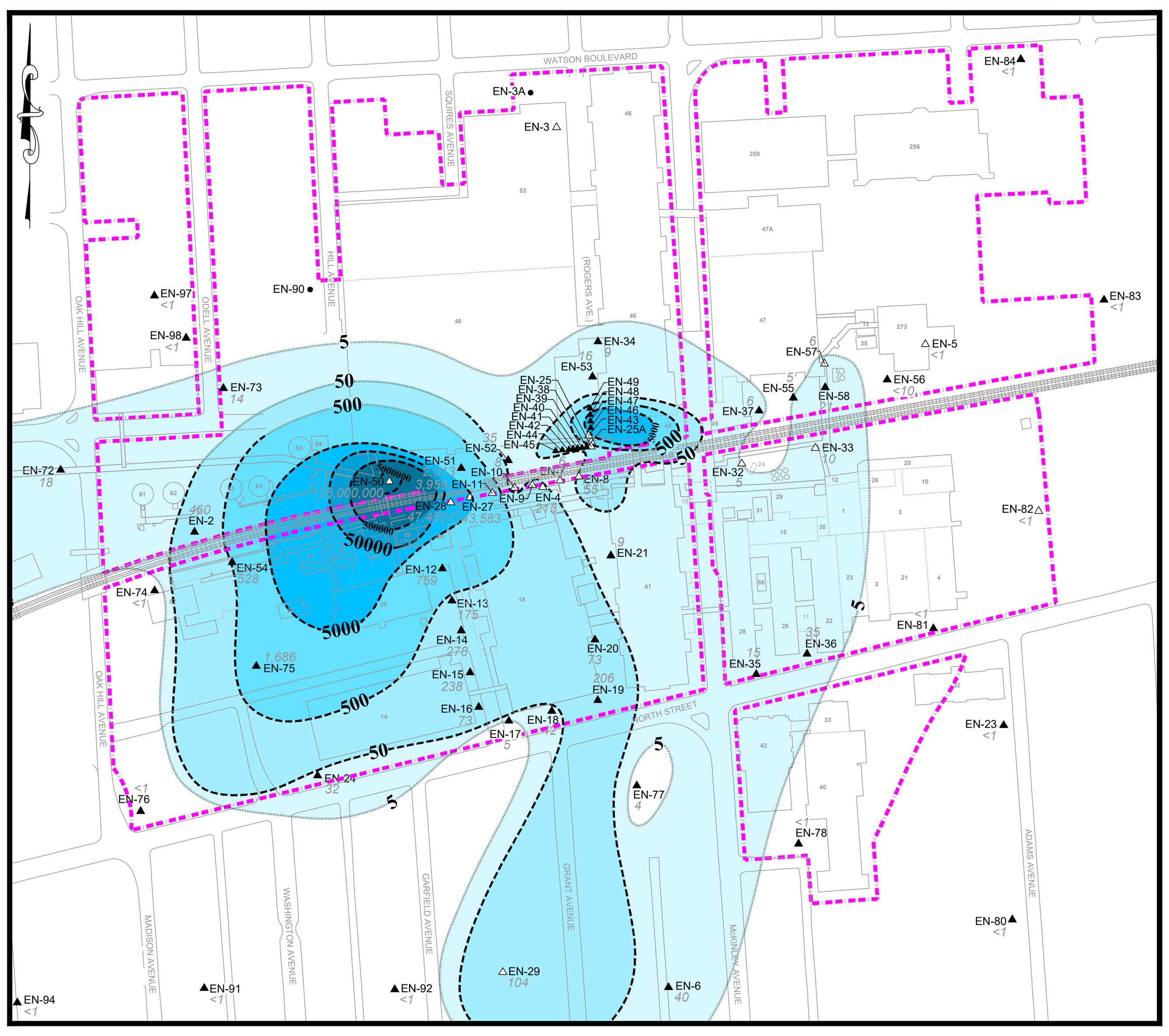
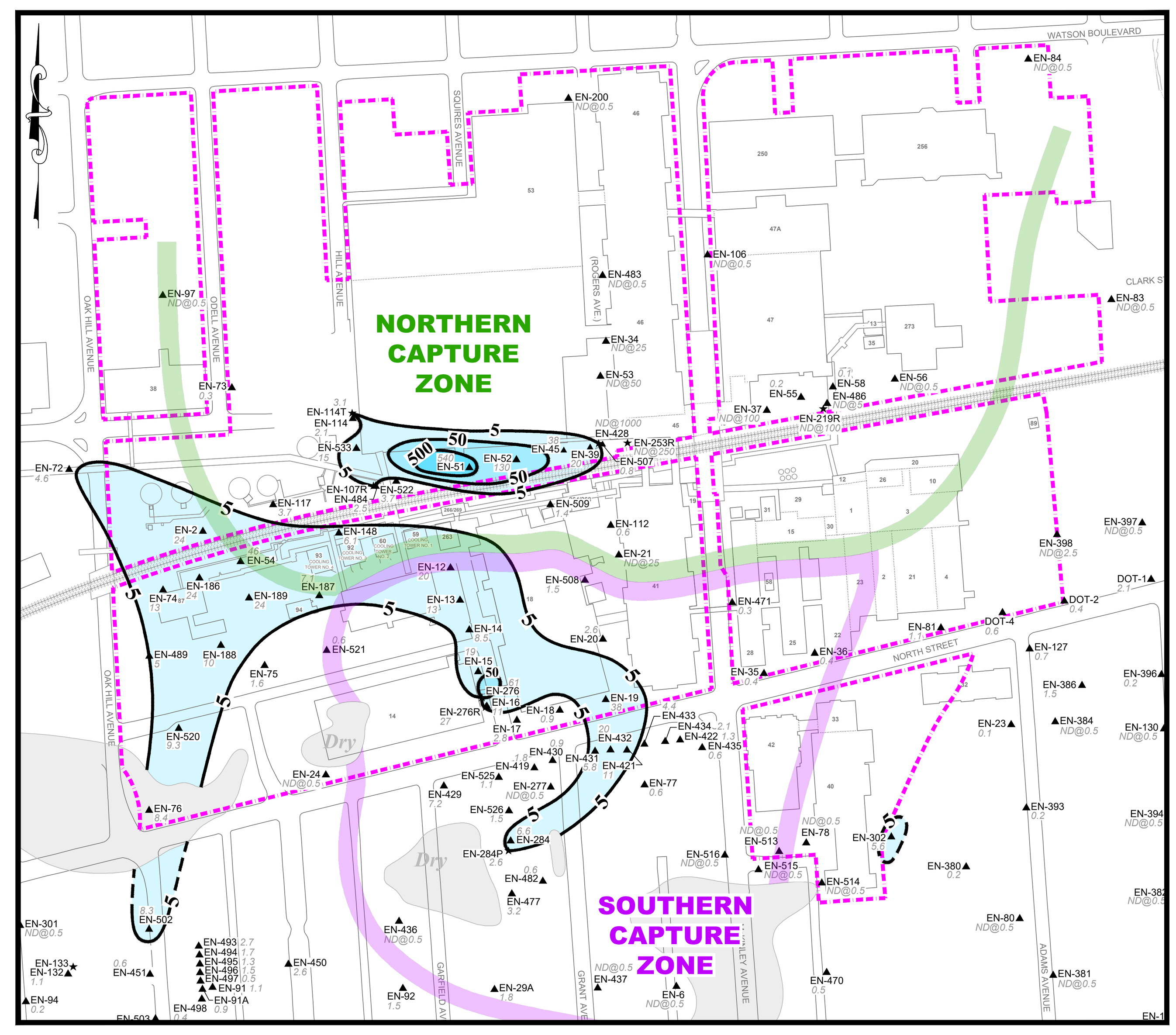
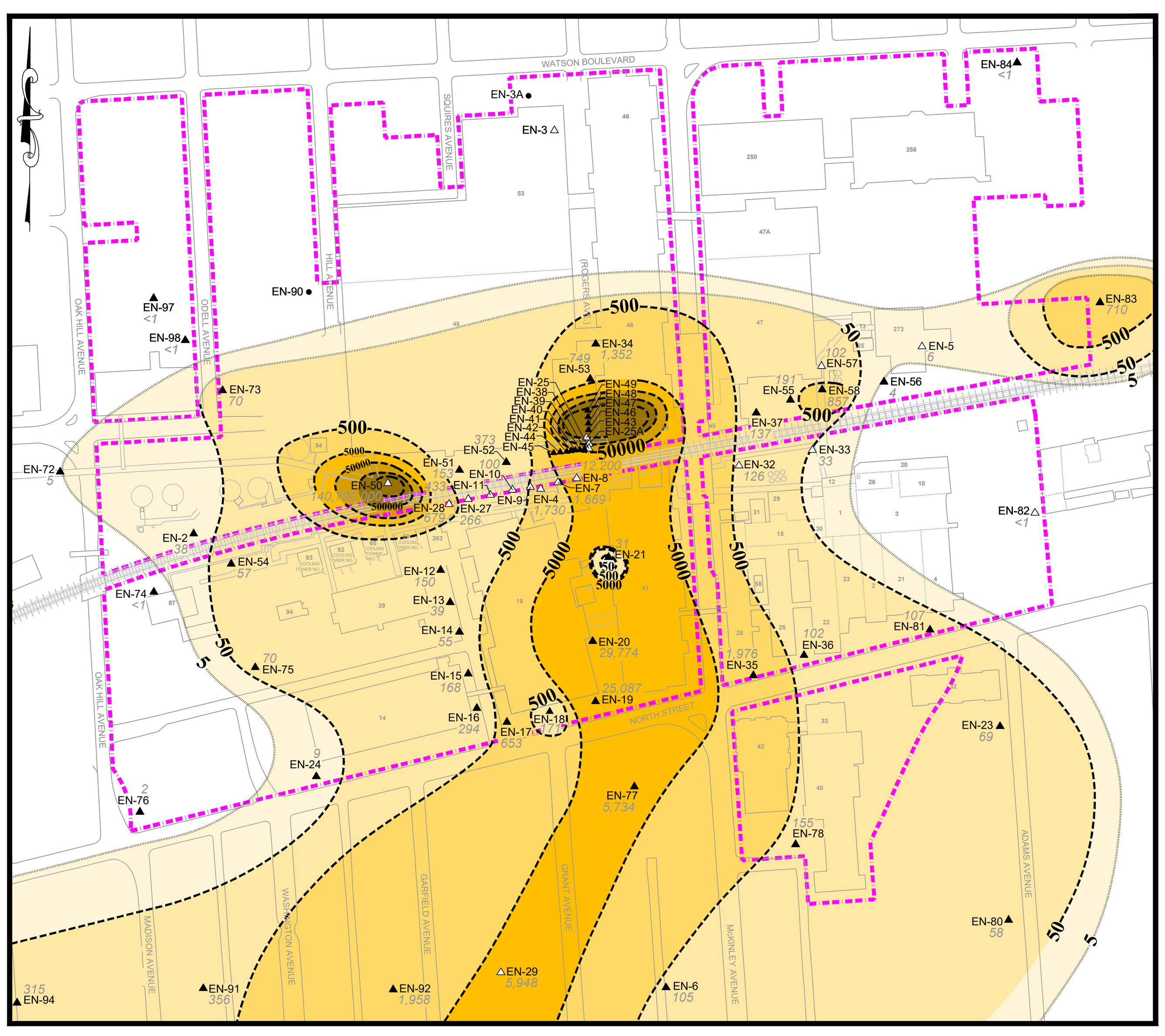


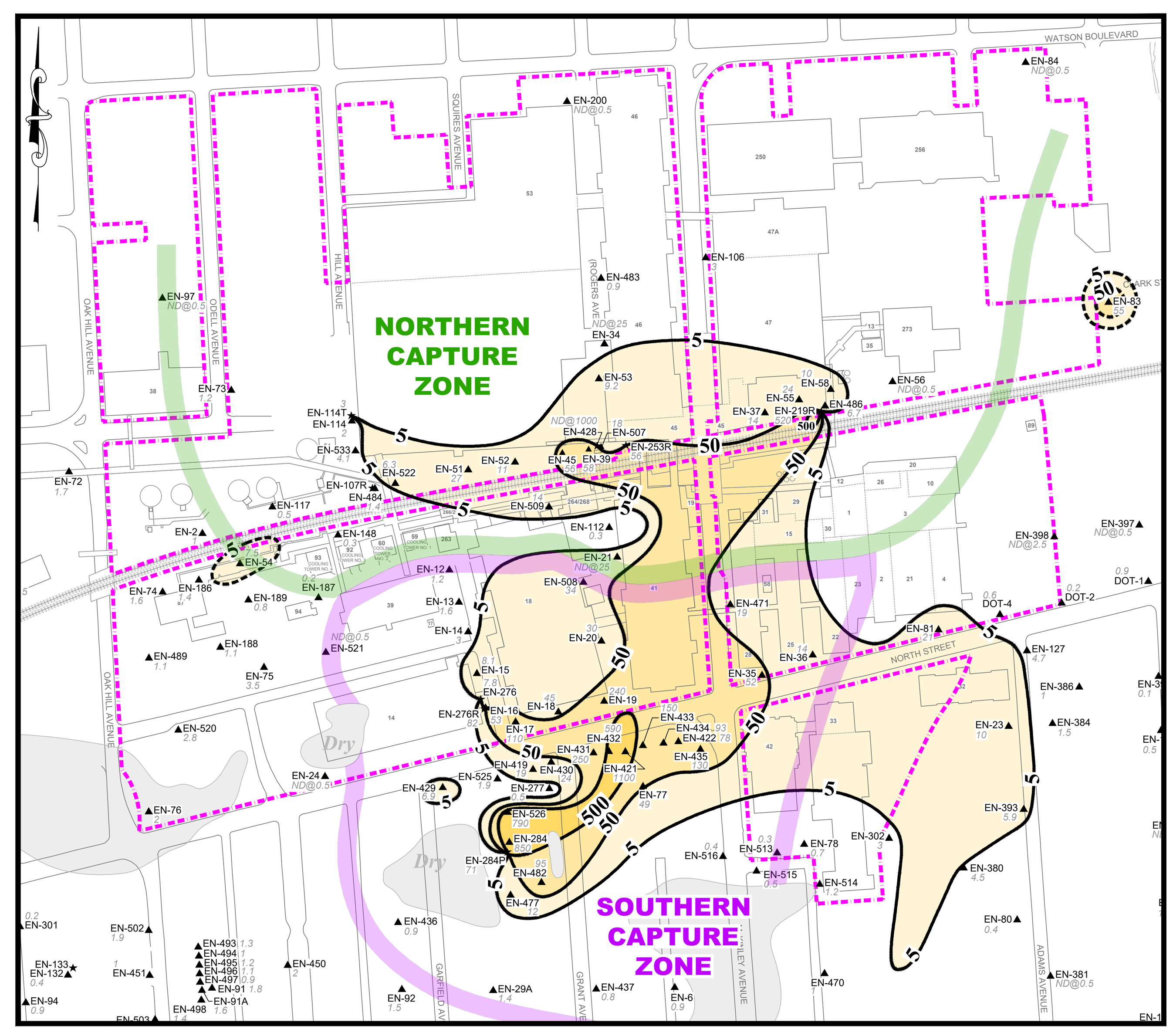
PCE Isoconcentration Contour Map (September 1980)



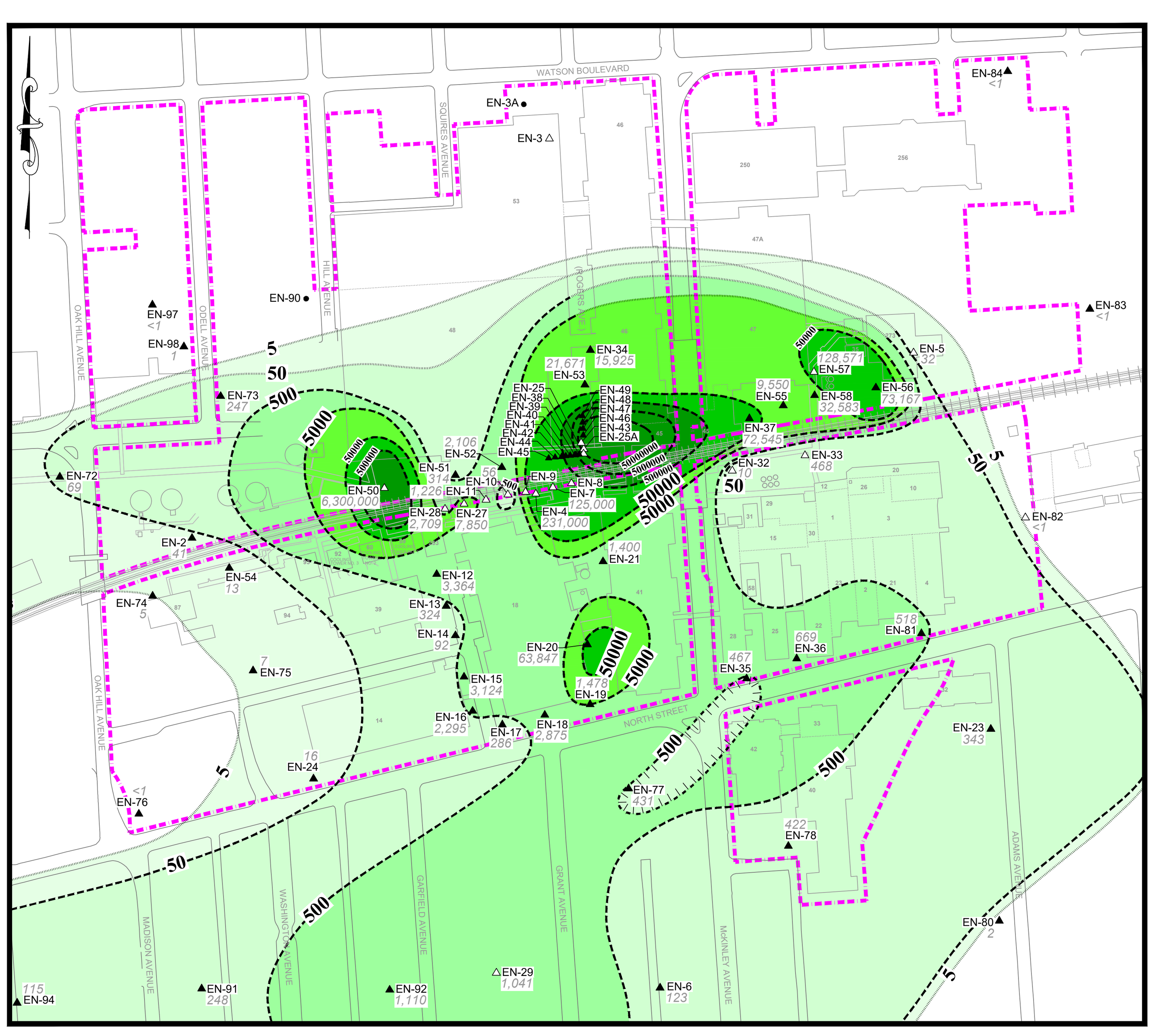
PCE Isoconcentration Contour Map (August 2018)



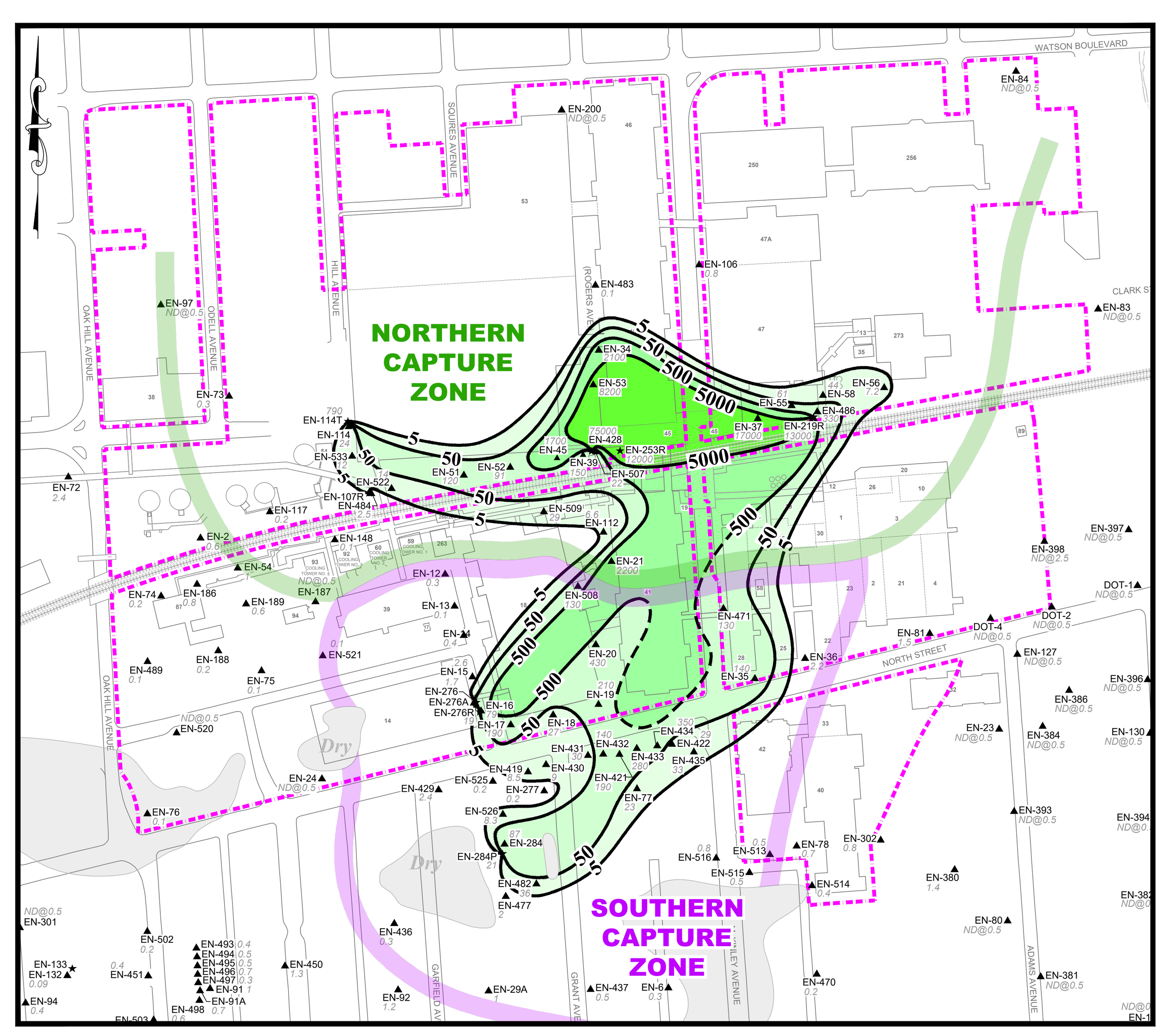
TCE Isoconcentration Contour Map (September 1980)



TCE Isoconcentration Contour Map (August 2018)



TCA Isoconcentration Contour Map (September 1980)



TCA Isoconcentration Contour Map (August 2018)

PCE CONCENTRATIONS	TCE CONCENTRATIONS	TCA CONCENTRATIONS
5 - 50 µg/l	5 - 50 µg/l	5 - 50 µg/l
50 - 500 µg/l	50 - 500 µg/l	50 - 500 µg/l
500 - 5,000 µg/l	500 - 5,000 µg/l	500 - 5,000 µg/l
5,000 - 50,000 µg/l	5,000 - 50,000 µg/l	5,000 - 50,000 µg/l
50,000 - 500,000 µg/l	50,000 - 500,000 µg/l	50,000 - 500,000 µg/l
Greater than 500,000 µg/l	Greater than 500,000 µg/l	Greater than 500,000 µg/l

LEGEND

- TCE - Trichloroethene
- 50 - TCE Isoconcentration Contour (µg/l; dashed where inferred)
- 10 - TCE Concentration (µg/l)
- ND - Not Detected (various detection limits)
- TCA - 1,1,1-Trichloroethane
- 50 - TCA Isoconcentration Contour (µg/l; dashed where inferred)
- 16 - TCA Concentration (µg/l)
- ND - Not Detected (various detection limits)
- PCE - Tetrachloroethene
- 50 - PCE Isoconcentration Contour (µg/l; dashed where inferred)
- 7 - PCE Concentration (µg/l)
- ND - Not Detected (various detection limits)
- Area of Unsaturated Soil in the Upper Aquifer
- Operable Units #1 and #2
- ▲ - Upper Aquifer Monitoring Well
- △ - Abandoned Upper Aquifer Monitoring Well
- ★ - Upper Aquifer Extraction Well
- ★ - Inactive Upper Aquifer Extraction Well
- ● - Soil Boring

Scale 0 150' 300'

Plate 6-1

Former IBM Endicott Site
Site #704014

Operable Units #1 and #2
Temporal Variations in Upper Aquifer Chemistry, 1980 and 2018

DRAWN BY: M/J/MHM | DATE: 1/29/19 | DRAWING NO. 2007_3up_1980-09_J2
CHECKED & APPROVED BY: SMF/RCW

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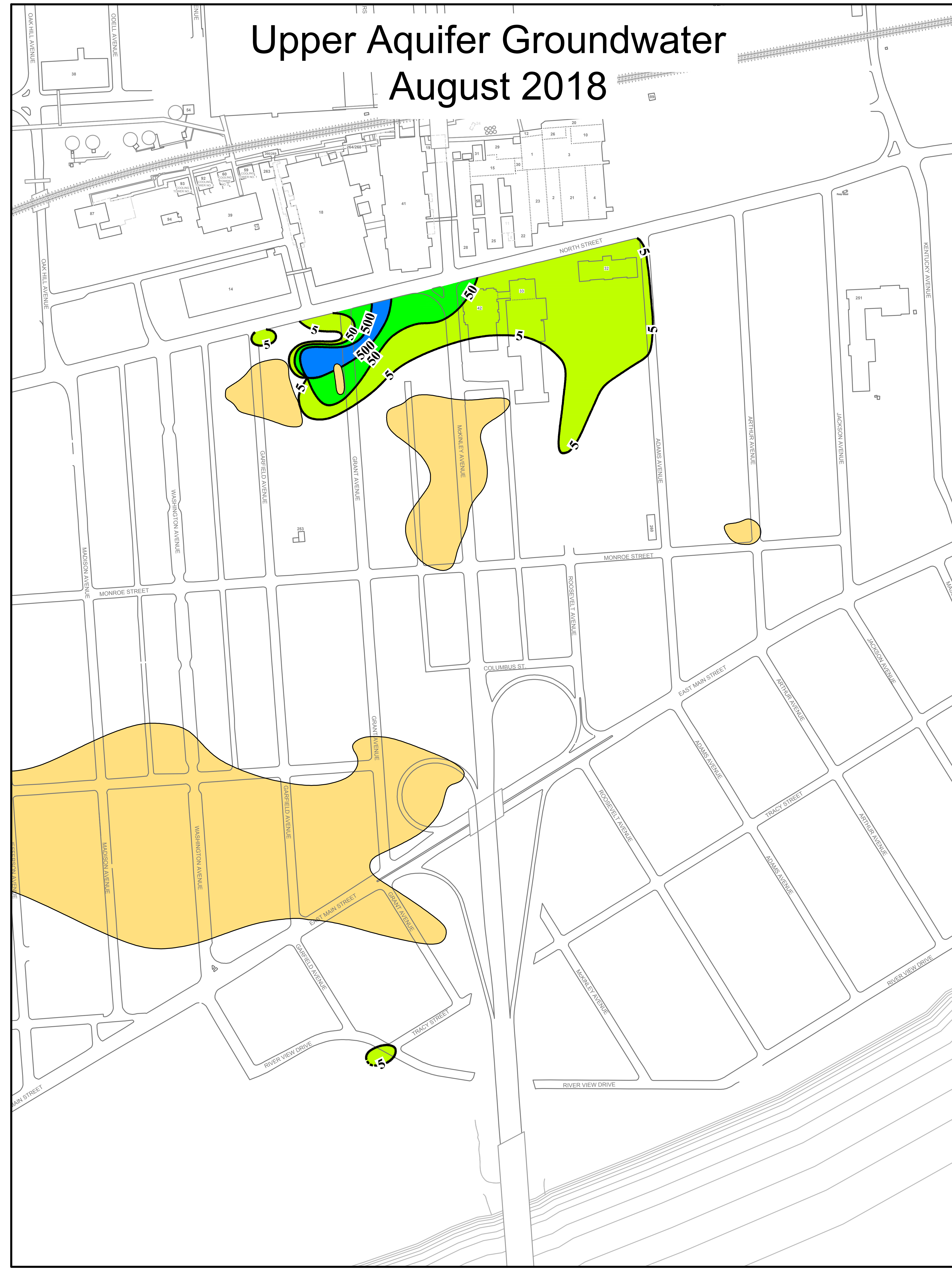


Plate 6-2

LEGEND

TCE - Trichloroethene

5 - TCE Isoconcentration Contour (µg/l)

- Area of Unsaturated Soil in the Upper Aquifer

TCE CONCENTRATIONS

- 5 - 50 µg/l
- 50 - 200 µg/l
- 200 - 500 µg/l
- 500 - 5,000 µg/l
- 5,000 - 50,000 µg/l
- > 50,000 µg/l

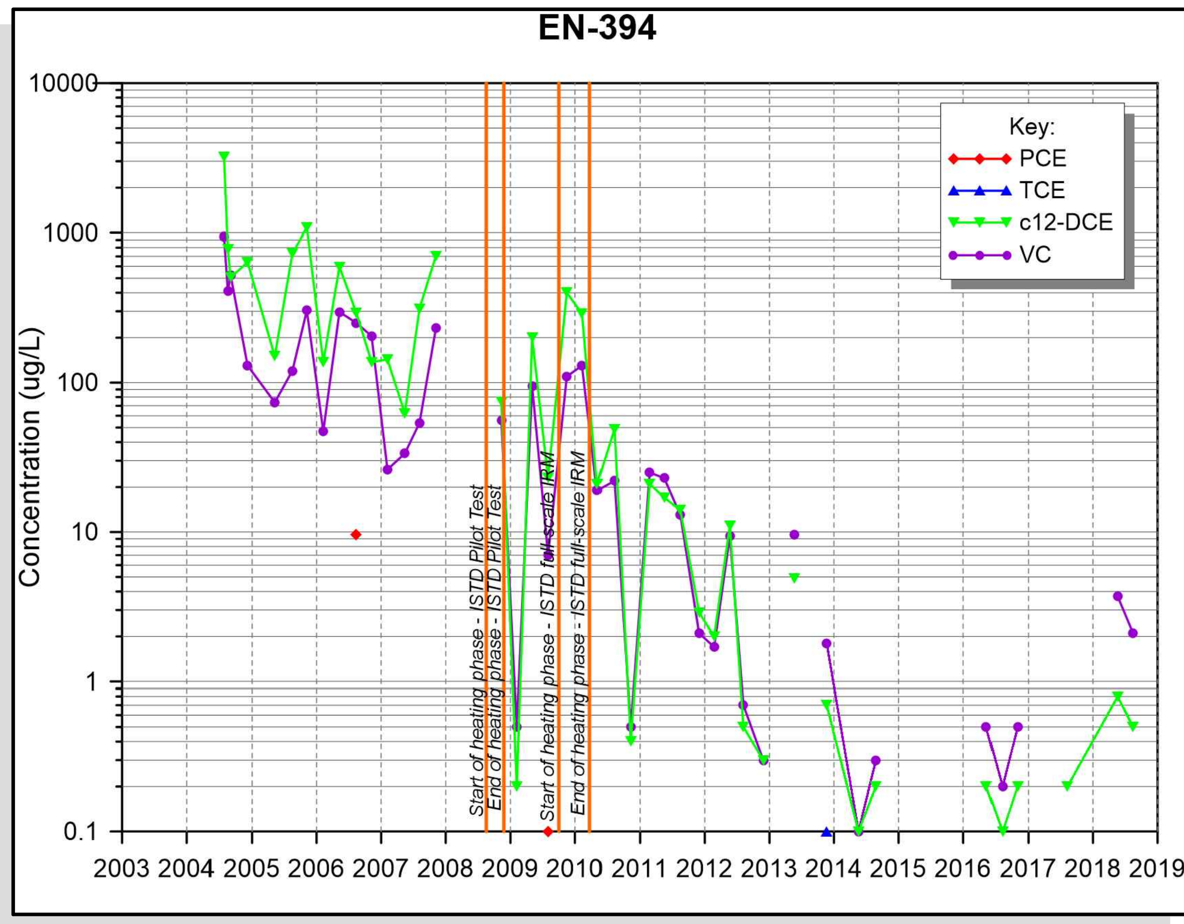
Scale
0 150' 300'

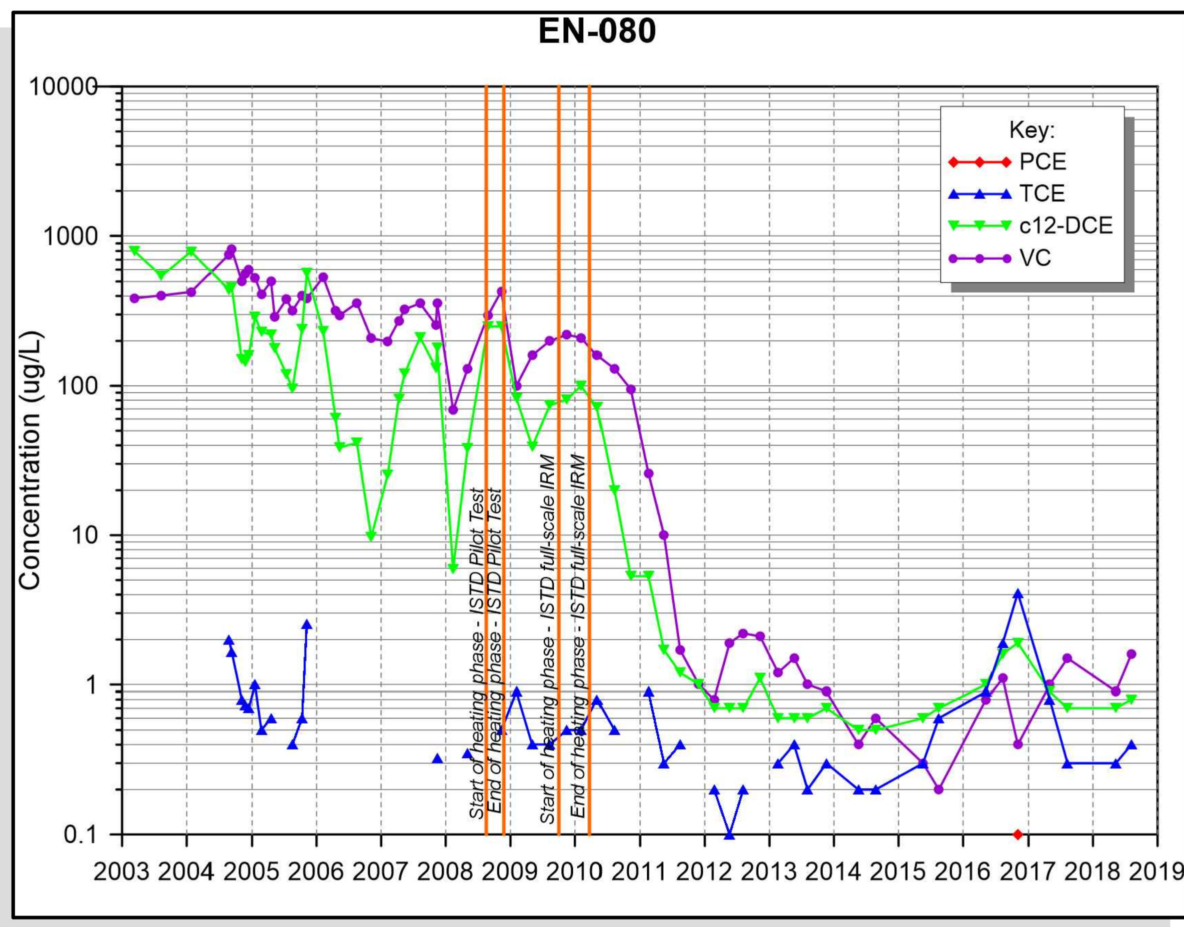
Former IBM Endicott Site
Site #704014

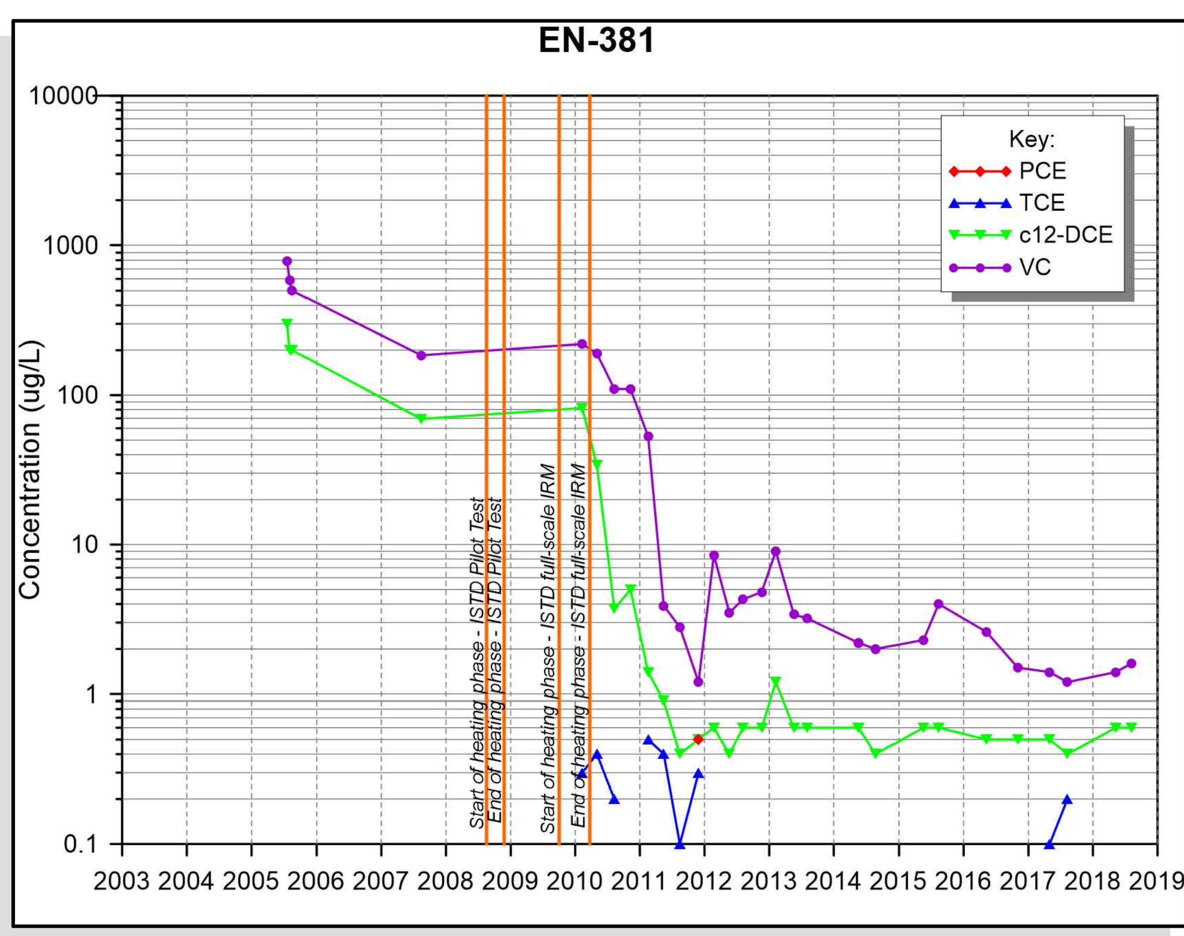
Comparative TCE Isoconcentration Contour Map
Upper Aquifer
(First Half 2004 vs. August 2018)

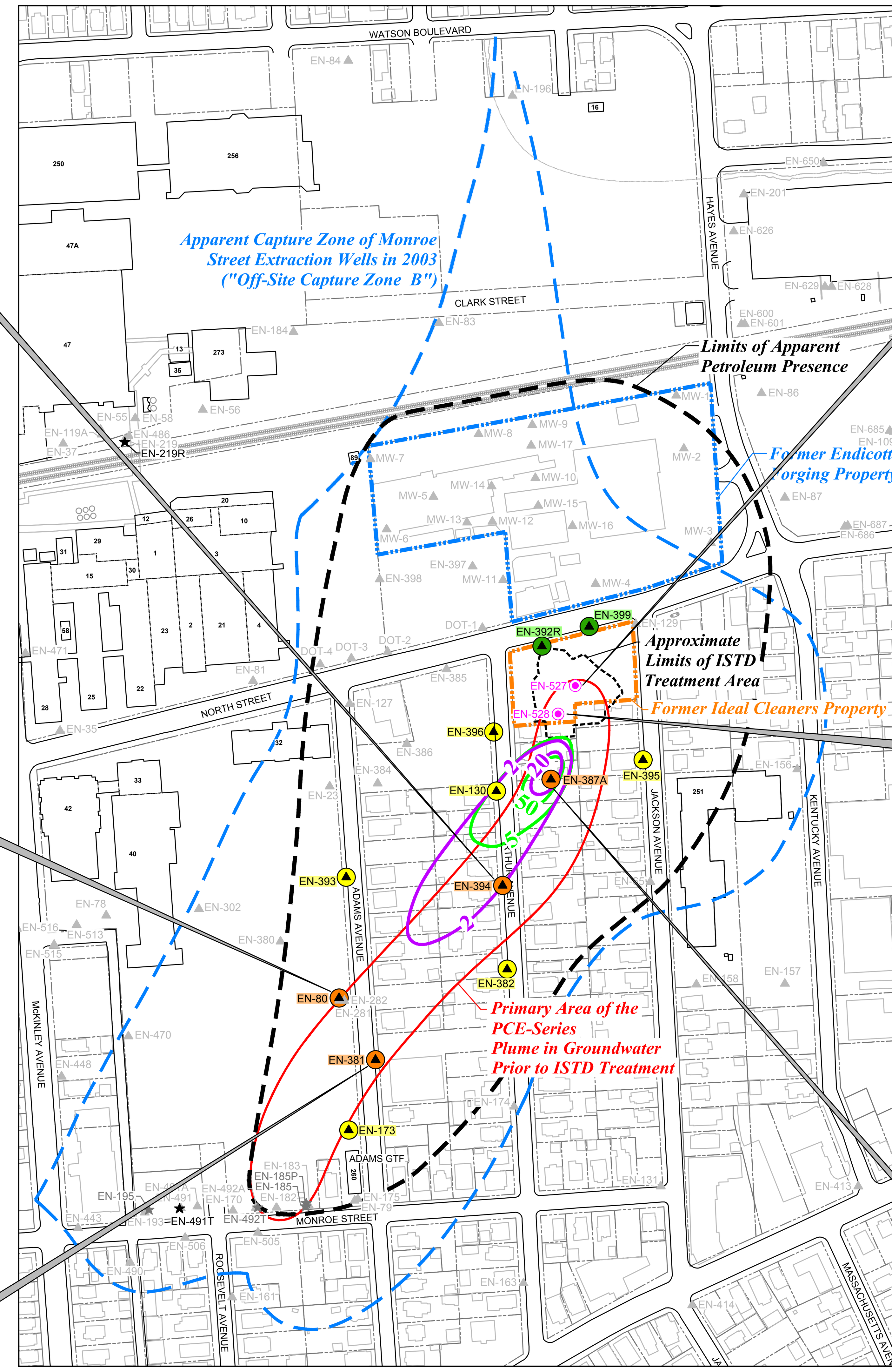
DRAWN BY: MHM/JPB	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: SMF/RCW		2007-TCE_2018-08_C1

GROUNDWATER SCIENCES CORPORATION

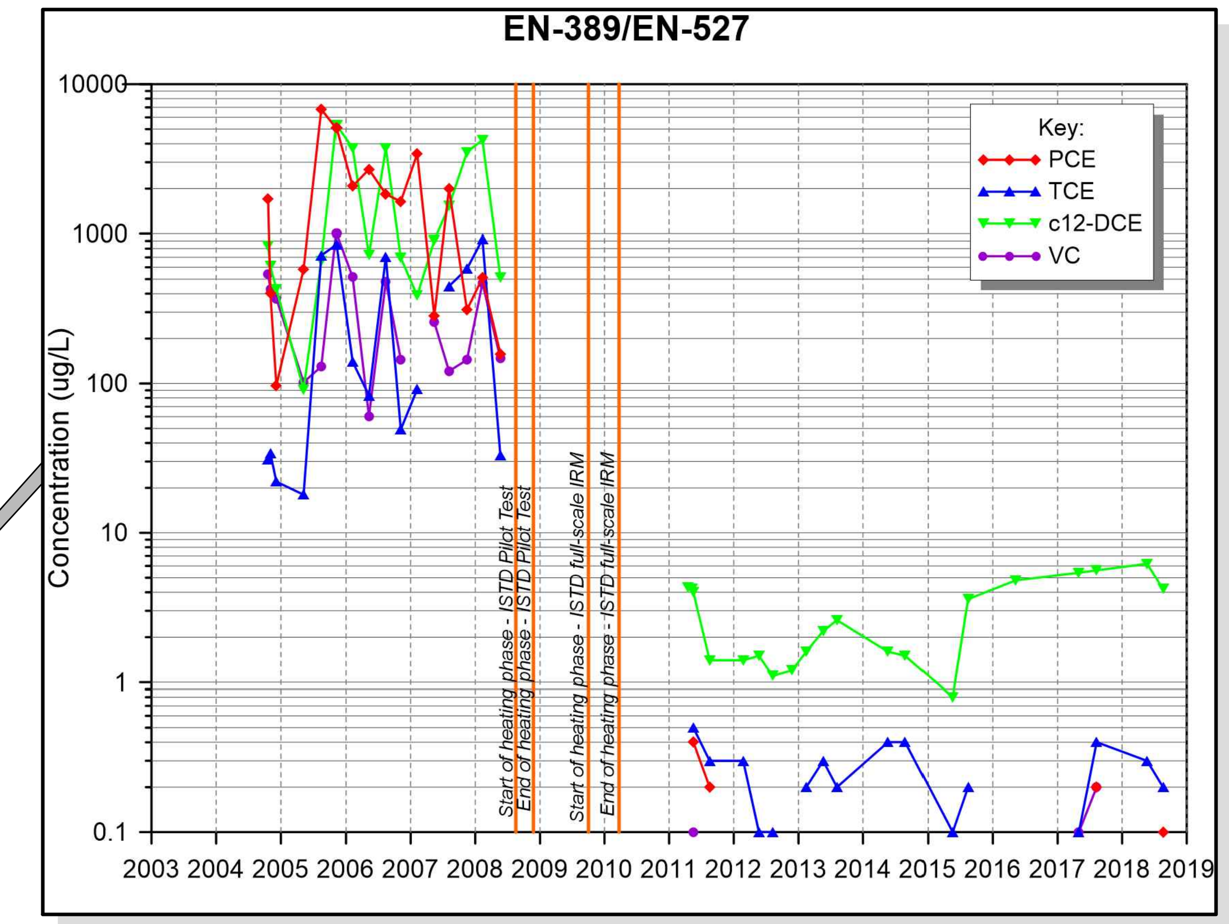


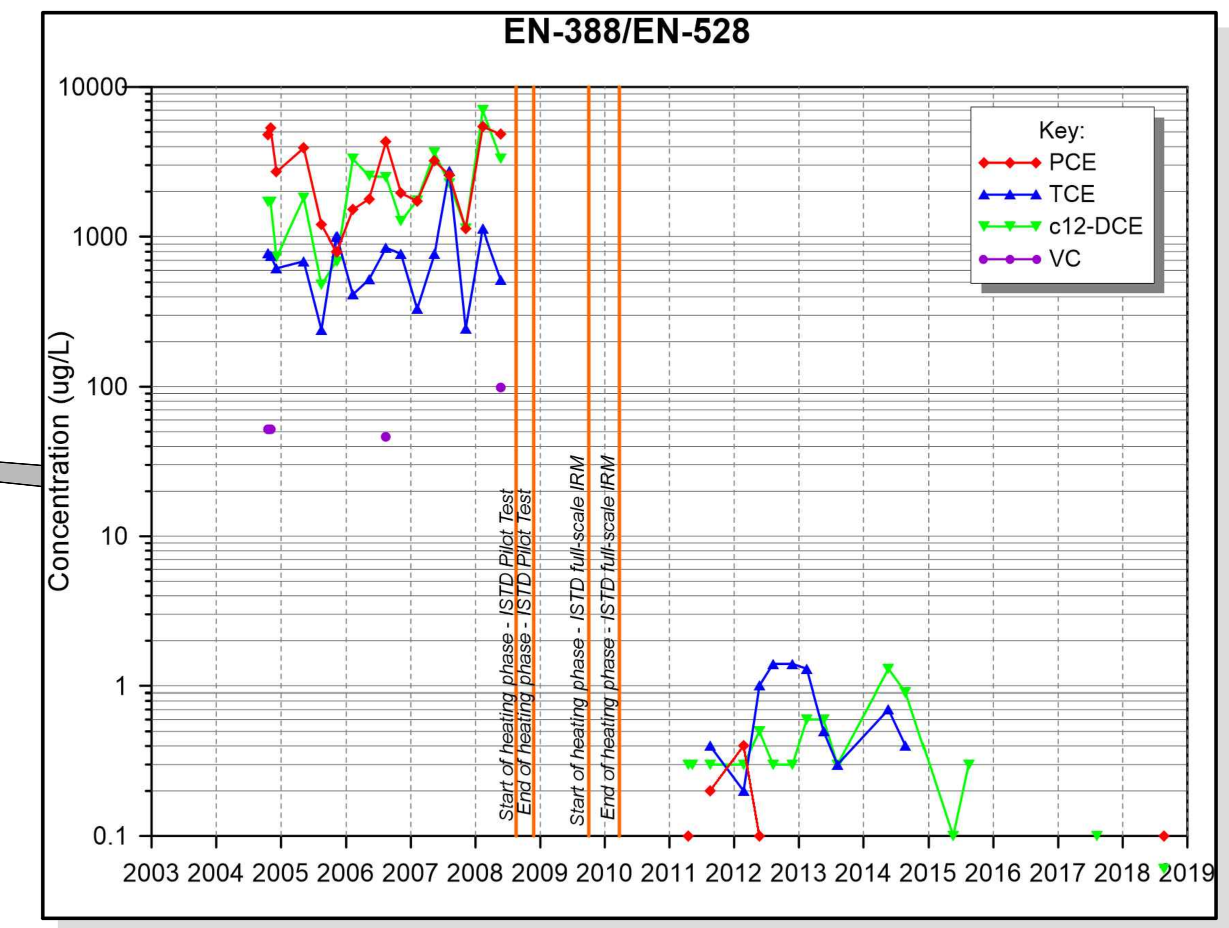


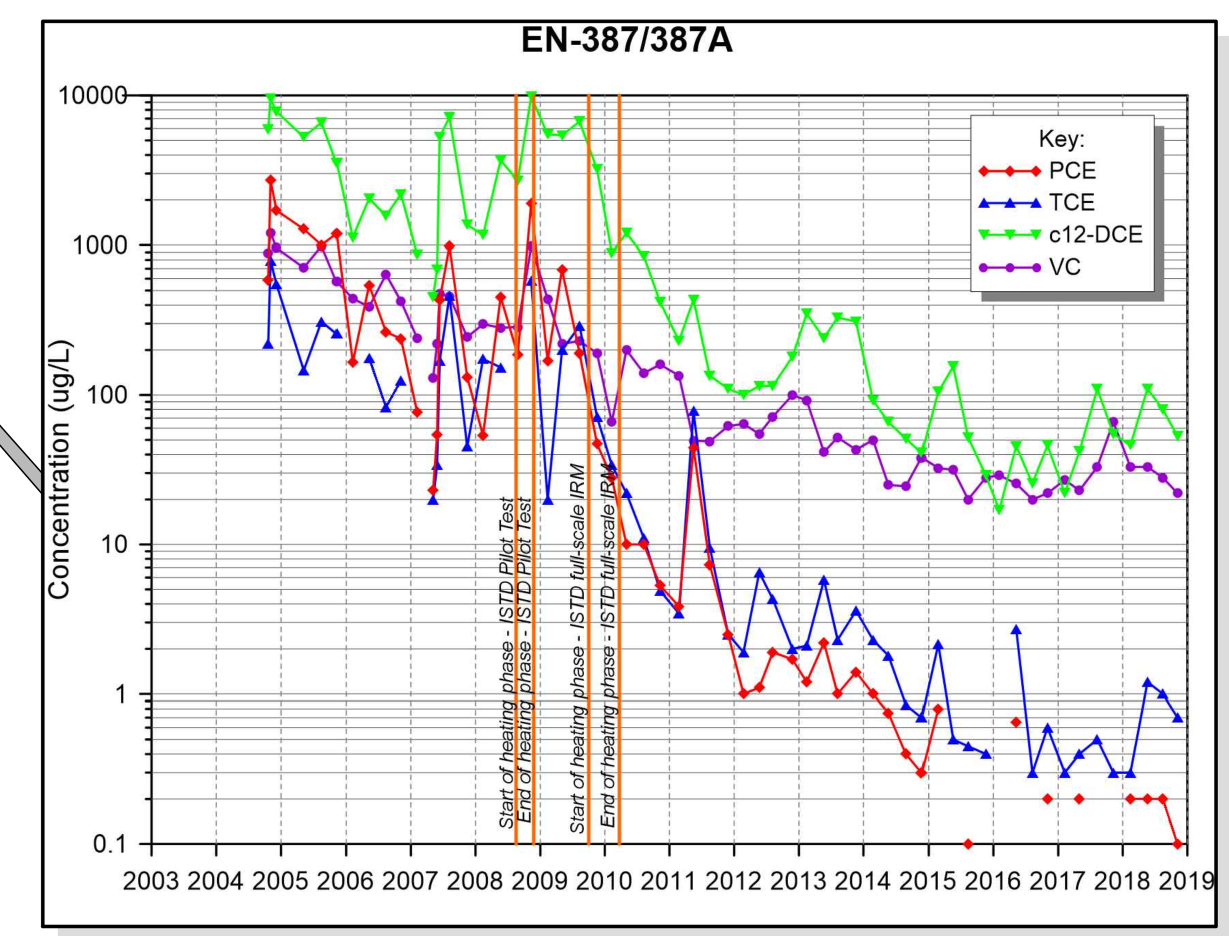




OU#4 Location Map







LEGEND

PCE - Tetrachloroethene
TCE - Trichloroethene
c12DCE - cis-1,2-Dichloroethene
VC - Vinyl Chloride
Upper Aquifer Monitoring Well
Active Upper Aquifer Extraction Well
Inactive Upper Aquifer Extraction Well
Former Endicott Forging Property
Former Ideal Cleaners Property
Capture Zone Area
Parcel Boundary
Former Source Area Monitoring Well
Upgradient Monitoring Well
Downgradient Monitoring Well
Side-Gradient Monitoring Well
5 - c12DCE Concentration Contour (µg/l; August 2018)
2 - VC Concentration Contour (µg/l; August 2018; dashed where inferred)

Scale 0' 100' 200'

Plate 6-3

Former IBM Endicott Site
Site #704014

OU#4 Location Map and
Time vs. Concentration Graphs
(2003 to 2018)

DRAWN BY: MHM/JPB | DATE: 4/3/19 | DRAWING NO.
CHECKED & APPROVED BY: SME/CAR | 22007-397-H1

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APPENDIX A

Table A-1: Pumping Volumes for Groundwater Extraction and Injection Wells, 2018

Table A-2: Mass Removal Data for Volatile Organic Compounds, 2018

Table A-1: Groundwater Extraction Volumes (gallons)
Endicott, New York - Site #704014
January 2018 to December 2018

Period		OU#1/OU#2 - Northern Capture Zone					OU#2/MA-A - Southern Capture Zone		
from	to	EN-107R	EN-114T	EN-219R	EN-253R	EN-428	EN-276R	EN-276	EN-284P
1-Jan-18	31-Jan-18	26,603	1,750,177	982,462	12,064	16,934	98,053	115,297	1,375,824
1-Feb-18	28-Feb-18	34,054	1,375,237	947,773	10,343	37,629	119,101	126,115	918,912
1-Mar-18	31-Mar-18	56,972	1,315,762	1,050,766	14,317	48,512	213,773	157,607	1,022,293
1-Apr-18	30-Apr-18	57,635	1,258,529	1,010,112	12,998	36,075	242,182	152,185	1,026,302
1-May-18	31-May-18	43,609	1,200,008	784,195	17,634	18,244	207,531	132,443	962,392
1-Jun-18	30-Jun-18	-	1,309,706	867,154	15,319	15,460	188,794	115,931	894,004
1-Jul-18	31-Jul-18	-	1,268,428	908,728	19,035	36,652	178,941	137,813	920,871
1-Aug-18	31-Aug-18	-	1,959,437	1,118,211	35,622	32,869	214,904	204,906	1,141,556
1-Sep-18	30-Sep-18	-	1,735,012	1,247,607	24,446	27,667	217,430	220,564	1,353,993
1-Oct-18	31-Oct-18	-	2,096,143	862,544	11,415	38,188	201,738	218,593	1,580,035
1-Nov-18	30-Nov-18	-	2,533,269	773,257	9,564	38,477	155,666	174,357	1,571,588
1-Dec-18	31-Dec-18	-	2,920,581	1,190,178	21,975	6,284	173,695	172,404	1,749,018
12-Month Volume (gal)		218,873	20,722,289	11,742,987	204,732	352,991	2,211,808	1,928,215	14,516,788
***Average Rate (gpm)**		1.0	39.4	22.3	0.4	0.7	4.2	3.7	27.6

Period		Former Offsite Plume Capture Area							OU#5	OU#6
from	to	EN-091T	EN-133	EN-194	EN-215T	EN-447T	EN-451P	EN-491T	EN-709	EN-D49
1-Jan-18	31-Jan-18	121,475	3,598,889	500,005	2,886,944	6,399,420	28,103	649,810	326,310	1,111,815
1-Feb-18	28-Feb-18	-	2,520,743	217,879	1,864,787	5,702,320	-	400,562	308,293	1,003,752
1-Mar-18	31-Mar-18	-	2,758,941	91,668	1,547,767	6,198,792	-	370,479	306,095	1,109,839
1-Apr-18	30-Apr-18	-	2,590,302	-	1,308,509	5,458,663	-	586,906	376,740	1,064,237
1-May-18	31-May-18	-	2,291,402	-	1,272,708	4,706,614	-	617,827	394,885	1,081,408
1-Jun-18	30-Jun-18	-	-	-	1,056,358	4,451,565	-	446,857	374,958	1,065,013
1-Jul-18	31-Jul-18	-	-	-	-	5,297,360	-	639,188	379,101	1,075,683
1-Aug-18	31-Aug-18	-	-	-	-	5,548,414	-	611,207	365,388	1,086,425
1-Sep-18	30-Sep-18	-	-	-	-	5,545,279	-	436,913	337,576	994,269
1-Oct-18	31-Oct-18	-	-	-	-	6,217,703	-	412,232	437,000	1,054,102
1-Nov-18	30-Nov-18	-	-	-	-	6,249,112	-	354,963	436,494	1,076,341
1-Dec-18	31-Dec-18	-	-	-	-	6,455,067	-	395,844	387,074	855,887
12-Month Volume (gal)		121,475	13,760,277	809,552	9,937,073	68,230,309	28,103	5,922,788	4,429,914	12,578,771
***Average Rate (gpm)**		2.7	63.3	9.5	45.7	129.8	0.6	11.3	8.4	23.9

* Average Rate is based on full months of pumping only.

Volume Extracted from January 1, 2018 through December 31, 2018:

Clark Street GTF	37,452,913	Upper Aquifer Extraction Wells EN-219R, EN-253R, EN-428, EN-709, EN-114T
Huron OTF	218,873	Upper Aquifer Extraction Well EN-107R
Garfield Avenue GTF	29,403,436	Upper Aquifer Extraction Wells EN-194, EN-215T, EN-276, EN-276R, EN-284P
Jefferson Avenue GTF	13,909,855	Upper Aquifer Extraction Wells EN-91T, EN-133, EN-451P
Adams Avenue GTF	74,153,097	Upper Aquifer Extraction Wells EN-447T, EN-491T
Adams Avenue GTF	12,578,771	Bedrock Extraction Well EN-D49
Total	167,716,945	gallons (all wells)

Table A-2: Mass Removal Data for Volatile Organic Compounds
Endicott, New York - Site #704014
January 2018 to December 2018

		Chemical Concentrations (ug/l)												Pounds of Chemicals Removed														
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)	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)	Period	Location	Pounds Removed January - December 2018
EN-091T	Jan-18	0.5	1.5	0.5	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	121,475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jan-18	EN-091T	0.0
Jefferson Ave GTF	Feb-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Feb-18	Jefferson Ave GTF	
	Mar-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Mar-18		
	Apr-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr-18		
	May-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	May-18		
	Jun-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		
EN-133	Jan-18	1.2	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3,598,889	0.04	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	Jan-18	EN-133	0.3
Jefferson Ave GTF	Feb-18	1.5	0.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2,520,743	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	Feb-18	Jefferson Ave GTF	
	Mar-18	1.5	0.8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2,758,941	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	Mar-18		
	Apr-18	2.0	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2,590,302	0.04	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.07	Apr-18		
	May-18	1.6	0.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2,291,402	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	May-18		
	Jun-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		
EN-451P	Jan-18	0.7	1.0	0.4	0.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	28,103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jan-18	EN-451P	0.0
Jefferson Ave GTF	Feb-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Feb-18	Jefferson Ave GTF	
	Mar-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Mar-18		
	Apr-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr-18		
	May-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	May-18		
	Jun-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		
EN-194	Jan-18	0.5	1.6	0.4	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	500,005	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	Jan-18	EN-194	0.0
Garfield Ave GTF	Feb-18	0.6	1.6	0.9	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.0	217,879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	Feb-18	Garfield Ave GTF	
	Mar-18	0.9	2.1	1.1	0.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	91,668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Mar-18		
	Apr-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr-18		
	May-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	May-18		
	Jun-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		

Table A-2: Mass Removal Data for Volatile Organic Compounds
Endicott, New York - Site #704014
January 2018 to December 2018

Location	Period	Chemical Concentrations (ug/l) 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)	Pounds of Chemicals Removed 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)	Period	Location	Pounds Removed January - December 2018
EN-215T Garfield Ave GTF	Jan-18	0.3	1.0	0.2	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	2,886,944	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	Jan-18	EN-215T Garfield Ave GTF	0.2
	Feb-18	0.2	1.2	0.2	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	1,864,787	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Feb-18		
	Mar-18	0.2	1.3	0.2	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	1,547,767	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	Mar-18		
	Apr-18	0.2	1.7	0.3	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	1,308,509	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Apr-18		
	May-18	0.2	1.7	0.4	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	1,272,708	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	May-18		
	Jun-18	0.2	1.7	0.5	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	1,056,358	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		
EN-276R Garfield Ave GTF	Jan-18	12.0	190.0	91.0	0.0	77.0	100.0	16.0	0.0	4.3	0.0	1.9	98,053	0.01	0.16	0.07	0.00	0.06	0.08	0.01	0.00	0.00	0.00	0.00	0.40	Jan-18	EN-276R Garfield Ave GTF	5.6
	Feb-18	24.0	95.0	69.0	0.3	42.0	63.0	13.0	0.0	27.0	1.7	1.1	119,101	0.02	0.09	0.07	0.00	0.04	0.06	0.01	0.00	0.03	0.00	0.00	0.33	Feb-18		
	Mar-18	36.0	63.0	42.0	0.2	24.0	32.0	8.7	0.0	88.0	1.4	0.9	213,773	0.06	0.11	0.07	0.00	0.04	0.06	0.02	0.00	0.16	0.00	0.00	0.53	Mar-18		
	Apr-18	58.0	110.0	50.0	0.0	33.0	40.0	6.7	0.0	170.0	1.3	1.1	242,182	0.12	0.22	0.10	0.00	0.07	0.08	0.01	0.00	0.34	0.00	0.00	0.95	Apr-18		
	May-18	56.0	130.0	39.0	0.0	22.0	33.0	4.2	0.0	70.0	0.7	0.9	207,531	0.10	0.23	0.07	0.00	0.04	0.06	0.01	0.00	0.12	0.00	0.00	0.62	May-18		
	Jun-18	40.0	110.0	44.0	0.0	25.0	43.0	5.8	0.0	23.0	0.7	1.0	188,794	0.06	0.17	0.07	0.00	0.04	0.07	0.01	0.00	0.04	0.00	0.00	0.46	Jun-18		
	Jul-18	35.0	120.0	51.0	0.0	29.0	48.0	7.5	0.0	18.0	0.8	1.1	178,941	0.05	0.18	0.08	0.00	0.04	0.07	0.01	0.00	0.03	0.00	0.00	0.46	Jul-18		
	Aug-18	27.0	82.0	37.0	0.0	19.0	31.0	4.4	0.0	36.0	0.7	0.9	214,904	0.05	0.15	0.07	0.00	0.03	0.06	0.01	0.00	0.06	0.00	0.00	0.43	Aug-18		
	Sep-18	16.0	150.0	30.0	0.0	22.0	22.0	2.7	0.0	4.6	0.4	0.8	217,430	0.03	0.27	0.05	0.00	0.04	0.04	0.00	0.00	0.01	0.00	0.00	0.45	Sep-18		
	Oct-18	13.0	110.0	30.0	0.0	20.0	25.0	2.8	0.0	2.4	0.4	0.9	201,738	0.02	0.19	0.05	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.34	Oct-18		
	Nov-18	13.0	120.0	35.0	0.0	28.0	32.0	3.7	0.0	2.0	0.4	1.2	155,666	0.02	0.16	0.05	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.31	Nov-18		
	Dec-18	12.0	82.0	40.0	0.0	32.0	39.0	4.4	0.0	1.7	0.5	1.3	173,695	0.02	0.12	0.06	0.00	0.05	0.06	0.01	0.00	0.00	0.00	0.00	0.31	Dec-18		
EN-276 Garfield Ave GTF	Jan-18	79.0	11.0	8.3	0.5	3.8	2.7	1.2	0.0	82.0	1.4	0.0	115,297	0.08	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.18	Jan-18	EN-276 Garfield Ave GTF	2.2
	Feb-18	67.0	11.0	8.0	0.5	2.6	2.2	0.9	0.0	43.0	0.9	0.0	126,115	0.07	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.14	Feb-18		
	Mar-18	29.0	6.8	6.5	0.3	1.5	1.3	0.4	0.0	4.7	0.4	0.0	157,607	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07	Mar-18		
	Apr-18	23.0	7.2	7.0	0.5	1.6	0.9	0.3	0.0	4.9	0.4	0.0	152,185	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	Apr-18		
	May-18	23.0	6.0	5.7	0.3	1.2	0.8	0.3	0.0	6.6	0.4	0.0	132,443	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.05	May-18		
	Jun-18	45.0	7.6	5.5	0.3	1.9	1.2	0.8	0.0	84.0	0.9	0.0	115,931	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.14	Jun-18		
	Jul-18	60.0	9.2	6.3	0.3	2.1	1.3	0.8	0.0	110.0	1.0	0.0	137,813	0.07	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.22	Jul-18		
	Aug-18	61.0	7.8	5.1	0.3	1.7	1.1	0.6	0.0	80.0	0.7	0.0	204,906	0.10	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.27	Aug-18		
	Sep-18	76.0	9.3	3.9	0.2	3.7	1.0	0.9	0.0	110.0	1.0	0.0	220,564	0.14	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.38	Sep-18		
	Oct-18	50.0	9.2	4.2	0.2	2.9	1.0	0.8	0.0	71.0	1.0	0.0	218,593	0.09	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.13	0.00	0.00	0.26	Oct-18		
	Nov-18	68.0	9.4	5.6	0.3	3.6	2.2	0.9	0.0	72.0	0.9	0.2	174,357	0.10	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.10	0.00	0.00	0.24	Nov-18		
	Dec-18	50.0	7.8	6.2	0.4	3.5	2.6	0.9	0.0	50.0	0.9	0.1	172,404	0.07	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.07	0.00	0.00	0.18	Dec-18		
EN-284P Garfield Ave GTF	Jan-18	2.0	27.0	23.0	0.0	14.0	21.0	3.4	0.0	0.5	0.2	0.2	1,375,824	0.02	0.31	0.26	0.00	0.16	0.24	0.04	0.00	0.01	0.00	0.00	1.05	Jan-18	EN-284P Garfield Ave GTF	26.9
	Feb-18	2.5	45.0	39.0	0.0	22.0	34.0	6.3	0.0	0.8	0.3	0.4	918,912	0.02	0.35	0.30	0.00	0.17	0.26	0.05	0.00	0.01	0.00	0.00	1.15	Feb-18		
	Mar-18	2.9	57.0	57.0	0.0	26.0	48.0	7.7	0.0	0.8	0.4	0.6	1,022,293	0.02	0.49	0.49	0.00	0.22	0.41	0.07	0.00	0.01	0.00	0.01	1.71	Mar-18		
	Apr-18	2.7	74.0	96.0	0.0	40.0	74.0	11.0	0.0	1.3	0.7	1.1	1,026,302	0.02	0.63	0.82	0.00	0.34	0.63	0.09	0.00	0.01	0.01	0.01	2.58	Apr-18		
	May-18	2.4	74.0	85.0	0.0	28.0	58.0	8.0	0.0	0.8	0.6	1.1	962,392	0.02	0.59	0.68	0.00	0.23	0.47	0.06	0.00	0.01	0.00	0.01	2.07	May-18		
	Jun-18	2.6	82.0	94.0	0.0	27.0	60.0	8.6	0.0	0.8	0.6	1.2	894,004	0.02	0.61	0.70	0.00	0.20	0.45	0.06	0.00	0.01	0.00	0.01	2.07	Jun-18		
	Jul-18	2.8	89.0	96.0	0.0	27.0	58.0	9.4	0.0	0.9	0.7	0.8	920,871	0.02	0.68	0.74	0.00	0.21	0.45	0.07	0.00	0.01	0.01	0.01	2.19	Jul-18		
	Aug-18	2.6	71.0	83.0	0.0	21.0	48.0	7.5	0.0	0.6	0.6	1.0	1,141,556	0.02	0.68	0.79	0.00	0.20	0.46	0.07	0.00	0.01	0.01	0.01	2.24	Aug-18		
	Sep-18	2.5	70.0	61.0	0.0	20.0	48.0	5.8	0.0	0.6	0.6	1.0	1,353,993	0.03	0.79	0.69	0.00	0.23	0.54	0.07	0.00	0.01	0.01	0.01	2.37	Sep-18		
	Oct-18	2.4	71.0	67.0	0.0	18.0	49.0	5.7	0.0	0.5	0.5	1.0	1,580,035	0.03	0.94	0.88	0.00	0.24	0.65	0.08	0.00	0.01	0.01	0.01	2.84	Oct-18		
	Nov-18	3.0	77.0	74.0	0.0	19.0	48.0	5.5	0.0	0.5	0.4	0.9	1,571,588	0.04	1.01	0.97	0.00	0.25	0.63	0.07	0.00	0.01	0.01	0.01	3.00	Nov-18		
	Dec-18	3.2	74.0	83.0	0.0	21.0	60.0	5.6	0.0	0.6	0.4	0.8	1,749,018	0.05	1.08	1.21	0.00	0.31	0.88	0.08	0.00	0.01	0.01	0.01	3.63	Dec-18		

Table A-2: Mass Removal Data for Volatile Organic Compounds
Endicott, New York - Site #704014
January 2018 to December 2018

Location	Period	Chemical Concentrations (ug/l): 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)	Pounds of Chemicals Removed: 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)	Period	Location	Pounds Removed January - December 2018
EN-447T	Jan-18	1.6	0.8	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	6,399,420	0.09	0.04	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Jan-18	EN-447T	1.9
Adams Ave GTF	Feb-18	1.6	0.8	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5,702,320	0.08	0.04	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Feb-18	Adams Ave GTF	
	Mar-18	1.9	1.1	0.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	6,198,792	0.10	0.06	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.20	Mar-18		
	Apr-18	1.6	1.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	5,458,663	0.07	0.05	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Apr-18		
	May-18	1.6	0.8	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	4,706,614	0.06	0.03	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.13	May-18		
	Jun-18	1.5	1.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	4,451,565	0.06	0.04	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.12	Jun-18		
	Jul-18	1.6	1.1	0.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	5,297,360	0.07	0.05	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Jul-18		
	Aug-18	1.5	1.1	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5,548,414	0.07	0.05	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Aug-18		
	Sep-18	1.4	1.0	0.2	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	5,545,279	0.06	0.05	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.15	Sep-18		
	Oct-18	1.3	1.0	0.2	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	6,217,703	0.07	0.05	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.16	Oct-18		
	Nov-18	1.5	1.1	0.2	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	6,249,112	0.08	0.06	0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.18	Nov-18		
	Dec-18	1.5	1.1	0.3	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	6,455,067	0.08	0.06	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.19	Dec-18		
EN-491T	Jan-18	3.8	1.2	0.7	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	649,810	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Jan-18	EN-491T	0.4
Adams Ave GTF	Feb-18	3.2	1.3	1.1	0.2	0.7	0.3	0.0	0.0	0.0	0.0	0.0	400,562	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	Feb-18	Adams Ave GTF	
	Mar-18	3.4	1.6	1.1	0.2	0.7	0.3	0.0	0.0	0.0	0.0	0.0	370,479	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	Mar-18		
	Apr-18	3.3	1.8	1.2	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	586,906	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Apr-18		
	May-18	3.0	2.2	1.2	0.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0	617,827	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	May-18		
	Jun-18	3.0	2.2	1.1	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	446,857	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	Jun-18		
	Jul-18	3.2	2.2	1.4	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	639,188	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Jul-18		
	Aug-18	3.0	2.1	1.2	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	611,207	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	Aug-18		
	Sep-18	3.7	1.8	0.8	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	436,913	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	Sep-18		
	Oct-18	3.3	1.7	0.9	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	412,232	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	Oct-18		
	Nov-18	4.8	1.8	1.0	0.0	0.5	0.2	0.0	0.0	0.0	0.1	0.0	354,963	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	Nov-18		
	Dec-18	5.5	1.9	1.1	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	395,844	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	Dec-18		
EN-D49	Jan-18	0.0	1.0	160.0	46.0	0.0	4.3	2.7	1.6	0.0	0.0	0.9	1,111,815	0.00	0.01	1.49	0.43	0.00	0.04	0.03	0.01	0.00	0.00	0.01	2.01	Jan-18	EN-D49	23.5
Adams Ave GTF	Feb-18	0.0	1.1	140.0	41.0	0.4	4.1	3.5	1.5	0.5	0.6	0.4	1,003,752	0.00	0.01	1.17	0.34	0.00	0.03	0.03	0.01	0.00	0.01	0.00	1.62	Feb-18	Adams Ave GTF	
	Mar-18	0.0	0.9	150.0	36.0	0.4	3.8	2.7	1.1	0.0	0.4	1.0	1,109,839	0.00	0.01	1.39	0.33	0.00	0.04	0.03	0.01	0.00	0.00	0.01	1.82	Mar-18		
	Apr-18	0.0	1.1	190.0	58.0	0.5	4.6	3.0	1.6	0.4	0.6	0.9	1,064,237	0.00	0.01	1.69	0.52	0.00	0.04	0.03	0.01	0.00	0.01	0.01	2.32	Apr-18		
	May-18	0.0	1.1	160.0	38.0	0.4	4.3	2.3	1.3	0.0	0.4	1.3	1,081,408	0.00	0.01	1.44	0.34	0.00	0.04	0.02	0.01	0.00	0.00	0.01	1.89	May-18		
	Jun-18	0.0	1.1	180.0	42.0	0.4	4.4	2.7	1.3	0.0	0.5	1.1	1,065,013	0.00	0.01	1.60	0.37	0.00	0.04	0.02	0.01	0.00	0.00	0.01	2.08	Jun-18		
	Jul-18	0.0	1.2	190.0	49.0	0.4	4.7	3.3	1.4	0.4	0.6	0.7	1,075,683	0.00	0.01	1.71	0.44	0.00	0.04	0.03	0.01	0.00	0.01	0.01	2.26	Jul-18		
	Aug-18	0.0	1.1	170.0	40.0	0.4	4.4	2.7	1.4	0.0	0.5	0.8	1,086,425	0.00	0.01	1.54	0.36	0.00	0.04	0.02	0.01	0.00	0.00	0.01	2.01	Aug-18		
	Sep-18	0.0	0.9	160.0	43.0	0.4	3.9	2.5	1.3	0.3	0.5	1.5	994,269	0.00	0.01	1.33	0.36	0.00	0.03	0.02	0.01	0.00	0.00	0.01	1.78	Sep-18		
	Oct-18	0.0	1.1	170.0	38.0	0.4	5.0	3.7	1.2	0.6	0.7	0.7	1,054,102	0.00	0.01	1.50	0.33	0.00	0.04	0.03	0.01	0.01	0.01	0.01	1.95	Oct-18		
	Nov-18	0.0	1.0	170.0	45.0	0.4	4.6	3.8	1.2	0.6	0.7	0.6	1,076,341	0.00	0.01	1.53	0.40	0.00	0.04	0.03	0.01	0.01	0.01	0.01	2.05	Nov-18		
	Dec-18	0.0	1.2	180.0	50.0	0.2	3.5	3.0	1.2	0.3	0.5	1.1	855,887	0.00	0.01	1.29	0.36	0.00	0.03	0.02	0.01	0.00	0.00	0.01	1.72	Dec-18		
EN-107R	Jan-18	390.0	55.0	3200.0	180.0	53.0	0.0	11.0	0.0	190.0	0.0	150.0	26,603	0.09	0.01	0.71	0.04	0.01	0.00	0.00	0.00	0.04	0.00	0.03	0.94	Jan-18	EN-107R	3.2
Huron OTF	Feb-18	730.0	76.0	2600.0	150.0	41.0	0.0	0.0	0.0	190.0	0.0	256.0	34,054	0.21	0.02	0.74	0.04	0.01	0.00	0.00	0.00	0.05	0.00	0.07	1.15	Feb-18	Huron OTF	
	Mar-18	230.0	24.0	830.0	56.0	15.0	0.0	2.9	0.0	69.0	0.0	84.0	56,972	0.11	0.01	0.39	0.03	0.01	0.00	0.00	0.00	0.03	0.00	0.04	0.62	Mar-18		
	Apr-18	56.0	7.1	470.0	50.0	11.0	0.0	1.3	0.0	38.0	0.0	55.0	57,635	0.03	0.00	0.23	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.03	0.33	Apr-18		
	May-18	42.0	6.6	390.0	34.0	8.9	0.0	1.5	0.0	30.0	0.0	20.1	43,609	0.02	0.00	0.14	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.19	May-18		
	Jun-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jun-18		
	Jul-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Jul-18		
	Aug-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Aug-18		
	Sep-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sep-18		
	Oct-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Oct-18		
	Nov-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nov-18		
	Dec-18												-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Dec-18		

Table A-2: Mass Removal Data for Volatile Organic Compounds
Endicott, New York - Site #704014
January 2018 to December 2018

Location	Period	Chemical Concentrations (ug/l) 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)	Pounds of Chemicals Removed 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)	Period	Location	Pounds Removed January - December 2018
EN-114T	Jan-18	4.7	0.0	590.0	180.0	1100.0	190.0	14.0	11.0	41.0	4.7	6.1	1,750,177	0.07	0.00	8.62	2.63	16.08	2.78	0.20	0.16	0.60	0.07	0.09	31.30	Jan-18	EN-114T	307.4
	Feb-18	3.7	1.2	520.0	170.0	890.0	190.0	13.0	6.9	46.0	4.6	9.5	1,375,237	0.04	0.01	5.97	1.95	10.22	2.18	0.15	0.08	0.53	0.05	0.11	21.30	Feb-18		
	Mar-18	2.7	1.2	370.0	83.0	510.0	120.0	7.4	2.5	36.0	4.0	7.3	1,315,762	0.03	0.01	4.07	0.91	5.60	1.32	0.08	0.03	0.40	0.04	0.08	12.57	Mar-18		
	Apr-18	3.7	1.7	510.0	220.0	890.0	230.0	14.0	6.9	51.0	6.2	11.0	1,258,529	0.04	0.02	5.36	2.31	9.35	2.42	0.15	0.07	0.54	0.07	0.12	20.43	Apr-18		
	May-18	3.3	1.8	660.0	200.0	860.0	230.0	14.0	5.9	55.0	6.0	13.7	1,200,008	0.03	0.02	6.61	2.00	8.62	2.30	0.14	0.06	0.55	0.06	0.14	20.54	May-18		
	Jun-18	3.3	1.9	710.0	240.0	1000.0	250.0	16.0	5.3	50.0	6.5	9.4	1,309,706	0.04	0.02	7.76	2.62	10.94	2.73	0.17	0.06	0.55	0.07	0.10	25.07	Jun-18		
Clark St GTF	Jul-18	2.5	1.6	450.0	120.0	370.0	100.0	8.1	1.6	29.0	4.0	4.8	1,268,428	0.03	0.02	4.77	1.27	3.92	1.06	0.09	0.02	0.31	0.04	0.05	11.56	Jul-18	Clark St GTF	
	Aug-18	3.1	3.0	780.0	210.0	790.0	210.0	15.0	3.3	49.0	6.4	7.3	1,959,437	0.05	0.05	12.76	3.44	12.93	3.44	0.25	0.05	0.80	0.10	0.12	33.98	Aug-18		
	Sep-18	4.5	3.1	640.0	210.0	1000.0	210.0	16.0	3.3	54.0	6.1	9.6	1,735,012	0.07	0.04	9.27	3.04	14.49	3.04	0.23	0.05	0.78	0.09	0.14	31.24	Sep-18		
	Oct-18	4.3	3.3	800.0	240.0	1300.0	320.0	25.0	4.3	73.0	6.9	9.6	2,096,143	0.08	0.06	14.00	4.20	22.75	5.60	0.44	0.08	1.28	0.12	0.17	48.77	Oct-18		
	Nov-18	2.7	1.5	280.0	110.0	500.0	130.0	9.4	1.6	41.0	3.3	5.8	2,533,269	0.06	0.03	5.92	2.33	10.58	2.75	0.20	0.03	0.87	0.07	0.12	22.96	Nov-18		
	Dec-18	2.3	1.3	340.0	110.0	500.0	140.0	6.7	3.8	23.0	2.6	5.9	2,920,581	0.06	0.03	8.29	2.68	12.19	3.41	0.16	0.09	0.56	0.06	0.14	27.69	Dec-18		
EN-219R	Jan-18	0.0	390.0	2100.0	220.0	9400.0	920.0	140.0	440.0	88.0	0.0	0.0	982,462	0.00	3.20	17.23	1.80	77.11	7.55	1.15	3.61	0.72	0.00	0.00	112.37	Jan-18	EN-219R	1397.1
	Feb-18	0.0	370.0	2100.0	250.0	10000.0	910.0	140.0	490.0	140.0	0.0	21.0	947,773	0.00	2.93	16.62	1.98	79.14	7.20	1.11	3.88	1.11	0.00	0.17	114.13	Feb-18		
	Mar-18	0.0	230.0	1200.0	100.0	7000.0	520.0	99.0	180.0	110.0	0.0	0.0	1,050,766	0.00	2.02	10.53	0.88	61.42	4.56	0.87	1.58	0.97	0.00	0.00	82.82	Mar-18		
	Apr-18	0.0	480.0	2300.0	220.0	11000.0	740.0	140.0	360.0	110.0	0.0	0.0	1,010,112	0.00	4.05	19.40	1.86	92.78	6.24	1.18	3.04	0.93	0.00	0.00	129.47	Apr-18		
	May-18	0.0	660.0	2500.0	210.0	11000.0	760.0	160.0	360.0	110.0	0.0	0.0	784,195	0.00	4.32	16.37	1.38	72.03	4.98	1.05	2.36	0.72	0.00	0.00	103.20	May-18		
	Jun-18	0.0	540.0	2400.0	200.0	10000.0	630.0	140.0	350.0	100.0	0.0	0.0	867,154	0.00	3.91	17.38	1.45	72.41	4.56	1.01	2.53	0.72	0.00	0.00	103.98	Jun-18		
Clark St GTF	Jul-18	0.0	430.0	2000.0	160.0	9800.0	590.0	92.0	330.0	100.0	0.0	31.0	908,728	0.00	3.26	15.18	1.21	74.36	4.48	0.70	2.50	0.76	0.00	0.24	102.69	Jul-18	Clark St GTF	
	Aug-18	0.0	520.0	2100.0	190.0	13000.0	630.0	120.0	340.0	77.0	0.0	0.0	1,118,211	0.00	4.86	19.61	1.77	121.38	5.88	1.12	3.17	0.72	0.00	0.00	158.52	Aug-18		
	Sep-18	0.0	600.0	2100.0	250.0	13000.0	760.0	140.0	420.0	83.0	22.0	13.0	1,247,607	0.00	6.25	21.88	2.60	135.43	7.92	1.46	4.38	0.86	0.23	0.14	181.14	Sep-18		
	Oct-18	0.0	350.0	1500.0	110.0	8900.0	540.0	87.0	200.0	79.0	19.0	10.0	862,544	0.00	2.52	10.80	0.79	64.10	3.89	0.63	1.44	0.57	0.14	0.07	84.95	Oct-18		
	Nov-18	0.0	410.0	1800.0	180.0	9900.0	600.0	110.0	220.0	110.0	20.0	12.0	773,257	0.00	2.65	11.62	1.16	63.92	3.87	0.71	1.42	0.71	0.13	0.08	86.27	Nov-18		
	Dec-18	0.0	790.0	2000.0	190.0	9800.0	590.0	110.0	210.0	110.0	25.0	14.0	1,190,178	0.00	7.85	19.88	1.89	97.39	5.86	1.09	2.09	1.09	0.25	0.14	137.53	Dec-18		
EN-253R	Jan-18	0.0	56.0	3400.0	780.0	16000.0	47000.0	290.0	88000.0	0.0	320.0	1371.0	12,064	0.00	0.01	0.34	0.08	1.61	4.73	0.03	8.86	0.00	0.03	0.14	15.84	Jan-18	EN-253R	148.7
	Feb-18	0.0	99.0	1800.0	640.0	16000.0	32000.0	230.0	60000.0	0.0	310.0	1040.0	10,343	0.00	0.01	0.16	0.06	1.38	2.76	0.02	5.18	0.00	0.03	0.09	9.68	Feb-18		
	Mar-18	0.0	67.0	2500.0	490.0	17000.0	28000.0	230.0	33000.0	0.0	240.0	1040.0	14,317	0.00	0.01	0.30	0.06	2.03	3.35	0.03	3.95	0.00	0.03	0.12	9.87	Mar-18		
	Apr-18	0.0	61.0	3500.0	960.0	27000.0	32000.0	340.0	59000.0	140.0	370.0	1415.0	12,998	0.00	0.01	0.38	0.10	2.93	3.47	0.04	6.40	0.02	0.04	0.15	13.54	Apr-18		
	May-18	0.0	60.0	2100.0	740.0	18000.0	34000.0	230.0	45000.0	0.0	230.0	1077.0	17,634	0.00	0.01	0.31	0.11	2.65	5.01	0.03	6.63	0.00	0.03	0.16	14.94	May-18		
	Jun-18	0.0	110.0	3500.0	830.0	16000.0	39000.0	330.0	49000.0	100.0	310.0	1491.0	15,319	0.00	0.01	0.45	0.11	2.05	4.99	0.04	6.27	0.01	0.04	0.19	14.16	Jun-18		
Clark St GTF	Jul-18	0.0	56.0	2100.0	630.0	16000.0	29000.0	200.0	43000.0	0.0	250.0	990.0	19,035	0.00	0.01	0.33	0.10	2.54	4.61	0.03	6.83	0.00	0.04	0.16	14.66	Jul-18	Clark St GTF	
	Aug-18	0.0	56.0	3300.0	520.0	12000.0	27000.0	150.0	29000.0	0.0	280.0	1290.0	35,622	0.00	0.02	0.98	0.15	3.57	8.03	0.04	8.63	0.00	0.08	0.38	21.89	Aug-18		
	Sep-18	0.0	30.0	2700.0	700.0	12000.0	21000.0	220.0	30000.0	72.0	290.0	951.0	24,446	0.00	0.01	0.55	0.14	2.45	4.29	0.04	6.12	0.01	0.06	0.19	13.87	Sep-18		
	Oct-18	0.0	49.0	5200.0	610.0	14000.0	23000.0	260.0	27000.0	31.0	160.0	1048.0	11,415	0.00	0.00	0.50	0.06	1.33	2.19	0.02	2.57	0.00	0.02	0.10	6.80	Oct-18		
	Nov-18	0.0	35.0	5000.0	630.0	19000.0	11000.0	270.0	10000.0	33.0	74.0	778.0	9,564	0.00	0.00	0.40	0.05	1.52	0.88	0.02	0.80	0.00	0.01	0.06	3.74	Nov-18		
	Dec-18	0.0	0.0	4100.0	560.0	16000.0	16000.0	190.0	15000.0	0.0	110.0	792.0	21,975	0.00	0.00	0.75	0.10	2.94	2.94	0.03	2.75	0.00	0.02	0.15	9.68	Dec-18		
EN-428	Jan-18	98.0	75.0	2100.0	220.0	100000.0	43000.0	500.0	9800.0	150.0	0.0	4748.0	16,934	0.01	0.01	0.30	0.03	14.14	6.08	0.07	1.39	0.02	0.00	0.67	22.72	Jan-18	EN-428	302.6
	Feb-18	77.0	0.0	2200.0	310.0	120000.0	29000.0	1100.0	7700.0	220.0	0.0	3827.0	37,629	0.02	0.00	0.69	0.10	37.70	9.11	0.35	2.42	0.07	0.00	1.20	51.67	Feb-18		
	Mar-18	0.0	0.0	1700.0	0.0	90000.0	19000.0	870.0	4400.0	0.0	0.0	2590.0	48,512	0.00	0.00	0.69	0.00	36.46	7.70	0.35	1.78	0.00	0.00	1.05	48.03	Mar-18		
	Apr-18	0.0	0.0	1400.0	0.0	79000.0	19000.0	440.0	3600.0	0.0	0.0	2430.0	36,075	0.00	0.00	0.42	0.00	23.80	5.72	0.13	1.08	0.00	0.00	0.73	31.89	Apr-18		
	May-18	0.0	0.0	1500.0	0.0	65000.0	15000.0	640.0	2100.0	0.0	0.0	3100.0	18,244	0.00	0.00	0.23	0.00	9.90	2.29	0.10	0.32	0.00	0.00	0.47	13.31	May-18		
	Jun-18	0.0	0.0	2100.0	0.0	74000.0	22000.0	870.0	3700.0	0.0	0.0	3990.0	15,460	0.00	0.00	0.27	0.00	9.55	2.84	0.11	0.48	0.00	0.00	0.52	13.77	Jun-18		
Clark St GTF	Jul-18	0.0	0.0	2200.0	0.0	82000.0	23000.0	870.0	3300.0	0.0	0.0	5010.0	36,652	0.00	0.00	0.67	0.00	25.10	7.04	0.27	1.01	0.00	0.00	1.53	35.62	Jul-18	Clark St GTF	
	Aug-18	0.0	0.0	2200.0	200.0	75000.0	25000.0	810.0	5100.0	0.0	0.0	2780.0	32,869	0.00	0.00	0.60	0.05	20.58	6.86	0.22	1.40	0.00	0.00	0.76	30.49	Aug-18		
	Sep-18	0.0	0.0	800.0	0.0	48000.0	15000.0	470.0	2600.0	130.0	0.0	1700.0	27,667	0.00	0.00	0.18	0.00	11.09	3.47	0.11	0.60	0.03	0.00	0.39	15.87	Sep-18		
	Oct-18	24.0	28.0	720.0	99.0	23000.0	16000.0	290.0	2200.0	88.0	35.0	1205.0	38,188	0.01	0.01	0.23	0.03	7.33	5.10	0.09	0.70	0.03	0.01	0.38	13.93	Oct-18		
	Nov-18	47.0	140.0	1200.0	300.0	30000.0	25000.0	280.0	15000.0	160.0	160.0	1159.0	38,477	0.02	0.04	0.39	0.10	9.64	8.03	0.09	4.82	0.05	0.05	0.37	23.60	Nov-18		
	Dec-18	37.0	28.0	970.0	230.0	8000.0	13000.0	200.0	9200.0	87.0	110.0	619.0	6,284	0.00	0.00	0.05	0.01	0.42	0.68	0.01	0.48	0.00	0.01	0.03	1.70	Dec-18		

Table A-2: Mass Removal Data for Volatile Organic Compounds
Endicott, New York - Site #704014
January 2018 to December 2018

		Chemical Concentrations (ug/l)												Pounds of Chemicals Removed														
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)	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)	Period	Location	Pounds Removed January - December 2018
EN-709	**Jan-18**	0.0	20.0	4.8	0.2	0.2	1.7	1.3	0.0	180.0	30.0	0.2	326,310	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.49	0.08	0.00	0.65	**Jan-18**	**EN-709**	**12.0**
	Feb-18	0.0	21.0	5.2	0.2	0.2	2.0	0.0	0.0	340.0	42.0	0.2	308,293	0.00	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.88	0.11	0.00	1.06	**Feb-18**		
	Mar-18	0.0	17.0	4.6	0.0	1.1	2.0	1.6	0.0	440.0	45.0	0.0	306,095	0.00	0.04	0.01	0.00	0.00	0.01	0.00	0.00	1.12	0.12	0.00	1.31	**Mar-18**		
	Apr-18	0.0	19.0	5.1	0.2	0.3	2.3	2.3	0.3	430.0	53.0	0.2	376,740	0.00	0.06	0.02	0.00	0.00	0.01	0.01	0.00	1.35	0.17	0.00	1.61	**Apr-18**		
	May-18	0.0	17.0	4.3	0.0	0.0	1.8	1.2	0.0	290.0	43.0	0.0	394,885	0.00	0.06	0.01	0.00	0.00	0.01	0.00	0.00	0.96	0.14	0.00	1.18	**May-18**		
Clark St GTF	**Jun-18**	0.0	17.0	4.2	0.0	0.0	1.8	1.1	0.0	270.0	41.0	0.0	374,958	0.00	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.85	0.13	0.00	1.05	**Jun-18**	**Clark St GTF**	
	Jul-18	0.0	17.0	4.4	0.0	0.0	1.9	1.1	0.0	270.0	39.0	0.0	379,101	0.00	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.85	0.12	0.00	1.06	**Jul-18**		
	Aug-18	0.0	17.0	4.8	0.0	0.0	1.8	1.0	0.0	190.0	34.0	0.0	365,388	0.00	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.58	0.10	0.00	0.76	**Aug-18**		
	Sep-18	0.0	16.0	3.1	0.0	0.0	1.6	1.1	0.0	250.0	37.0	0.0	337,576	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.70	0.10	0.00	0.87	**Sep-18**		
	Oct-18	0.0	16.0	4.0	0.0	0.0	1.8	1.0	0.0	170.0	37.0	0.0	437,000	0.00	0.06	0.01	0.00	0.00	0.01	0.00	0.00	0.62	0.14	0.00	0.84	**Oct-18**		
	Nov-18	0.0	18.0	4.5	0.0	0.0	1.7	1.0	0.0	220.0	31.0	0.0	436,494	0.00	0.07	0.02	0.00	0.00	0.01	0.00	0.00	0.80	0.11	0.00	1.01	**Nov-18**		
	Dec-18	0.0	17.0	4.1	0.0	0.0	1.5	0.6	0.0	130.0	23.0	0.5	387,074	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.42	0.07	0.00	0.57	**Dec-18**		
												Totals	**167,716,945**	**4.1**	**60.3**	**329.8**	**54.4**	**1385.7**	**219.6**	**17.9**	**114.4**	**29.6**	**3.6**	**12.6**	**2232**			

Acetone and THF were not included in the mass removal calcuations because these compounds are present in the materials used to repair and join pipe.
Values in italics are estimated (i.e., a sample was not collected for that month)

APPENDIX B

Table B-1: Physical Well Data and Well Specifications for Monitoring, Extraction, and Injection Wells

Table B-2: Specifications for Other Monitoring Wells

Table B-3: Annual Well Field Inspection Results

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
DOT-1	767787.6	967316.7	846.52	849.14	2.62	SP	North St (N side), in front of old Building 5	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	3.0	NA	NE	**DOT-1**	NE	Upper Aquifer
DOT-2	767738.5	967120.7	845.96	848.57	2.61	SP	North St (N side), in front of old Building 5	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	3.0	NA	NE	**DOT-2**	NE	Upper Aquifer
DOT-3	767724.8	967045.4	846.39	848.73	2.34	SP	North St (N side), in front of old Building 5	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	3.0	NA	NE	**DOT-3**	NE	Upper Aquifer
DOT-4	767712.7	966981.0	845.91	848.61	2.70	SP	North St (N side), in front of old Building 5	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	3.0	NA	NE	**DOT-4**	NE	Upper Aquifer
EN-002	767896.0	965175.6	839.73	842.54	2.81	SP	Fuel oil tank near RR tracks, E of Oak Hill Ave	23-Aug-79	22.0	14.0	8.0	6.0	14.0	8.0	4.0	0.018	PVC	4.0	PVC	14.0	**EN-002**	825.7	Upper Aquifer
EN-006	766868.9	966244.7	849.69	852.34	2.65	SP	Credit Union, between McKinley & Grant	29-Aug-79	42.0	33.0	8.0	15.0	33.0	18.0	4.0	0.018	PVC	4.0	PVC	33.0	**EN-006**	816.7	Upper Aquifer
EN-012	767813.4	965734.6	848.97	851.86	2.89	SP	Between Buildings 18 & 39	22-Jan-80	25.0	24.0	7.0	14.0	24.0	10.0	4.0	0.020	PVC	4.0	PVC	21.5	**EN-012**	827.5	Upper Aquifer
EN-013	767740.6	965756.2	849.20	851.93	2.73	SP	Between Buildings 18 & 39	23-Jan-80	22.0	22.0	7.0	13.0	22.0	9.0	4.0	0.020	PVC	4.0	PVC	20.5	**EN-013**	828.7	Upper Aquifer
EN-014	767673.4	965777.3	849.06	852.00	2.94	SP	Building 18 (W side)	23-Jan-80	23.0	23.1	7.0	13.0	23.0	10.0	4.0	0.020	PVC	4.0	PVC	22.2	**EN-014**	826.9	Upper Aquifer
EN-015	767579.0	965797.0	849.12	851.81	2.69	SP	Between Buildings 18 & 14	25-Jan-80	31.0	30.5	7.0	20.0	30.0	10.0	4.0	0.020	PVC	4.0	PVC	29.0	**EN-015**	820.1	Upper Aquifer
EN-016	767501.0	965816.7	849.41	852.22	2.81	SP	Between Buildings 18 & 14	25-Jan-80	30.0	30.0	7.0	20.0	30.0	10.0	4.0	0.020	PVC	4.0	PVC	29.5	**EN-016**	819.9	Upper Aquifer
EN-017	767469.7	965884.6	849.39	852.15	2.76	SP	Building 18 (SW corner)	28-Jan-80	27.0	25.5	7.0	15.5	25.5	10.0	4.0	0.020	PVC	4.0	PVC	23.5	**EN-017**	825.9	Upper Aquifer
EN-017A	767468.5	965881.1	849.70	849.46	-0.24	MH	Building 18 (SW corner)	21-Jul-05	29.0	23.0	8.0	22.0	23.0	1.0	2.0	0.020	PVC	2.0	PVC	23.0	**EN-017A**	826.7	Upper Aquifer
EN-018	767492.1	965981.4	848.82	851.45	2.63	SP	Building 18 (S side)	28-Jan-80	23.0	23.0	7.0	13.0	23.0	10.0	4.0	0.020	PVC	4.0	PVC	22.0	**EN-018**	826.8	Upper Aquifer
EN-019	767516.3	966085.1	849.66	852.34	2.68	SP	Building 18 (SE corner)	29-Jan-80	24.0	24.0	7.0	14.0	24.0	10.0	4.0	0.020	PVC	4.0	PVC	22.0	**EN-019**	827.7	Upper Aquifer
EN-020	767652.7	966078.8	848.52	851.30	2.78	SP	Building 18 (E side)	27-Jan-80	22.0	22.0	7.0	12.0	22.0	10.0	4.0	0.020	PVC	4.0	PVC	20.0	**EN-020**	828.5	Upper Aquifer
EN-020A	767646.5	966080.7	848.50	848.24	-0.26	MH	Alley on E side of Building	21-Jul-05	29.0	19.5	8.0	18.5	19.5	1.0	2.0	0.020	PVC	2.0	PVC	19.5	**EN-020A**	829.0	Upper Aquifer
EN-021	767842.4	966114.7	845.04	847.84	2.80	SP	Between Buildings 41 & 18	27-Jan-80	21.0	21.0	7.0	11.0	21.0	10.0	4.0	0.020	PVC	4.0	PVC	18.0	**EN-021**	827.0	Upper Aquifer
EN-022	765902.8	966142.3	841.99	844.48	2.49	SP	Building 699 (SW corner), on Grant St	26-Jan-80	27.0	23.0	7.0	15.0	23.0	8.0	4.0	0.020	PVC	4.0	PVC	21.0	**EN-022**	821.0	Upper Aquifer
EN-023	767459.8	967000.6	847.76	850.37	2.61	SP	Adams Ave (N), S of Building 32	27-Jan-80	24.0	24.0	7.0	14.0	24.0	10.0	4.0	0.020	PVC	4.0	PVC	22.0	**EN-023**	825.8	Upper Aquifer
EN-024	767346.3	965453.2	849.32	852.01	2.69	SP	Building 14 (SW corner)	05-Feb-80	27.0	24.0	5.0	14.0	24.0	10.0	4.0	0.020	PVC	4.0	PVC	25.0	**EN-024**	824.3	Upper Aquifer
EN-025A	768098.8	966070.7	838.60	838.26	-0.34	MH	Building 46 (SW corner), ~10 ft N of EN-25	05-May-05	18.0	13.5	8.0	12.5	13.5	1.0	2.0	0.020	PVC	2.0	PVC	13.5	**EN-025A**	825.1	Upper Aquifer
EN-026	767734.7	964681.3	838.29	840.96	2.67	SP	Building 252, inside fenced transformers	07-Feb-80	20.0	20.0	7.0	10.0	20.0	10.0	4.0	0.020	PVC	4.0	PVC	17.5	**EN-026**	820.8	Upper Aquifer
EN-029A	766861.7	965833.8	850.75	850.38	-0.37	MH	Bank driveup window, between Garfield & Grant	15-Nov-82	37.5	36.5	0.0	21.0	36.0	15.0	4.0	0.010	PVC	4.0	PVC	36.5	**EN-029A**	814.3	Upper Aquifer
EN-030	768031.9	968437.2	850.35	853.18	2.83	SP	North St between Helena & Hayes, in grass	06-Feb-80	47.0	47.0	7.0	37.0	47.0	10.0	4.0	0.020	PVC	4.0	PVC	24.0	**EN-030**	826.4	Upper Aquifer
EN-034	768325.1	966085.7	838.76	841.49	2.73	SP	Building 46 (W)	14-Mar-80	25.0	21.0	7.0	11.0	21.0	10.0	4.0	0.020	PVC	4.0	PVC	19.5	**EN-034**	819.3	Upper Aquifer
EN-035	767575.0	966442.4	851.47	854.22	2.75	SP	Building 28 (SE corner), at North & McKinley	15-Mar-80	28.0	28.0	7.0	18.0	28.0	10.0	4.0	0.020	PVC	4.0	PVC	27.5	**EN-035**	824.0	Upper Aquifer
EN-036	767620.9	966557.1	850.30	852.97	2.67	SP	Building 25 (SE corner), on North St	15-Mar-80	28.0	27.5	7.0	17.5	27.5	10.0	4.0	0.020	PVC	4.0	PVC	25.5	**EN-036**	824.8	Upper Aquifer
EN-037	768169.1	966448.9	840.31	839.97	-0.34	MH	Building 47 (S side)	18-Mar-80	28.0	25.0	7.0	15.0	25.0	10.0	4.0	0.020	PVC	4.0	PVC	22.0	**EN-037**	818.3	Upper Aquifer
EN-038	768087.2	966059.8	838.63	838.40	-0.23	MH	Building 46 (SE corner)	19-Mar-80	16.0	16.0	7.0	6.0	16.0	10.0	4.0	0.025	PVC	4.0	PVC	14.0	**EN-038**	824.6	Upper Aquifer
EN-039	768085.7	966049.8	838.45	838.26	-0.19	SP	Building 46 (SE corner)	19-Mar-80	16.0	16.0	7.0	6.0	16.0	10.0	4.0	0.025	PVC	4.0	PVC	13.0	**EN-039**	825.5	Upper Aquifer
EN-040	768084.7	966039.5	838.24	837.81	-0.43	MH	Building 46 (SE corner)	20-Mar-80	17.0	16.0	7.0	6.0	16.0	10.0	4.0	0.025	PVC	4.0	PVC	14.0	**EN-040**	824.2	Upper Aquifer
EN-041	768083.4	966029.3	837.97	837.58	-0.39	MH	Building 46 (SE corner)	20-Mar-80	15.0	14.0	7.0	4.0	14.0	10.0	4.0	0.020	PVC	4.0	PVC	12.5	**EN-041**	825.5	Upper Aquifer
EN-042	768081.6	966019.9	837.75	837.45	-0.30	MH	Building 46 (SE corner)	22-Mar-80	16.0	16.0	7.0	6.0	14.0	8.0	4.0	0.025	PVC	4.0	PVC	11.5	**EN-042**	826.3	Upper Aquifer
EN-044	768080.5	966005.2	837.58	837.11	-0.47	MH	Building 46 (SE corner)	23-Mar-80	20.0	14.0	7.0	7.0	14.0	7.0	4.0	0.025	PVC	4.0	PVC	12.0	**EN-044**	825.6	Upper Aquifer
EN-045	768078.6	965990.3	837.36	836.94	-0.42	MH	Building 46 (SE corner)	23-Mar-80	16.0	14.0	7.0	6.0	14.0	8.0	4.0	0.025	PVC	4.0	PVC	11.5	**EN-045**	825.9	Upper Aquifer
EN-046	768130.7	966069.2	837.86	837.60	-0.26	MH	Building 46 (SE corner)	24-Mar-80	14.0	14.0	7.0	6.0	14.0	8.0	4.0	0.020	PVC	4.0	PVC	12.0	**EN-046**	825.9	Upper Aquifer
EN-047	768145.7	966068.7	837.64	837.48	-0.16	MH	Building 46 (SE corner)	24-Mar-80	14.0	13.5	7.0	5.5	13.5	8.0	4.0	0.020	PVC	4.0	PVC	12.0	**EN-047**	825.6	Upper Aquifer
EN-048	768160.1	966068.1	837.61	837.54	-0.07	MH	Building 46 (SE corner)	26-Mar-80	16.0	16.0	7.0	6.0	16.0	10.0	4.0	0.020	PVC	4.0	PVC	13.5	**EN-048**	824.1	Upper Aquifer
EN-049	768174.8	966067.4	837.66	837.42	-0.24	MH	Building 46 (SE corner)	26-Mar-80	19.0	19.0	7.0	9.0	19.0	10.0	4.0	0.020	PVC	4.0	PVC	16.0	**EN-049**	821.7	Upper Aquifer
EN-051	768039.7	965777.3	836.77	839.65	2.88	SP	Building 48 (S), N of RR tracks	12-Apr-80	12.0	11.5	7.0	6.5	11.5	5.0	4.0	0.025	PVC	4.0	PVC	9.0	**EN-051**	827.8	Upper Aquifer
EN-052	768057.4	965883.3	836.93	839.44	2.51	SP	Building 48 (S), N of RR tracks	13-Apr-80	14.0	12.1	7.0	6.0	12.0	6.0	4.0	0.025	PVC	4.0	PVC	10.0	**EN-052**	826.9	Upper Aquifer
EN-053	768246.0	966073.2	838.17	837.86	-0.31	MH	Building 46 (SE corner)	16-Apr-80	20.0	20.0	7.0	10.0	20.0	10.0	4.0	0.020	PVC	4.0	PVC	17.5	**EN-053**	820.7	Upper Aquifer
EN-054	767827.5	965260.7	848.95	851.49	2.54	SP	North of Building 38 tank farm	13-Apr-80	27.0	24.0	7.0	14.0	24.0	10.0	4.0	0.025	PVC	4.0	PVC	19.0	**EN-054**	830.0	Upper Aquifer
EN-055	768198.4	966526.2	841.96	841.46	-0.50	MH	Building 47 (S side)	22-Apr-80	27.0	27.0	7.0	10.0	27.0	17.0	4.0	0.025	PVC	4.0	PVC	24.5	**EN-055**	817.5	Upper Aquifer
EN-056	768239.5	966737.8	844.47	844.07	-0.40	MH	Driveway before Building 47 dock gate	17-Apr-80	26.5	24.0	7.0	14.0	24.0	10.0	4.0	0.020	PVC	4.0	PVC	22.0	**EN-056**	822.5	Upper Aquifer
EN-058	768221.9	966598.0	842.96	845.75	2.79	SP	Building 47 (SE corner)	24-Apr-80	25.5	25.0	7.0	10.0	25.0	15.0	4.0	0.020	PVC	4.0	PVC	21.5	**EN-058**	821.5	Upper Aquifer
EN-060	766403.6	964492.0	839.39	842.06	2.67	SP	Monroe & Lincoln (NE corner)	17-Jul-80	28.0	27.4	7.0	15.5	27.5	12.0	4.0	0.020	PVC	4.0	PVC	25.0	**EN-060**	814.4	Upper Aquifer
EN-062	766060.1	965231.9	838.31	840.96	2.65	SP	Madison Ave, Endicott pay parking lot	10-Jul-80	30.0	24.1	7.0	13.6	24.1	10.5	4.0	0.020	PVC	4.0	PVC	22.0	**EN-062**	816.3	Upper Aquifer
EN-064	765919.6	965691.4	839.88	842.53	2.65	SP	Broad St & Garfield Ave (NW corner)	10-Jul-80	22.0	22.0	7.0	15.0	22.0	7.0	4.0	0.020	PVC	4.0	PVC	18.8	**EN-064**	821.1	Upper Aquifer
EN-065	767262.1	967664.4	852.23	854.92	2.69	SP	Jackson Ave across from Building 251 (HBE School)	15-Jul-80	40.0	40.0	7.0	20.0	40.0	20.0	4.0	0.020	PVC	4.0	PVC	37.5	**EN-065**	814.7	Upper Aquifer
EN-066	767313.8	963976.9	840.07	839.70	-0.37	MH	Building 96 former lagoon (SW corner)	17-Jul-80	40.0	38.0	7.0	12.0	38.0	26.0	4.0	0.020	PVC	4.0	PVC	32.0	**EN-066**	808.1	Upper Aquifer
EN-067	767506.0	963916.1	835.25	837.85	2.60	SP	Building 96 former lagoon (W side)	11-Jul-80	26.0	26.0	7.0	8.0	26.0	18.0	4.0	0.020	PVC	4.0	PVC	23.5	**EN-067**	811.8	Upper Aquifer
EN-069	767791.7	964213.4	836.41	839.14	2.73	SP	Building 96 (SW corner)	16-Jul-80	22.0	22.0	7.0	9.0	22.0	13.0	2.0	0.020	PVC	2.0	PVC	18.0	**EN-069**	818.4	Upper Aquifer
EN-070	767582.2	964403.0	838.88	841.66	2.78	SP	Building 96 (S) near RR tracks	14-Jul-80	18.0	16.5	7.0	10.0	16.0	6.0	4.0	0.020	PVC	4.0	PVC	14.5	**EN-070**	824.4	Upper Aquifer
EN-072	768035.7	964873.6	835.67	838.45	2.78	SP	Clark St & Oak Hill Ave (SW corner)	25-Jul-80	27.0	24.0	7.0	6.0	24.0	18.0	2.0	0.020	PVC	2.0	PVC	22.0	**EN-072**	813.7	Upper Aquifer
EN-073	768219.9	965240.8	836.87	839.74	2.87	SP	Clark St & Odell Ave (NE corner)	18-Jul-80	16.0	14.0	7.0	6.0	14.0	8.0	2.0	0.020	PVC	2.0	PVC	14.5	**EN-073**	822.4	Upper Aquifer
EN-074	767763.7	965085.5	848.84	851.59	2.75	SP	Building 87 (NW corner), near Oak Hill Ave & RR	22-Jul-80	28.0	25.0	7.0	15.0	25.0	10.0	2.0	0.020	PVC	2.0	PVC	23.0	**EN-074**	825.8	Upper Aquifer
EN-075	767593.3	965314.9	848.51	851.20	2.69	SP	Building 14 (NW corner)	22-Jul-80	24.0	22.0	7.0	15.0	22.0	7.0	2.0	0.020	PVC	2.0	PVC	20.0	**EN-075**	828.5	Upper Aquifer
EN-076	767266.2	965054.1	850.26	853.06	2.80	SP	North St & Oak Hill Ave (NE corner)	22-Jul-80	28.0	27.0	7.0	17.0	27.0	10.0	4.0	0.020	PVC	4.0	PVC	25.0	**EN-076**	825.3	Upper Aquifer
EN-077	767323.7	966172.9	851.59	854.25	2.66	SP	North St & The Alley	25-Jul-80	28.0	27.0	7.0	20.0	27.0	7.0	4.0	0.020	PVC	4.0	PVC	24.0	**EN-077**	827.6	Upper Aquifer
EN-078	767192.6	966537.8	849.32	852.16	2.84	SP	Building 42 (S side)	24-Jul-80	28.0	26.0	7.0	16.0	26.0	10.0	4.0	0.020	PVC	4.0	PVC	24.5	**EN-078**	824.8	Upper Aquifer
EN-078T	767169.6	966477.2	849.90	850.71	0.81	SP	Building 42 (S side), next to EN-D37 and EN-513	13-Jun-07	29.0	29.0	18.0	10.0/21.0	16.0/24.0	6.0/3.0	10.0	0.050	SS	10.0	SS	24.2	**EN-078T**	825.7	Upper Aquifer
EN-079	766602.6	967052.4	845.46	848.15	2.69	SP	Monroe St & Adams Ave (NW corner)	23-Jul-80	36.0	35.0	7.0	18.0	35.0	17.0	2.0	0.020	PVC	2.0	PVC	33.0	**EN-079**	812.5	Upper Aquifer
EN-080	767021.8	967019.9	848.31	848.14	-0.17	MH	Adams Ave (W side)	23-Jul-80	28.0	26.0	7.0	16.0	26.0	10.0	2.0	0.020	PVC	2.0	PVC	24.5	**EN-080**	823.8	Upper Aquifer
EN-081	767678.2	966842.0	847.27	850.03	2.76	SP	North St (N), NW of Building 032	24-Jul-80	30.0	30.0	7.0	13.0	30.0	17.0	4.0	0.020	PVC	4.0	PVC	28.0	**EN-081**	819.3	Upper Aquifer
EN-083	768419.0	967226.7	843.09	845.78	2.69	SP	Parking Lot No. 13 entrance on Clark, third from Hayes	24-Jul-80	12.0	12.0	7.0	10.0	12.0	2.0	2.0	0.020	PVC	2.0	PVC	11.8	**EN-083**	831.3	Upper Aquifer

B-1: Physical Well Data and Well Specifications — Endicott, New York — Site #704014

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-084	768961.7	967039.1	849.01	851.75	2.74	SP	Cycle parking NE of Building 256 on Watson	18-Jul-80	17.5	16.5	7.0	7.5	15.5	8.0	2.0	0.020	PVC	2.0	PVC	14.0	**EN-084**	835.0	Upper Aquifer
EN-086	768273.7	967894.7	841.57	844.31	2.74	SP	Hayes Ave, between North & Wayne St	24-Jul-80	16.0	15.0	7.0	7.0	15.0	10.0	2.0	0.020	PVC	2.0	PVC	Absent	**EN-086**	Absent	Upper Aquifer
EN-087	768057.7	967943.1	843.67	846.42	2.75	SP	Hayes & North (NE corner)	23-Jul-80	30.0	28.0	7.0	10.0	28.0	18.0	2.0	0.020	PVC	2.0	PVC	Absent	**EN-087**	Absent	Upper Aquifer
EN-091	766867.0	965197.4	848.09	847.61	-0.48	MH	Madison Ave parking lot	25-Aug-80	42.0	41.4	10.0	20.9	41.4	20.5	4.0	0.020	PVC	4.0	PVC	39.0	**EN-091**	809.1	Upper Aquifer
EN-091A	766862.4	965174.5	848.30	848.14	-0.16	MH	~15 ft W of EN-91 in municipal parking lot	19-Jul-04	38.0	36.0	8.0	21.0	36.0	15.0	2.0	0.010	PVC	2.0	PVC	35.8	**EN-091A**	812.6	Upper Aquifer
EN-091T	766861.1	965171.8	848.10	850.23	2.13	SP	~18 ft W of EN-91 in municipal parking lot	14-Sep-04	38.0	38.0	12.0	31.5	33.0	1.5	6.0	0.050	SS	6.0	SS/BS	34.8	**EN-091T**	813.3	Upper Aquifer
EN-092	766864.2	965627.2	848.31	850.53	2.22	SP	Garfield Ave parking lot	20-Aug-80	38.0	37.3	10.0	22.3	37.3	15.0	4.0	0.020	PVC	4.0	PVC	35.0	**EN-092**	813.3	Upper Aquifer
EN-092A	766739.1	965638.6	847.60	847.21	-0.39	MH	10 ft N of EN-438 in municipal parking lot	15-Jul-04	36.0	35.0	8.0	20.0	35.0	15.0	2.0	0.010	PVC	2.0	PVC	35.0	**EN-092A**	812.6	Upper Aquifer
EN-092P	766735.0	965637.3	847.60	846.56	-1.04	Vault	Municipal parking lot on west side of Garfield Ave	02-Dec-05	38.0	38.0	18.0	32.0	33.0	1.0	10.0	0.050	SS	10.0	SS	35.0	**EN-092P**	812.6	Upper Aquifer
EN-093	766606.2	965763.0	845.81	848.68	2.87	SP	Garfield Ave & Monroe St (NE corner)	22-Aug-80	38.0	36.5	10.0	21.1	36.5	15.4	4.0	0.020	PVC	4.0	PVC	35.0	**EN-093**	810.8	Upper Aquifer
EN-094	766834.3	964775.9	845.94	848.61	2.67	SP	Jefferson Ave (N end)	29-Aug-80	40.0	39.0	10.0	20.0	39.0	19.0	4.0	0.020	PVC	4.0	PVC	37.0	**EN-094**	808.9	Upper Aquifer
EN-095	766654.7	963794.2	843.33	846.08	2.75	SP	North St & Harrison Ave (SW corner)	21-Aug-80	54.8	54.8	6.0	37.3	54.8	17.5	4.0	0.020	PVC	4.0	PVC	40.5	**EN-095**	802.8	Upper Aquifer
EN-096	767199.1	963686.1	835.93	838.65	2.72	SP	SW of former lagoon, betw/ Franklin St & RR tracks	27-Aug-80	42.0	39.1	10.0	8.2	39.1	30.9	4.0	0.020	PVC	4.0	PVC	38.3	**EN-096**	797.7	Upper Aquifer
EN-097	768428.5	965085.0	841.07	840.59	-0.48	MH	Building 38 (N side)	26-Aug-80	24.0	18.5	10.0	8.3	18.5	10.2	4.0	0.020	PVC	4.0	PVC	Absent	**EN-097**	Absent	Upper Aquifer
EN-099	766614.6	965767.5	845.94	845.64	-0.30	MH	Garfield Ave & Monroe St (NE corner)	18-Oct-80	36.0	35.2	0.0	30.1	35.1	5.0	2.0	0.000	PVC	2.0	PVC	NE	**EN-099**	NE	Upper Aquifer
EN-100	766632.6	965772.1	846.06	845.77	-0.29	MH	Garfield Ave & Monroe St (NE corner)	18-Oct-80	32.0	31.2	0.0	26.1	31.1	5.0	2.0	0.000	PVC	2.0	PVC	NE	**EN-100**	NE	Upper Aquifer
EN-102	766614.0	965833.5	847.33	846.79	-0.54	MH	Garfield Ave & Monroe St (NE corner)	19-Oct-80	36.0	34.5	0.0	29.5	34.5	5.0	2.0	0.000	PVC	2.0	PVC	34.5	**EN-102**	812.6	Upper Aquifer
EN-103	766097.3	963524.3	837.26	836.98	-0.28	MH	106 Fillmore Ave	07-Dec-80	36.0	35.5	10.0	15.0	35.5	20.5	4.0	0.020	PVC	4.0	PVC	34.0	**EN-103**	803.3	Upper Aquifer
EN-104	764472.9	963371.6	837.10	840.27	3.17	SP	610 North St, between Fillmore Ave & Parsons Ave	18-Dec-81	72.0	72.0	10.0	10.5	72.0	61.5	4.0	0.020	PVC	4.0	PVC	20.0	**EN-104**	766.4	Upper Aquifer
EN-105	767254.2	963408.9	832.21	834.60	2.39	SP	Franklin St (N side)	12-Dec-80	14.0	12.5	10.0	2.0	12.5	10.5	4.0	0.020	PVC	4.0	PVC	NE	**EN-105**	NE	Upper Aquifer
EN-106	768520.0	966315.1	851.16	853.89	2.73	SP	Building 47 (NW corner)	22-Dec-80	48.0	48.0	10.0	17.0	48.0	31.0	4.0	0.020	PVC	4.0	PVC	39.0	**EN-106**	812.2	Upper Aquifer
EN-107	767997.8	965571.7	838.78	840.08	1.30	SP	Building 48 (SW corner)	20-Jan-81	16.0	19.0	16.0	9.0	14.0	5.0	10.0	0.075	SS	10.0	BS	13.5	**EN-107**	825.3	Upper Aquifer
EN-107A	767996.8	965556.1	838.00	837.77	-0.23	MH	Building 48 (SW corner), ~10 ft W of EN-107	04-May-05	19.0	14.3	8.0	13.3	14.3	1.0	2.0	0.020	PVC	2.0	PVC	14.0	**EN-107A**	824.0	Upper Aquifer
EN-107R	767998.6	965560.5	837.80	839.32	1.52	SP	Approx. 10 feet W of EN-107	04-Nov-08	19.5	19.5	16.0	10.0	14.0	4.0	8.0	0.075	SS	8.0	SS	14.5	**EN-107R**	823.3	Upper Aquifer
EN-111	767907.0	966076.1	843.20	842.95	-0.25	MH	Between Buildings 41 & 18	17-Apr-81	23.0	22.8	10.0	7.3	17.8	10.5	4.0	0.025	SS	4.0	BS?	17.6	**EN-111**	825.6	Upper Aquifer
EN-112	767909.3	966096.5	843.40	843.18	-0.22	MH	Between Buildings 41 & 18	16-Apr-81	23.0	23.3	10.0	7.8	18.3	10.5	4.0	0.025	SS	4.0	BS?	16.9	**EN-112**	826.5	Upper Aquifer
EN-113	767875.9	966086.8	843.70	843.77	0.07	MH	In Building 18 driveway to E dock	21-Apr-81	22.0	21.9	10.0	4.9	16.9	12.0	4.0	0.020	SS	4.0	BS?	16.4	**EN-113**	827.3	Upper Aquifer
EN-114	768150.5	965514.1	836.76	836.40	-0.36	MH	S. of Building 48 loading docks, near SW corner	22-Apr-81	26.0	22.8	10.0	7.5	22.8	15.3	4.0	0.020	SS	4.0	BS	22.5	**EN-114**	814.3	Upper Aquifer
EN-114T	768162.6	965512.6	836.60	838.87	2.27	SP	N. of EN-114, S. of Bldg 48 loading docks	01-Oct-13	27.0	25.0	14.0	16.0	20.0	4.0	8.0	0.050	SS	8.0	SS	20.5	**EN-114T**	816.1	Upper Aquifer
EN-117	767955.8	965334.0	840.05	842.78	2.73	SP	Tank Farm, N of RR tracks	27-Apr-81	20.0	20.1	10.0	4.9	20.1	15.2	4.0	0.020	SS	4.0	BS	15.6	**EN-117**	824.5	Upper Aquifer
EN-119A	768188.3	966528.2	841.90	841.39	-0.51	MH	~ 10 ft S of EN-55	09-May-05	27.0	22.0	8.0	21.0	22.0	1.0	2.0	0.020	PVC	2.0	PVC	21.8	**EN-119A**	820.2	Upper Aquifer
EN-120	766617.5	965852.5	847.83	848.00	0.17	MH	Garfield Ave pump house (Building 253)	29-May-81	43.5	43.5	16.0	18.5	38.5	20.0	8.0	0.020	SS	8.0	BS	37.5	**EN-120**	810.3	Upper Aquifer
EN-121	768063.0	964325.4	834.36	837.09	2.73	SP	Building 96 (N side), on Clark St	17-Mar-82	22.5	20.0	4.0	5.0	20.0	15.0	2.0	0.010	PVC	2.0	PVC	22.0	**EN-121**	812.4	Upper Aquifer
EN-122	768044.4	964079.1	833.70	836.39	2.69	SP	Between Building 95 & Clark St, outside fence	16-Mar-82	21.5	20.0	4.0	5.0	20.0	15.0	2.0	0.010	PVC	2.0	PVC	20.5	**EN-122**	813.2	Upper Aquifer
EN-123	767897.3	963919.8	832.72	835.41	2.69	SP	Building 95 Annex, NW corner	17-Mar-82	19.5	20.0	4.0	5.0	20.0	15.0	2.0	0.010	PVC	2.0	PVC	18.0	**EN-123**	814.7	Upper Aquifer
EN-125	766639.4	964791.8	842.86	845.47	2.61	SP	Jefferson Ave (N end)	14-May-82	44.0	42.0	6.0	22.0	42.0	20.0	2.0	0.010	PVC	2.0	PVC	41.7	**EN-125**	801.2	Upper Aquifer
EN-126	766505.6	964800.4	841.02	843.71	2.69	SP	Jefferson Ave (N end)	15-May-82	38.0	36.0	2.0	16.0	36.0	20.0	2.0	0.010	PVC	2.0	PVC	36.0	**EN-126**	805.0	Upper Aquifer
EN-127	767630.8	967042.1	845.19	844.86	-0.33	MH	Adams Ave & North St (SE corner)	30-Jun-82	26.0	23.5	6.0	14.0	23.5	9.5	2.0	0.010	PVC	2.0	PVC	23.3	**EN-127**	821.9	Upper Aquifer
EN-129	767796.0	967634.5	846.91	846.48	-0.43	MH	Jackson Ave & North St (SW corner)	02-Jul-82	28.0	25.0	3.3	11.0	25.0	14.0	2.0	0.010	PVC	2.0	PVC	25.0	**EN-129**	821.9	Upper Aquifer
EN-130	767449.9	967345.6	850.46	850.12	-0.34	MH	10 Arthur Ave, S of North St	30-Jun-82	33.5	32.0	6.0	18.0	32.0	14.0	2.0	0.010	PVC	2.0	PVC	31.8	**EN-130**	818.7	Upper Aquifer
EN-131	766631.8	967686.1	859.52	862.22	2.70	SP	Monroe St & Jackson Ave (NW corner)	23-Jun-82	47.0	43.0	3.3	34.0	43.0	9.0	2.0	0.010	PVC	2.0	PVC	43.5	**EN-131**	816.0	Upper Aquifer
EN-132	766896.6	964871.3	848.84	848.49	-0.35	MH	Jefferson Ave (N end), outside building	13-Oct-82	41.0	40.0	6.0	25.0	40.0	15.0	2.0	0.010	PVC	2.0	PVC	38.0	**EN-132**	810.8	Upper Aquifer
EN-133	766913.0	964882.7	848.57	846.95	-1.62	MH	Jefferson Ave (N end), outside building	22-Oct-82	41.0	41.0	16.0	27.0	38.0	11.0	10.0	0.030	SS	10.0	BS	38.0	**EN-133**	810.6	Upper Aquifer
EN-146	768041.2	964497.4	834.61	837.49	2.88	SP	W of E truck gate for Building 96	29-Dec-82	22.0	21.0	8.0	7.0	21.0	14.0	4.0	0.010	PVC	4.0	PVC	20.0	**EN-146**	814.6	Upper Aquifer
EN-148	767892.2	965482.5	848.86	851.61	2.75	SP	Building 39 (NW corner)	30-Dec-82	26.0	26.0	6.0	11.0	25.0	14.0	4.0	0.010	NA	4.0	NA	NE	**EN-148**	NE	Upper Aquifer
EN-149	767125.6	963726.5	838.28	841.06	2.78	SP	SW of former lagoon, N of RR tracks	08-Sep-83	25.5	25.5	6.0	15.5	25.5	10.0	2.0	NA	NA	2.0	NA	NE	**EN-149**	NE	Upper Aquifer
EN-150	767120.4	963722.2	838.31	841.04	2.73	SP	SW of former lagoon, N of RR tracks	08-Sep-83	47.0	46.0	6.0	36.0	46.0	10.0	4.0	NA	NA	4.0	NA	46.5	**EN-150**	791.8	Upper Aquifer
EN-151	767207.6	963800.4	836.09	838.74	2.65	SP	SW of former lagoon, N of RR tracks	09-Sep-83	52.0	49.0	6.0	39.0	49.0	10.0	4.0	NA	NA	4.0	NA	49.0	**EN-151**	787.1	Upper Aquifer
EN-152	767207.3	963804.4	836.07	838.74	2.67	SP	SW of former lagoon, N of RR tracks	09-Sep-83	25.0	24.5	6.0	14.5	24.5	10.0	2.0	NA	NA	2.0	NA	NE	**EN-152**	NE	Upper Aquifer
EN-153	767250.1	963602.8	835.49	838.21	2.72	SP	SW of former lagoon, N of RR tracks	07-Sep-83	22.0	20.0	6.0	10.0	20.0	10.0	2.0	NA	NA	2.0	NA	21.0	**EN-153**	814.5	Upper Aquifer
EN-154B	767173.5	963746.2	836.80	838.98	2.18	SP	NYSEG property, ~10 ft S of EN-154	04-Aug-04	48.0	43.0	6.0	41.0	43.0	2.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-154B**	NE	Upper Aquifer
EN-154R	767174.9	963749.6	836.20	838.73	2.53	SP	NYSEG property, ~10 ft SE of EN-154	27-May-05	30.0	29.2	20.0	22.0	24.0	2.0	14.0	0.050	SS	14.0	SS	NE	**EN-154R**	NE	Upper Aquifer
EN-156	767495.3	967968.6	838.20	840.98	2.78	SP	Kentucky Ave, NE of HBE School dock	21-Feb-84	47.0	36.0	6.0	26.0	36.0	10.0	2.0	0.020	SS	2.0	SS	Absent	**EN-156**	Absent	Upper Aquifer
EN-157	767051.5	967943.0	838.16	840.89	2.73	SP	Kentucky Ave, next to John Deere fence	22-Feb-84	46.5	41.0	6.0	31.0	41.0	10.0	2.0	0.020	SS	2.0	SS	Absent?	**EN-157**	Absent?	Upper Aquifer
EN-158	767049.9	967759.9	852.83	855.67	2.84	SP	Jackson Ave, Building 251 (HBE School)	24-Feb-84	34.5	31.0	6.0	21.0	31.0	10.0	2.0	0.020	SS	2.0	SS	30.0	**EN-158**	822.8	Upper Aquifer
EN-160	766607.4	965849.0	847.17	848.82	1.65	SP	Garfield Ave & Monroe St (NE corner)	06-Apr-84	39.0	39.0	16.0	28.0	36.0	8.0	10.0	0.020	SS	10.0	BS	35.5	**EN-160**	811.7	Upper Aquifer
EN-161	766402.3	966798.6	844.52	847.17	2.65	SP	Monroe St & Roosevelt Ave (SE corner)	21-Aug-84	31.5	30.8	8.0	15.4	30.8	15.4	2.0	0.020	SS	2.0	SS	29.5	**EN-161**	815.0	Upper Aquifer
EN-161T	766411.1	966798.0	844.50	843.31	-1.19	Vault	E side Roosevelt Ave, ~ 5 ft N of EN-161	18-Oct-05	32.0	32.0	8.0	22.0	27.0	5.0	8.0	0.075/0.050	SS	8.0	SS	27.0	**EN-161T**	817.5	Upper Aquifer
EN-162	766289.3	967137.1	853.80	856.48	2.68	SP	11 Adams Ave, front of house	22-Aug-84	41.5	41.0	8.0	26.0	41.0	15.0	2.0	0.020	SS	2.0	SS	39.5	**EN-162**	814.3	Upper Aquifer
EN-163	766431.6	967402.0	857.93	860.31	2.38	SP	104 Arthur Ave, front of house	23-Aug-84	41.5	41.0	8.0	26.0	41.0	15.0	2.0	0.020	SS	2.0	SS	41.0	**EN-163**	816.9	Upper Aquifer
EN-164	767402.0	964107.8	839.55	842.10	2.55	SP	Former lagoon, next to RR tracks	20-Feb-85	17.0	17.5	9.0	12.5	17.5	5.0	4.0	0.020	PVC	4.0	PVC	16.5	**EN-164**	823.1	Upper Aquifer
EN-165	767347.6	963932.5	835.86	838.31	2.45	SP	Former lagoon (SW corner)	21-Feb-85	24.0	22.0	9.0	12.0	22.0	10.0	4.0	0.020	PVC	4.0	PVC	NE	**EN-165**	NE	Upper Aquifer
EN-166	767694.7	963919.0	834.79	837.32	2.53	SP	Former lagoon (NW corner)	21-Feb-85	22.0	18.0	9.0	8.0	18.0	10.0	4.0	0.020	PVC	4.0	PVC	NE	**EN-166**	NE	Upper Aquifer
EN-167	767855.0	964021.8	836.00	835.48	-0.52	MH	Building 95 (inside)	25-Feb-85	22.0	17.0	9.0	7.0	17.0	10.0	4.0	0.020	PVC	4.0	PVC	18.0	**EN-167**	818.0	Upper Aquifer
EN-170	766581.9	966800.3	844.29	847.08	2.79	SP	Monroe St & Roosevelt Ave (NE corner)	28-Feb-85	32.0	30.5	7.0	20.5	30.5	10.0	2.0	0.020	SS	2.0	SS	29.5	**EN-170**	814.8	Upper Aquifer
EN-173	766748.4	967039.9	846.52	846.33	-0.19	MH	Parking lot N of building on Adams Ave	06-Mar-85	37.0	35.5	7.0	25.5	35.5	10.0	2.0	0.020	SS	2.0	SS	34.5	**EN-173**	812.0	Upper Aquifer
EN-174	766797.2	967382.4	853.19	855.83	2.64	SP	36 Arthur Ave	07-Mar-85	34.0	31.0	7.0	21.0	31.0	10.0	2.0	0.020	SS	2.0	SS	29.5	**EN-174**	823.7	Upper Aquifer

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-175	766605.6	967059.2	844.92	844.15	-0.77	MH	Adams & Monroe (NW corner), inside manhole	03-Aug-85	33.0	33.0	16.0	24.0	30.0	6.0	10.0	0.045	SS	10.0	BS	30.0	**EN-175**	814.9	Upper Aquifer
EN-176	767315.2	963979.9	840.19	842.88	2.69	SP	Building 96 former lagoon (SW corner)	16-Oct-85	25.0	25.0	9.0	15.0	25.0	10.0	4.0	0.020	PVC	4.0	PVC	NE	**EN-176**	NE	Upper Aquifer
EN-177	767511.4	964278.0	839.20	841.88	2.68	SP	Building 96 former lagoon (S side)	16-Oct-85	25.0	16.0	7.0	7.0	16.0	9.0	4.0	0.020	PVC	4.0	PVC	14.0	**EN-177**	825.2	Upper Aquifer
EN-178	765414.3	968428.8	851.40	854.18	2.78	SP	Riverview Dr, E of well EN-D04, near river	14-Nov-86	42.0	38.0	8.0	33.0	38.0	5.0	2.0	0.010	PVC	2.0	PVC	37.5	**EN-178**	813.9	Upper Aquifer
EN-179	765739.5	968759.2	832.05	831.57	-0.48	MH	Riverview Dr, N of supply wells	14-Nov-86	26.0	23.5	8.0	17.5	22.5	5.0	2.0	0.010	PVC	2.0	PVC	21.5	**EN-179**	810.6	Upper Aquifer
EN-180	765914.2	969146.5	831.64	831.21	-0.43	MH	Riverview Dr, N of supply wells	14-Nov-86	34.0	33.7	8.0	23.7	33.7	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-180**	Absent	Upper Aquifer
EN-182	766588.1	966890.5	844.85	847.90	3.05	SP	Monroe St (N side) between Roosevelt & Adams	29-Nov-88	31.0	27.0	10.0	22.0	27.0	5.0	2.0	0.010	SS	10.0	SS	30.4	**EN-182**	814.5	Upper Aquifer
EN-183	766591.4	966957.9	844.61	846.97	2.36	SP	Monroe St (N side) between Roosevelt & Adams	30-Nov-88	31.0	27.5	10.0	22.5	27.5	5.0	2.0	0.010	SS	2.0	SS	30.2	**EN-183**	814.4	Upper Aquifer
EN-184	768400.4	966925.6	844.14	846.44	2.30	SP	Parking Lot No. 13 entrance, fourth from Hayes Ave	13-Dec-89	19.0	14.0	6.0	9.0	14.0	5.0	2.0	NA	SS	2.0	SS	14.0	**EN-184**	830.1	Upper Aquifer
EN-185	766590.3	966950.7	844.53	846.63	2.10	SP	Monroe St (N side) between Roosevelt & Adams	19-Apr-89	33.0	33.0	16.0	22.9	29.9	7.0	10.0	0.070	SS	10.0	LCS	30.2	**EN-185**	814.3	Upper Aquifer
EN-185P	766597.1	966952.0	844.60	847.58	2.98	SP	Monroe St (N side) between Roosevelt & Adams	03-Feb-11	35.0	35.0	20.0	28.8	30.0	1.3	10.0	0.050	SS	11.0	SS	31.4	**EN-185P**	814.1	Upper Aquifer
EN-186	767790.5	965167.7	848.94	851.62	2.68	SP	Building 87 (N side), new tank farm along RR tracks	19-May-89	24.0	23.5	6.0	13.5	23.5	10.0	2.0	NA	SS	2.0	SS	20.5	**EN-186**	828.4	Upper Aquifer
EN-187	767750.6	965438.4	848.90	851.66	2.76	SP	W of Building 039	15-Aug-89	30.0	27.5	8.0	17.2	27.5	10.3	2.0	0.010	SS	2.0	SS	20.0	**EN-187**	828.9	Upper Aquifer
EN-188	767638.5	965216.2	848.33	848.13	-0.20	MH	Building 87 (S side), new tank farm along RR tracks	16-Aug-89	30.0	27.5	8.0	17.2	27.5	10.3	2.0	0.010	SS	2.0	SS	20.0	**EN-188**	828.3	Upper Aquifer
EN-189	767745.6	965279.8	848.30	851.00	2.70	SP	SE corner of Building 87, new tank farm	16-Aug-89	30.0	27.5	8.0	17.2	27.5	10.3	2.0	0.010	SS	2.0	SS	20.0	**EN-189**	828.3	Upper Aquifer
EN-190	766673.4	965993.1	849.26	851.76	2.50	SP	Grant Ave (W side), Parking Lot No. 40	13-Nov-90	36.0	32.5	8.0	22.5	32.5	10.0	2.0	0.010	SS	2.0	SS	33.0	**EN-190**	816.3	Upper Aquifer
EN-191A	766528.4	965959.3	848.60	848.52	-0.08	MH	1409 Monroe St, 10 ft W of EN-191	09-Aug-05	40.0	38.0	8.0	23.0	38.0	15.0	2.0	0.020	PVC	2.0	PVC	38.0	**EN-191A**	810.6	Upper Aquifer
EN-192	766545.3	966307.2	847.98	850.71	2.73	SP	Parking Lot No. 41, Monroe St W of McKinley	16-Nov-90	36.0	32.1	8.0	22.1	32.1	10.0	2.0	0.010	SS	2.0	SS	31.5	**EN-192**	816.5	Upper Aquifer
EN-193	766578.0	966617.7	845.51	848.28	2.77	SP	Monroe St between McKinley & Roosevelt	19-Nov-90	36.0	32.1	8.0	22.1	32.1	10.0	2.0	0.010	SS	2.0	SS	33.0	**EN-193**	812.5	Upper Aquifer
EN-194	766532.8	965964.2	848.58	843.46	-5.12	Vault	Parking Lot No. 10, Monroe St E of Garfield	04-Feb-91	40.0	40.0	16.0	29.0	37.0	8.0	10.0	0.040	SS	10.0	SS	37.0	**EN-194**	811.6	Upper Aquifer
EN-195	766583.4	966626.3	845.31	838.02	-7.29	Vault	Monroe St between McKinley & Roosevelt	15-Feb-91	38.0	36.0	16.0	26.0	33.0	7.0	10.0	0.030	SS	10.0	S	33.0	**EN-195**	812.3	Upper Aquifer
EN-200	768873.4	966000.9	847.97	850.27	2.30	SP	Building 53 (E side), inside?	07-Oct-92	25.0	21.3	12.0	11.3	21.3	10.0	4.0	0.010	SS	4.0	SS	20.8	**EN-200**	827.2	Upper Aquifer
EN-202	766785.8	964096.1	846.07	848.44	2.37	SP	North St & Clevel& Ave (SW corner)	07-Oct-92	48.0	47.5	12.0	27.5	47.5	20.0	4.0	0.010	SS	4.0	SS	44.1	**EN-202**	802.0	Upper Aquifer
EN-203	766231.7	965611.8	843.35	846.10	2.75	SP	Parking lot next to Ideal Alley W of Garfield Ave	27-Oct-92	37.0	35.5	12.0	20.5	35.5	15.0	4.0	0.010	SS	4.0	SS	32.8	**EN-203**	810.6	Upper Aquifer
EN-204	766006.6	966857.7	854.47	856.44	1.97	SP	Roosevelt Ave & Main St (NE corner)	23-Oct-92	59.0	57.4	12.0	32.4	57.4	25.0	4.0	0.010	SS	4.0	SS	56.6	**EN-204**	797.9	Upper Aquifer
EN-206	765630.8	967350.4	856.84	859.47	2.63	SP	Tracy St & Adams Ave (NW corner)	23-Apr-93	50.0	47.9	12.0	37.5	47.5	10.0	4.0	0.010	SS	4.0	SS	47.5	**EN-206**	809.3	Upper Aquifer
EN-207	765103.8	967941.8	852.74	854.92	2.18	SP	Riverview Dr near end of Arthur Ave	19-Oct-92	47.5	45.0	12.0	40.0	45.0	5.0	4.0	0.010	SS	4.0	SS	43.5	**EN-207**	809.2	Upper Aquifer
EN-208A	765316.0	966842.0	851.96	851.64	-0.32	MH	1605 Tracy St	01-Jul-03	40.0	37.0	8.0	30.0	37.0	7.0	2.0	0.010	PVC	2.0	PVC	37.0	**EN-208A**	815.0	Upper Aquifer
EN-210	764809.6	967490.8	847.98	850.67	2.69	SP	Riverview Dr near end of Roosevelt Ave	20-Apr-93	43.5	42.5	12.0	37.1	42.1	5.0	4.0	0.010	SS	4.0	SS	41.3	**EN-210**	806.7	Upper Aquifer
EN-211	767943.8	964162.3	835.20	837.73	2.53	SP	Building 95 (E side)	31-Mar-93	18.5	17.5	12.0	7.1	17.1	10.0	4.0	0.010	SS	4.0	SS	16.0	**EN-211**	819.2	Upper Aquifer
EN-213A	765480.0	967101.0	854.21	853.94	-0.27	MH	Tracy St & Roosevelt Ave (NW corner)	27-Jun-03	40.0	40.0	8.0	32.0	40.0	8.0	2.0	0.010	PVC	2.0	PVC	37.5	**EN-213A**	816.7	Upper Aquifer
EN-214A	766180.0	966720.0	846.62	846.40	-0.22	MH	Columbus St between Roosevelt & McKinley Ave	25-Jul-03	38.0	37.0	8.0	22.0	37.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-214A**	NE	Upper Aquifer
EN-214B	766180.0	966729.0	846.43	846.46	0.03	MH	Columbus St between Roosevelt & McKinley Ave	24-Jul-03	52.0	48.0	8.0	43.0	48.0	5.0	2.0	0.010	PVC	2.0	PVC	49.0	**EN-214B**	797.4	Upper Aquifer
EN-215A	766446.3	966088.2	848.00	847.50	-0.50	MH	Grant Ave & Monroe St (SE corner), 5 ft S of EN-215B	18-Aug-04	34.0	34.0	8.0	19.0	34.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-215A**	NE	Upper Aquifer
EN-215B	766448.9	966087.9	847.90	847.47	-0.43	MH	Grant Ave & Monroe St (SE corner), 10 ft S of EN-215	18-Aug-04	46.0	44.0	8.0	34.0	44.0	10.0	2.0	0.020	PVC	2.0	PVC	44.0	**EN-215B**	803.9	Upper Aquifer
EN-215T	766452.0	966086.8	847.70	847.19	-0.51	Vault	3 ft N of EN-215B, SE corner of Grant Ave & Monroe St	20-Oct-05	50.0	48.5	16.0	36.0/40.5	38.75/43.5	2.75/3.0	8.0	0.035/0.050	SS	8.0	SS	43.5	**EN-215T**	804.2	Upper Aquifer
EN-215W	766432.5	966090.5	847.70	847.36	-0.34	MH	Corner of Grant Ave & Monroe St, 28' S of EN-215	19-May-10	51.0	51.0	8.0	50.0	51.0	1.0	2.0	0.020	PVC	2.0	PVC	44.0	**EN-215W**	803.7	Upper Aquifer
EN-217A	765842.0	967646.0	857.61	857.13	-0.48	MH	Tracy St & Arthur Ave (NW corner)	26-Jun-03	46.0	42.0	8.0	32.0	42.0	10.0	2.0	0.010	PVC	2.0	PVC	42.5	**EN-217A**	815.1	Upper Aquifer
EN-218	768014.7	964195.0	834.62	837.32	2.70	SP	Building 95 (NE corner), on Clark St	01-Jun-94	22.5	21.5	16.0	12.5	18.5	6.0	8.0	0.030	SS	8.0	BS	18.5	**EN-218**	816.1	Upper Aquifer
EN-219	768178.2	966584.0	842.75	843.62	0.87	SP	Building 47 (SE corner)	22-Oct-96	26.5	26.0	12.0	17.0	23.0	6.0	6.0	0.040	SS	6.0	LCS	23.5	**EN-219**	819.3	Upper Aquifer
EN-219R	768172.3	966576.4	842.20	844.34	2.14	SP	Adjacent to EN-219, S of Building 47	27-Apr-06	28.8	28.8	16.0	21.8	23.8	2.0	8.0	0.050	SS	8.0	SS	23.8	**EN-219R**	818.5	Upper Aquifer
EN-253	768096.3	966139.1	840.79	844.41	3.62	SP	S of Building 46, along RR tracks	2000	19.0	19.0	14.0	10.7	15.9	5.2	8.0	0.025	SS	8.0	BS	NE	**EN-253**	NE	Upper Aquifer
EN-253R	768095.2	966134.3	840.90	843.96	3.06	SP	S of Building 46, along RR tracks, 5 feet W of EN-253	06-Apr-15	24.0	23.8	14.0	10.5	18.0	7.5	8.0	0.025	SS	8.0	SS	18.0	**EN-253R**	822.9	Upper Aquifer
EN-276	767520.7	965805.6	849.71	852.29	2.58	SP	Between Buildings 18 & 14	2000	35.4	35.4	20.0	28.0	32.0	4.0	12.0	0.030	SS	12.0	BS	NE	**EN-276**	NE	Upper Aquifer
EN-276A	767519.3	965800.2	849.70	849.39	-0.31	MH	Approx. 4 ft W of EN-276, E side of Building 14	10-Apr-07	27.0	26.0	8.0	16.0	26.0	10.0	2.0	0.020	PVC	2.0	PVC	26.0	**EN-276A**	823.7	Upper Aquifer
EN-276R	767499.1	965813.8	849.90	852.54	2.64	SP	Approx. 4 ft S of EN-16, E side of Building 15	08-Jun-11	33.0	33.0	12.0	26.0	28.0	2.0	8.0	0.050	SS	8.0	SS	28.3	**EN-276R**	821.6	Upper Aquifer
EN-277	767318.5	965961.0	849.80	852.36	2.56	SP	Grant Ave & North St (SW corner)	14-May-02	29.0	24.0	8.0	22.0	24.0	2.0	NA	NA	NA	2.0	NA	24.0	**EN-277**	825.8	Upper Aquifer
EN-278	767158.1	965972.7	848.15	850.75	2.60	SP	Grant Ave, S of North St	14-May-02	34.0	33.0	8.0	31.0	33.0	2.0	NA	NA	NA	2.0	NA	33.0	**EN-278**	815.2	Upper Aquifer
EN-279	767150.1	965974.4	848.02	850.30	2.28	SP	Grant Ave, S of North St	14-May-02	34.0	26.0	8.0	24.0	26.0	2.0	NA	NA	NA	2.0	NA	33.0	**EN-279**	815.0	Upper Aquifer
EN-284	767197.2	965870.3	848.39	850.72	2.33	SP	Parking lot between Grant & Garfield; 15 ft N of EN-283	16-May-02	60.0	57.0	8.0	55.0	57.0	2.0	NA	NA	NA	2.0	NA	Absent	**EN-284**	Absent	Upper Aquifer
EN-284P	767175.0	965865.7	850.30	853.26	2.96	SP	10 ft SW of EN-284TD, in parking lot, W side of Grant Ave	10-Feb-06	60.8	60.8	18.0	46.0	57.8	11.8	10.0	0.035/0.025	SS	10.0	SS	Absent	**EN-284P**	Absent	Upper Aquifer
EN-284TD	767181.0	965871.0	850.41	853.55	3.14	SP	8 ft S of EN-283	03-Oct-03	61.0	58.0	14.0	43.3	57.0	13.8	6.0	0.035	SS	6.0	SS	Absent	**EN-284TD**	Absent	Upper Aquifer
EN-301	767006.0	964763.0	848.47	848.16	-0.31	MH	Near 3 Jefferson Ave	17-Sep-03	38.0	34.0	8.0	24.0	34.0	10.0	2.0	0.010	PVC	2.0	PVC	34.0	**EN-301**	814.5	Upper Aquifer
EN-302	767206.0	966730.0	843.61	843.02	-0.59	MH	Parking lot E of building #40	21-Jul-03	20.0	15.0	8.0	10.0	15.0	5.0	2.0	0.010	PVC	2.0	PVC	15.0	**EN-302**	828.6	Upper Aquifer
EN-304	768017.0	968309.0	849.81	849.63	-0.18	MH	North of North St across from Delaware	14-Jul-03	28.0	24.0	8.0	14.0	24.0	10.0	2.0	0.010	PVC	2.0	PVC	25.0	**EN-304**	824.8	Upper Aquifer
EN-306A	767329.0	968426.0	838.48	838.20	-0.28	MH	Lewis St	03-Jul-03	23.0	23.0	8.0	8.0	23.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-306A**	Absent	Upper Aquifer
EN-306B	767329.0	968439.0	838.58	838.24	-0.34	MH	Lewis St	02-Jul-03	50.0	43.0	8.0	33.0	43.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-306B**	Absent	Upper Aquifer
EN-307	766479.0	968786.0	844.93	844.59	-0.34	MH	Maryland Ave & Tracy St, NW corner	17-Jun-03	38.0	25.0	8.0	17.0	25.0	10.0	2.0	0.010	PVC	2.0	PVC	23.7	**EN-307**	821.2	Upper Aquifer
EN-308	766332.0	968485.0	838.48	837.95	-0.53	MH	Deleware Ave & Tracy St, NW corner	18-Jun-03	44.0	39.0	8.0	29.0	39.0	10.0	2.0	0.010	PVC	2.0	PVC	39.0	**EN-308**	799.5	Upper Aquifer
EN-309A	766101.0	968680.0	832.55	832.28	-0.27	MH	2201 Richmond Rd (N side)	19-Jun-03	64.0	38.0	8.0	23.0	38.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-309A**	Absent	Upper Aquifer
EN-309B	766114.0	968711.0	832.66	832.35	-0.31	MH	2201 Richmond Rd (N side)	25-Jun-03	64.0	64.0	8.0	54.0	64.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-309B**	Absent	Upper Aquifer
EN-309C	766096.0	968669.0	832.36	832.10	-0.26	MH	2109 Richmond Rd (N side)	24-Jun-03	92.0	90.0	8.0	80.0	90.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-309C**	Absent	Upper Aquifer
EN-310	765245.0	966270.0	846.37	846.05	-0.32	MH	309 Grant Ave, S of Main St	08-Jul-03	32.0	28.0	8.0	18.0	28.0	10.0	2.0	0.010	PVC	2.0	PVC	28.0	**EN-310**	818.4	Upper Aquifer
EN-311	764773.0	966366.0	849.66	849.30	-0.36	MH	Riverview Dr & Tracy St, W of McKinley Ave	09-Jul-03	52.0	45.0	8.0	35.0	45.0	10.0	2.0	0.010	PVC	2.0	PVC	45.0	**EN-311**	804.7	Upper Aquifer
EN-380	767138.9	966898.8	847.70	847.35	-0.35	MH	Parking lot S of Building 32, W of Adams Ave	13-Jul-05	24.0	22.0	8.0	12.0	22.0	10.0	2.0	0.020	PVC	2.0	PVC	21.1	**EN-380**	826.6	Upper Aquifer
EN-381	766894.0	967095.5	846.70	846.35	-0.35	MH	29 Adams Ave	14-Jul-05	28.0	24.5	8.0	14.5	24.5	10.0	2.0	0.020	PVC	2.0	PVC	24.4	**EN-381**	822.3	Upper Aquifer
EN-382	767081.3	967368.0	852.60	852.26	-0.34	MH	24 Arthur Ave	12-Jul-05	34.0	30.0	8.0	20.0	30.0	10.0	2.0	0.020	PVC	2.0	PVC	30.0	**EN-382**	822.6	Upper Aquifer

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-384	767466.0	967099.9	848.30	847.86	-0.44	MH	Ideal Cleaners lot, near EN-388, N of 7 Adams Ave	13-Jul-05	28.0	24.0	8.0	14.0	24.0	10.0	2.0	0.020	PVC	2.0	PVC	24.0	**EN-384**	824.3	Upper Aquifer
EN-385	767702.4	967242.4	846.70	846.21	-0.49	MH	Ideal Cleaners lot, near EN-399	12-Jul-05	26.0	22.0	8.0	12.0	22.0	10.0	2.0	0.020	PVC	2.0	PVC	22.0	**EN-385**	824.7	Upper Aquifer
EN-386	767548.3	967160.4	848.80	848.49	-0.31	MH	Parking lot between Adams & Arthur Aves	01-Oct-04	26.0	23.5	8.0	13.5	23.5	10.0	2.0	0.020	PVC	2.0	PVC	23.5	**EN-386**	825.3	Upper Aquifer
EN-387A	767474.2	967458.8	851.40	854.23	2.83	SP	N edge of lot at 9 Arthur Ave	04-May-07	32.0	31.5	8.0	16.5	31.5	15.0	2.0	1.020	PVC	3.0	PVC	30.5	**EN-387A**	820.9	Upper Aquifer
EN-392R	767749.9	967440.0	847.20	846.95	-0.25	MH	North of Ideal Cleaners lot, 100 ft E of Arthur Ave	13-Apr-11	24.0	21.2	8.0	11.2	21.2	10.0	2.0	0.020	CPVC	2.0	CPVC	21.2	**EN-392R**	827.4	Upper Aquifer
EN-393	767271.7	967034.8	848.50	847.94	-0.56	MH	Across street from 13 Adams Ave	27-Jul-04	26.0	23.0	8.0	13.0	23.0	10.0	2.0	0.010	PVC	2.0	PVC	22.8	**EN-393**	825.8	Upper Aquifer
EN-394	767254.7	967358.5	852.10	851.42	-0.68	MH	In front of 18 Arthur Ave	21-Jul-04	28.0	25.5	8.0	15.5	25.5	10.0	2.0	0.010	PVC	2.0	PVC	25.3	**EN-394**	826.9	Upper Aquifer
EN-395	767514.5	967649.2	850.20	849.91	-0.29	MH	In front of 10 Jackson Ave	22-Jul-04	26.0	24.0	8.0	14.0	24.0	10.0	2.0	0.010	PVC	2.0	PVC	23.8	**EN-395**	826.5	Upper Aquifer
EN-396	767572.4	967340.0	848.80	848.45	-0.35	MH	Across street from 3 Arthur Ave	21-Jul-04	26.0	23.5	8.0	13.5	23.5	10.0	2.0	0.010	PVC	2.0	PVC	23.5	**EN-396**	825.3	Upper Aquifer
EN-397	767915.2	967296.5	845.20	844.83	-0.37	MH	E end of Huron parking lot, next to Endicott Forging	22-Jul-04	24.0	21.5	8.0	11.5	21.5	10.0	2.0	0.010	PVC	2.0	PVC	21.5	**EN-397**	823.7	Upper Aquifer
EN-398	767888.5	967104.0	845.70	845.22	-0.48	MH	W end of Huron parking lot, next to Endicott Forging	23-Jul-04	22.0	19.5	8.0	8.5	18.5	10.0	2.0	0.010	PVC	2.0	PVC	18.5	**EN-398**	827.2	Upper Aquifer
EN-399	767790.6	967537.8	846.60	846.23	-0.37	MH	North St (S side) between Arthur & Jackson Ave	05-Aug-03	24.0	19.5	8.0	12.5	19.5	7.0	2.0	0.010	PVC	2.0	PVC	19.8	**EN-399**	826.9	Upper Aquifer
EN-400A	768082.0	969335.0	855.82	855.46	-0.36	MH	7 ft E of EN-400B, 2507 North St	12-Sep-03	27.0	27.0	8.0	17.0	27.0	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-400A**	NE	Upper Aquifer
EN-400B	768084.0	969327.0	855.88	855.50	-0.38	MH	NE intersection of North/Young, 2507 North St	05-Sep-03	52.0	47.0	8.0	37.0	47.0	10.0	2.0	0.010	PVC	2.0	PVC	47.5	**EN-400B**	808.4	Upper Aquifer
EN-401	765154.0	967267.0	852.12	851.79	-0.33	MH	E side of Roosevelt Ave	20-Aug-03	42.0	39.0	8.0	24.0	39.0	15.0	2.0	0.010	PVC	2.0	PVC	39.0	**EN-401**	813.1	Upper Aquifer
EN-401W	765155.4	967266.3	852.30	851.84	-0.46	MH	E side of Roosevelt Ave	21-May-10	46.0	46.0	8.0	45.0	46.0	1.0	2.0	0.020	PVC	2.0	PVC	39.0	**EN-401W**	813.3	Upper Aquifer
EN-402	765171.0	967694.0	851.74	851.41	-0.33	MH	E side of Adams Ave, N of Riverview Dr	15-Sep-03	44.0	39.5	8.0	32.5	39.5	7.0	2.0	0.010	PVC	2.0	PVC	39.8	**EN-402**	812.0	Upper Aquifer
EN-403	765778.0	968122.0	855.27	854.97	-0.30	MH	E side of Jackson Ave	22-Aug-03	44.0	41.0	8.0	26.0	41.0	15.0	2.0	0.010	PVC	2.0	PVC	41.0	**EN-403**	814.3	Upper Aquifer
EN-404	766165.0	968190.0	849.04	848.43	-0.61	MH	NW intersection of Massachusetts Ave & Tracy St	03-Sep-03	38.0	33.5	8.0	23.5	33.5	10.0	2.0	0.010	PVC	2.0	PVC	33.5	**EN-404**	815.5	Upper Aquifer
EN-405	766783.0	968716.0	861.85	861.55	-0.30	MH	E side of Maryland Ave	04-Sep-03	40.0	36.0	8.0	26.0	36.0	10.0	2.0	0.010	PVC	2.0	PVC	36.0	**EN-405**	825.9	Upper Aquifer
EN-406	766956.0	968981.0	861.76	861.43	-0.33	MH	W side of Louisiana Ave	26-Aug-03	42.0	37.0	8.0	30.0	37.0	7.0	2.0	0.010	PVC	2.0	PVC	37.8	**EN-406**	824.0	Upper Aquifer
EN-407A	767728.0	968960.0	851.02	850.72	-0.30	MH	W side of Nebraska Ave	10-Sep-03	26.0	24.0	8.0	17.0	24.0	7.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-407A**	NE	Upper Aquifer
EN-407B	767722.0	968958.0	850.96	850.72	-0.24	MH	W side of Nebraska Ave	10-Sep-03	48.0	44.0	8.0	29.0	44.0	15.0	2.0	0.010	PVC	2.0	PVC	44.0	**EN-407B**	807.0	Upper Aquifer
EN-408	768016.0	968935.0	855.01	854.56	-0.45	MH	S side of Dittrich St	02-Sep-03	32.0	28.0	8.0	18.0	28.0	10.0	2.0	0.010	PVC	2.0	PVC	27.8	**EN-408**	827.3	Upper Aquifer
EN-409	768343.0	968957.0	844.00	843.62	-0.38	MH	North & Nebraska Ave	03-Sep-03	18.0	14.0	8.0	7.0	14.0	7.0	2.0	0.010	PVC	2.0	PVC	14.5	**EN-409**	829.5	Upper Aquifer
EN-411	768797.0	968777.0	843.84	843.41	-0.43	MH	S side of Wayne St	10-Sep-03	14.0	10.0	8.0	3.0	10.0	7.0	2.0	0.010	PVC	2.0	PVC	6.0	**EN-411**	837.8	Upper Aquifer
EN-412A	767019.0	968347.0	836.50	836.12	-0.38	MH	11 ft S of EN-412B	16-Sep-03	40.0	40.0	8.0	25.0	40.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-412A**	Absent	Upper Aquifer
EN-412B	767028.0	968345.0	835.92	835.65	-0.27	MH	E side of Delaware Ave	09-Sep-03	59.0	59.0	8.0	44.0	59.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-412B**	Absent	Upper Aquifer
EN-413	766632.0	968095.0	861.59	861.29	-0.30	MH	NW intersection of Main/Kentucky Ave	23-Sep-03	58.0	52.0	8.0	37.0	52.0	15.0	2.0	0.010	PVC	2.0	PVC	52.5	**EN-413**	809.1	Upper Aquifer
EN-414	766386.0	967751.0	860.28	859.73	-0.55	MH	SE corner, intersection of Main St & Jackson Ave	11-Sep-03	48.0	44.5	8.0	34.5	44.5	10.0	2.0	0.010	PVC	2.0	PVC	44.5	**EN-414**	815.8	Upper Aquifer
EN-415	766202.0	967421.0	859.23	858.92	-0.31	MH	SW corner, intersection Main St & Arthur Ave	11-Sep-03	46.0	41.0	8.0	34.0	41.0	7.0	2.0	0.010	PVC	2.0	PVC	41.0	**EN-415**	818.2	Upper Aquifer
EN-416A	767778.0	968673.0	843.11	842.94	-0.17	MH	S side of Highland Ave	09-Sep-03	20.0	20.0	8.0	10.0	20.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-416A**	Absent	Upper Aquifer
EN-416B	767779.0	968666.0	842.99	842.84	-0.15	MH	S side of Highland Ave	09-Sep-03	44.0	40.0	8.0	25.0	40.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-416B**	Absent	Upper Aquifer
EN-417A	767637.0	968310.0	841.58	841.21	-0.37	MH	E side of Delaware Ave	27-Aug-03	62.0	23.0	8.0	8.0	23.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-417A**	Absent	Upper Aquifer
EN-417B	767617.0	968312.0	841.21	840.90	-0.31	MH	11 ft S of EN-417C	12-Sep-03	47.0	47.0	8.0	32.0	47.0	15.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-417B**	Absent	Upper Aquifer
EN-417C	767627.0	968311.0	841.39	840.62	-0.77	MH	10 ft S of EN-417A	28-Aug-03	68.0	65.0	8.0	50.0	65.0	15.0	2.0	0.010	PVC	2.0	PVC	65.0	**EN-417C**	776.4	Upper Aquifer
EN-418	766360.0	969244.0	842.39	841.95	-0.44	MH	intersection of Louisiana Ave & Richmond Rd	22-Sep-03	28.0	24.0	8.0	19.0	24.0	5.0	2.0	0.010	PVC	2.0	PVC	24.0	**EN-418**	818.4	Upper Aquifer
EN-419	767362.0	965924.0	850.65	850.27	-0.38	MH	30 ft E of 412 North St	30-Sep-03	28.0	23.8	10.0	18.8	23.8	5.0	4.0	0.020	PVC	4.0	PVC	23.8	**EN-419**	826.9	Upper Aquifer
EN-421	767402.0	966133.0	850.99	851.14	0.15	MH	N end of parking lot	29-Sep-03	30.0	25.0	10.0	20.0	25.0	5.0	4.0	0.020	PVC	4.0	PVC	25.5	**EN-421**	825.5	Upper Aquifer
EN-421A	767399.3	966133.3	851.10	850.82	-0.28	MH	N end of parking lot E of Grant Ave	20-Jul-05	29.0	19.5	8.0	18.5	19.5	1.0	2.0	0.020	PVC	2.0	PVC	19.5	**EN-421A**	831.6	Upper Aquifer
EN-422	767425.0	966253.0	852.06	851.86	-0.20	MH	SW corner, intersection of North St & McKinley Ave	25-Sep-03	32.0	25.5	10.0	20.5	25.5	5.0	4.0	0.020	PVC	4.0	PVC	26.8	**EN-422**	825.3	Upper Aquifer
EN-426	765506.0	967852.0	854.66	854.29	-0.37	MH	near 414 Arthur Ave	08-Oct-03	44.0	40.0	8.0	30.0	40.0	10.0	2.0	0.010	PVC	2.0	PVC	40.0	**EN-426**	814.7	Upper Aquifer
EN-427	765958.0	967877.0	857.18	857.00	-0.18	MH	near 1909 Tracy St	09-Oct-03	48.0	45.0	8.0	30.0	45.0	15.0	2.0	0.010	PVC	2.0	PVC	45.5	**EN-427**	811.7	Upper Aquifer
EN-428	768094.2	966069.2	838.60	840.97	2.37	SP	4 ft N of EN-25	27-Feb-04	19.0	16.0	14.0	14.5	16.0	1.5	8.0	0.035	SS	8.0	SS	16.0	**EN-428**	822.6	Upper Aquifer
EN-428P	768093.6	966063.5	838.50	841.49	2.99	SP	5.7 ft W of EN-428, between B046 & B048	04-Aug-05	20.0	18.5	20.0	12.5	13.5	1.0	14.0	0.035	SS	14.0	SS	13.5	**EN-428P**	825.0	Upper Aquifer
EN-429	767321.0	965719.7	849.90	849.45	-0.45	MH	SE corner of Garfield Ave & North St	14-Apr-04	28.0	24.0	10.0	14.0	24.0	10.0	4.0	0.010	PVC	4.0	PVC	23.5	**EN-429**	826.4	Upper Aquifer
EN-430	767378.6	965965.2	850.50	850.10	-0.40	MH	SW corner of Grant Ave & North St	15-Apr-04	26.0	23.0	10.0	13.0	23.0	10.0	4.0	0.010	PVC	4.0	PVC	22.8	**EN-430**	827.7	Upper Aquifer
EN-431	767399.5	966061.0	851.30	850.66	-0.64	MH	in parking lot along North St, E of Grant Ave	19-Apr-04	26.0	23.5	10.0	13.5	23.5	10.0	4.0	0.010	PVC	4.0	PVC	23.4	**EN-431**	827.9	Upper Aquifer
EN-432	767402.8	966095.8	851.30	851.01	-0.29	MH	37 ft W of EN-421, on North St	20-Apr-04	28.0	24.0	10.0	14.0	24.0	10.0	4.0	0.010	PVC	4.0	PVC	24.0	**EN-432**	827.3	Upper Aquifer
EN-433	767415.8	966172.6	851.60	851.24	-0.36	MH	42 ft E of EN-421, on North St	20-Apr-04	28.0	25.0	10.0	15.0	25.0	10.0	4.0	0.020	PVC	4.0	PVC	25.0	**EN-433**	826.6	Upper Aquifer
EN-434	767421.7	966219.3	851.80	851.57	-0.23	MH	35 ft W of EN-422, on North St	21-Apr-04	30.0	26.5	10.0	16.5	26.5	10.0	4.0	0.020	PVC	4.0	PVC	26.5	**EN-434**	825.3	Upper Aquifer
EN-435	767407.5	966302.9	851.70	851.42	-0.28	MH	45 ft E of EN-422, on North St	22-Apr-04	28.0	25.0	10.0	15.0	25.0	10.0	4.0	0.020	PVC	4.0	PVC	25.0	**EN-435**	826.7	Upper Aquifer
EN-436	767015.8	965618.4	849.30	849.04	-0.26	MH	N of EN-92 in municipal parking lot	27-Apr-04	36.0	34.0	8.0	19.0	34.0	15.0	2.0	0.010	PVC	2.0	PVC	33.8	**EN-436**	815.5	Upper Aquifer
EN-437	766865.3	966067.0	850.00	847.71	-2.29	MH	E side of Grant Ave between North St & Monroe Ave	26-Apr-04	38.0	35.0	8.0	20.0	35.0	15.0	2.0	0.010	PVC	2.0	PVC	35.0	**EN-437**	815.0	Upper Aquifer
EN-438	766729.5	965641.3	847.50	847.10	-0.40	MH	S of EN-92 in municipal parking lot	27-Apr-04	38.0	34.0	8.0	19.0	34.0	15.0	2.0	0.010	PVC	2.0	PVC	34.0	**EN-438**	813.5	Upper Aquifer
EN-438W	766689.0	965644.9	847.20	846.87	-0.33	MH	M&T Parking Lot, 40 ft S of EN-438	18-May-10	44.0	44.0	8.0	43.0	44.0	1.0	2.0	0.020	PVC	2.0	PVC	34.0	**EN-438W**	813.2	Upper Aquifer
EN-439A	766437.4	965722.2	844.50	844.18	-0.32	MH	SW corner of Monroe St & Garfield Ave	13-Apr-04	27.5	27.5	8.0	17.5	27.5	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-439A**	NE	Upper Aquifer
EN-439B	766443.5	965721.5	844.60	844.34	-0.26	MH	SW corner of Monroe St & Garfield Ave	12-Apr-04	40.0	37.5	8.0	27.5	37.5	10.0	2.0	0.010	PVC	2.0	PVC	37.5	**EN-439B**	807.1	Upper Aquifer
EN-440	766464.1	965839.7	845.70	845.53	-0.17	MH	S side of Monroe St, E of Garfield Ave	26-Apr-04	38.0	34.0	8.0	19.0	34.0	15.0	2.0	0.010	PVC	2.0	PVC	34.0	**EN-440**	811.7	Upper Aquifer
EN-441	766471.2	965946.3	847.50	847.19	-0.31	MH	S side of Monroe St, W of Grant Ave	27-Apr-04	40.0	37.5	8.0	22.5	37.5	15.0	2.0	0.010	PVC	2.0	PVC	37.5	**EN-441**	810.0	Upper Aquifer
EN-442A	766522.2	966158.0	848.40	847.92	-0.48	MH	N side of Monroe St, E of Grant Ave	13-Apr-04	31.0	31.0	6.0	21.0	31.0	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-442A**	NE	Upper Aquifer
EN-442B	766522.3	966162.6	848.20	847.94	-0.26	MH	N side of Monroe St, E of Grant Ave	12-Apr-04	44.0	41.0	6.0	31.0	41.0	10.0	2.0	0.010	PVC	2.0	PVC	41.0	**EN-442B**	807.2	Upper Aquifer
EN-443	766545.9	966479.5	847.10	846.75	-0.35	MH	N side of Monroe St, E of McKinley Ave	19-Apr-04	36.0	33.5	6.0	18.5	33.5	15.0	2.0	0.010	PVC	2.0	PVC	33.5	**EN-443**	813.6	Upper Aquifer
EN-444A	766355.1	966049.9	846.90	846.58	-0.32	MH	W side of Grant Ave, S of Monroe St	28-Apr-04	28.5	28.5	6.0	13.5	28.5	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-444A**	NE	Upper Aquifer
EN-444B	766351.7	966050.9	846.90	846.54	-0.36	MH	W side of Grant Ave, S of Monroe St	28-Apr-04	48.0	45.5	6.0	30.5	45.5	15.0	2.0	0.010	PVC	2.0	PVC	45.5	**EN-444B**	801.4	Upper Aquifer
EN-445	766115.8	965741.2	841.10	840.88	-0.22	MH	W side of Garfield Ave, S of Monroe St	15-Apr-04	36.0	33.0	6.0	18.0	33.0	15.0	2.0	0.010	PVC	2.0	PVC	33.0	**EN-445**	808.1	Upper Aquifer
EN-446A	766228.0	966059.1	845.40	845.02	-0.38	MH	W side of Grant Ave, S of Monroe St	29-Apr-04	28.0	28.0	6.0	13.0	28.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-446A**	NE	Upper Aquifer

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-446B	766224.0	966058.9	845.40	845.11	-0.29	MH	W side of Grant Ave, S of Monroe St	29-Apr-04	48.0	45.0	6.0	30.0	45.0	15.0	2.0	0.010	PVC	2.0	PVC	45.0	**EN-446B**	800.4	Upper Aquifer
EN-447A	766164.1	966508.6	846.10	845.75	-0.35	MH	SW corner of McKinley Ave & Columbus St	21-Apr-04	31.5	31.5	6.0	16.5	31.5	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-447A**	NE	Upper Aquifer
EN-447B	766163.8	966505.0	846.10	845.73	-0.37	MH	SW corner of McKinley Ave & Columbus St	20-Apr-04	52.0	48.5	6.0	33.5	48.5	15.0	2.0	0.010	PVC	2.0	PVC	48.5	**EN-447B**	797.6	Upper Aquifer
EN-447T	766164.3	966512.4	846.00	848.30	2.30	SP	SE corner of McKinley Ave & Columbus St	26-Jul-05	54.0	52.5	16.0	40.0/45.0	43.0/47.5	3.0/2.5	NA	0.035/0.070	SS	8.0	SS	48.5	**EN-447T**	797.5	Upper Aquifer
EN-448	766859.4	966445.5	848.70	848.29	-0.41	MH	parking lot on E side of McKinley Ave, N of Monroe	22-Apr-04	28.0	26.0	6.0	16.0	26.0	10.0	2.0	0.010	PVC	2.0	PVC	25.8	**EN-448**	822.9	Upper Aquifer
EN-449	765808.4	966781.8	857.30	857.00	-0.30	MH	SW corner of Main St & Roosevelt Ave	22-Apr-04	52.0	49.0	6.0	34.0	49.0	15.0	2.0	0.010	PVC	2.0	PVC	49.0	**EN-449**	808.3	Upper Aquifer
EN-450	766918.7	965368.7	846.80	846.27	-0.53	MH	W side of Washington Ave, N of Monroe	25-Apr-04	34.0	30.0	6.0	15.0	30.0	15.0	2.0	0.010	PVC	2.0	PVC	30.0	**EN-450**	816.8	Upper Aquifer
EN-451	766896.3	965056.1	846.50	846.26	-0.24	MH	W side of Madison Ave, N of Monroe	30-Apr-04	38.0	35.0	6.0	20.0	35.0	15.0	2.0	0.010	PVC	2.0	PVC	35.0	**EN-451**	811.5	Upper Aquifer
EN-451P	766896.0	965055.0	846.60	845.96	-0.64	Vault	Installed inside of 12 inch casing of EN-451T	01-Mar-07	42.0	41.0	NA	34.5	36.0	1.5	6.0	0.070	SS	6.0	SS	36.0	**EN-451P**	810.6	Upper Aquifer
EN-453	766425.3	965336.8	841.70	841.42	-0.28	MH	S side of Monroe St, W of Washington Ave	23-Aug-04	34.0	31.5	8.0	16.5	31.5	15.0	2.0	0.010	PVC	2.0	PVC	31.5	**EN-453**	810.2	Upper Aquifer
EN-454	766574.6	965578.3	844.70	844.42	-0.28	MH	E side of Ideal Alley, N of Monroe St	25-Aug-04	36.0	34.0	8.0	19.0	34.0	15.0	2.0	0.010	PVC	2.0	PVC	34.0	**EN-454**	810.7	Upper Aquifer
EN-455	766444.2	965588.2	843.40	843.22	-0.18	MH	S side of Monroe St at SE corner of Ideal Alley	24-Aug-04	32.0	30.0	8.0	15.0	30.0	15.0	2.0	0.010	PVC	2.0	PVC	29.8	**EN-455**	813.7	Upper Aquifer
EN-456	766537.8	965754.9	845.20	845.00	-0.20	MH	E side of Garfield Ave, N of Monroe St	20-Aug-04	38.0	34.5	8.0	19.5	34.5	15.0	2.0	0.010	PVC	2.0	PVC	34.5	**EN-456**	810.7	Upper Aquifer
EN-457A	766055.0	966073.8	843.20	842.82	-0.38	MH	W side of Grant Ave, 5 ft N of EN-457B	19-Aug-04	28.0	28.0	8.0	13.0	28.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-457A**	NE	Upper Aquifer
EN-457B	766056.0	966071.7	843.30	843.03	-0.27	MH	W side of Grant Ave, N of Broad St	19-Aug-04	40.0	38.0	8.0	28.0	38.0	10.0	2.0	0.010	PVC	2.0	PVC	38.0	**EN-457B**	805.3	Upper Aquifer
EN-458	765775.6	966319.7	844.30	843.83	-0.47	MH	McKinley Interchange, NW loop	09-Feb-05	26.0	24.0	8.0	14.0	24.0	10.0	2.0	0.020	PVC	2.0	PVC	23.0	**EN-458**	821.3	Upper Aquifer
EN-459A	764890.9	966138.8	847.60	847.27	-0.33	MH	NW corner of Riverview Dr & Tracy St	17-Aug-04	56.0	50.0	8.0	35.0	50.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-459A**	NE	Upper Aquifer
EN-459B	764860.4	966120.2	846.60	846.25	-0.35	MH	S side of Riverview Dr at Tracy St intersection	03-Sep-04	126.0	122.0	10.0/6.0	112.0	122.0	10.0	2.0	0.010	PVC	2.0	PVC	122.0	**EN-459B**	724.6	Upper Aquifer
EN-460A	765056.8	966422.1	848.10	847.75	-0.35	MH	End of Tracy St, E of Grant Ave	09-Aug-04	50.0	50.0	8.0	35.0	50.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-460A**	NE	Upper Aquifer
EN-460B	765054.9	966419.0	847.90	846.89	-1.01	MH	End of Tracy St, E of Grant Ave	06-Aug-04	88.0	84.0	8.0	74.0	84.0	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-460B**	NE	Upper Aquifer
EN-460C	765050.7	966410.8	847.80	847.45	-0.35	MH	End of Tracy St, E of Grant Ave	18-Aug-04	100.0	95.3	8.0/4.0	85.3	95.3	10.0	2.0	0.010	PVC	2.0	PVC	95.3	**EN-460C**	752.6	Upper Aquifer
EN-461	765204.4	966657.4	850.90	850.60	-0.30	MH	End of Tracy St, W of McKinley, E of Rt 26	11-Aug-04	38.0	34.3	8.0	24.3	34.3	10.0	2.0	0.010	PVC	2.0	PVC	34.3	**EN-461**	816.7	Upper Aquifer
EN-462	764733.5	966660.5	851.80	851.38	-0.42	MH	End of Riverview Dr, E of Rt 26	03-Aug-04	48.0	44.0	8.0	34.0	44.0	10.0	2.0	0.010	PVC	2.0	PVC	44.0	**EN-462**	807.8	Upper Aquifer
EN-463	764773.1	967045.2	851.60	851.28	-0.32	MH	NE corner of Riverview Dr & McKinley Ave	12-Aug-04	46.0	44.0	8.0	34.0	44.0	10.0	2.0	0.010	PVC	2.0	PVC	44.0	**EN-463**	807.6	Upper Aquifer
EN-464	765569.3	968214.9	853.30	852.98	-0.32	MH	Front of 420 Jackson Ave, N of Riverview Dr.	19-Nov-04	40.0	37.5	8.0	27.5	37.5	10.0	2.0	0.020	PVC	2.0	PVC	37.0	**EN-464**	816.3	Upper Aquifer
EN-465	765342.8	968312.1	851.60	851.15	-0.45	MH	S of Riverview Dr, W of EN-D04, near river	17-Nov-04	38.0	35.0	8.0	25.0	35.0	10.0	2.0	0.020	PVC	2.0	PVC	35.0	**EN-465**	816.6	Upper Aquifer
EN-466	765502.6	968517.5	847.50	846.99	-0.51	MH	S of Riverview Dr, E of EN-178, near river	17-Nov-04	34.0	32.5	8.0	22.5	32.5	10.0	2.0	0.020	PVC	2.0	PVC	32.5	**EN-466**	815.0	Upper Aquifer
EN-467	765889.2	967767.4	857.40	857.12	-0.28	MH	Front of 319 Tracy St., between Arthur & Jackson Ave	18-Nov-04	46.0	45.5	8.0	30.5	45.5	15.0	2.0	0.020	PVC	2.0	PVC	45.5	**EN-467**	811.9	Upper Aquifer
EN-468	765349.3	967992.5	852.60	852.36	-0.24	MH	Front of 423 Arthur Ave, N of Riverview Dr	13-Oct-04	42.0	38.5	8.0	28.5	38.5	10.0	2.0	0.020	PVC	2.0	PVC	38.5	**EN-468**	814.1	Upper Aquifer
EN-469	767070.2	966223.8	850.10	849.75	-0.35	MH	In alley W of Credit Union, between Grant & McKinley Ave	15-Oct-04	26.0	23.5	8.0	13.5	23.5	10.0	2.0	0.020	PVC	2.0	PVC	23.0	**EN-469**	827.1	Upper Aquifer
EN-470	766942.6	966583.8	847.10	846.85	-0.25	MH	In parking lot S of Building 40, betw/ McKinley & Roosevelt	01-Nov-04	26.0	24.0	8.0	14.0	24.0	10.0	2.0	0.020	PVC	2.0	PVC	24.0	**EN-470**	823.1	Upper Aquifer
EN-471	767735.2	966370.6	853.60	853.30	-0.30	MH	W side of Building 28, immediately N of Skybridge	10-Nov-04	28.0	27.0	8.0	17.0	27.0	10.0	2.0	0.020	PVC	2.0	PVC	26.8	**EN-471**	826.8	Upper Aquifer
EN-472	767669.3	966704.6	849.80	849.43	-0.37	MH	Front of Building 26, E of Building 22	11-Nov-04	28.0	26.0	8.0	16.0	26.0	10.0	2.0	0.020	PVC	2.0	PVC	26.0	**EN-472**	823.8	Upper Aquifer
EN-473A	765100.2	965931.6	843.30	843.06	-0.24	MH	Front of 307 Garfield Ave., S of Main St	30-Nov-04	52.0	45.0	8.0	30.0	45.0	15.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-473A**	NE	Upper Aquifer
EN-473B	765096.2	965933.0	843.30	843.14	-0.16	MH	Front of 307 Garfield Ave., S of Main St, 5 ft S of EN-473A	03-Dec-04	82.0	78.0	6.0	68.0	78.0	10.0	2.0	0.020	PVC	2.0	PVC	78.0	**EN-473B**	765.3	Upper Aquifer
EN-474	765478.7	966413.3	836.60	836.33	-0.27	MH	McKinley Interchange, SW ramp	09-Feb-05	20.0	18.0	8.0	8.0	18.0	10.0	2.0	0.020	PVC	2.0	PVC	18.0	**EN-474**	818.6	Upper Aquifer
EN-475	765656.2	966608.8	851.00	850.49	-0.51	MH	McKinley Interchange, SE ramp	10-Feb-05	34.0	32.3	8.0	22.3	32.3	10.0	2.0	0.020	PVC	2.0	PVC	32.3	**EN-475**	818.8	Upper Aquifer
EN-476	767107.8	965803.1	850.10	849.81	-0.29	MH	~100 ft SW of EN-284TD	29-Jun-05	30.0	26.5	8.0	16.5	26.5	10.0	2.0	0.020	PVC	2.0	PVC	26.5	**EN-476**	823.6	Upper Aquifer
EN-477	767077.7	965873.2	848.90	848.33	-0.57	MH	~100 ft S of EN-284TD	01-Jul-05	46.0	44.0	8.0	29.0	44.0	15.0	2.0	0.020	PVC	2.0	PVC	43.8	**EN-477**	805.1	Upper Aquifer
EN-478A	766347.0	965875.3	844.50	844.08	-0.42	MH	E side of Verizon Building, 5 ft S of EN-478B	08-Mar-05	29.0	29.0	8.0	19.0	29.0	10.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-478A**	NE	Upper Aquifer
EN-478B	766351.8	965874.6	844.50	844.14	-0.36	MH	E side of Verizon Building, S of EN-440	07-Mar-05	42.0	39.0	8.0	29.0	39.0	10.0	2.0	0.020	PVC	2.0	PVC	39.0	**EN-478B**	805.5	Upper Aquifer
EN-479A	766287.6	965969.6	845.80	845.41	-0.39	MH	E parking lot on Verizon property, 5 ft E of EN-479B	15-Mar-05	29.0	29.0	8.0	19.0	29.0	10.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-479A**	NE	Upper Aquifer
EN-479B	766287.3	965965.1	845.70	845.20	-0.50	MH	E parking lot on Verizon property	09-Mar-05	48.0	45.0	8.0	30.0	45.0	15.0	2.0	0.020	PVC	2.0	PVC	45.0	**EN-479B**	800.7	Upper Aquifer
EN-480A	766209.4	965856.7	843.30	843.02	-0.28	MH	E parking lot on Verizon property, 5 ft N of EN-480B	14-Mar-05	33.0	33.0	8.0	18.0	33.0	15.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-480A**	NE	Upper Aquifer
EN-480B	766208.6	965851.5	843.20	842.85	-0.35	MH	Center of S parking lot on Verizon property	16-Mar-05	46.0	44.5	8.0	34.5	44.5	10.0	2.0	0.020	PVC	2.0	PVC	44.5	**EN-480B**	798.7	Upper Aquifer
EN-481A	766179.2	965903.4	843.80	843.35	-0.45	MH	E parking lot on Verizon property, 5 ft S of EN-481B	14-Mar-05	30.0	30.0	8.0	15.0	30.0	15.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-481A**	NE	Upper Aquifer
EN-481B	766178.9	965907.3	843.80	842.99	-0.81	MH	SE corner of S parking lot on Verizon property	11-Mar-05	49.0	47.0	8.0	32.0	47.0	15.0	2.0	0.020	PVC	2.0	PVC	47.0	**EN-481B**	796.8	Upper Aquifer
EN-482	767106.0	965943.1	848.00	847.44	-0.56	MH	~100 ft SE of EN-284TD	05-Jul-05	40.0	38.0	8.0	23.0	38.0	15.0	2.0	0.020	PVC	2.0	PVC	38.0	**EN-482**	810.0	Upper Aquifer
EN-483	768473.3	966077.9	839.30	839.08	-0.22	MH	E side of Rogers Ave, N of EN-34	05-May-05	20.5	20.5	8.0	15.5	20.5	5.0	2.0	0.020	PVC	2.0	PVC	19.8	**EN-483**	819.6	Upper Aquifer
EN-484	767997.5	965565.8	838.60	838.21	-0.39	MH	N side of RR tracks, 5 ft W EN-107A	09-Aug-05	16.0	14.5	8.0	7.5	14.5	7.0	2.0	0.020	PVC	2.0	PVC	14.5	**EN-484**	824.1	Upper Aquifer
EN-485	768096.1	966144.1	841.80	840.48	-1.32	MH	S of Building 46, 3 feet E of extraction well EN-253	19-Jan-07	18.0	17.0	8.0	7.0	17.0	10.0	2.0	0.020	PVC	2.0	PVC	17.0	**EN-485**	824.8	Upper Aquifer
EN-486	768184.4	966585.1	842.90	842.63	-0.27	MH	Building 47 (SE corner), 5 ft N of extraction well EN-219	10-Aug-05	24.0	24.0	8.0	9.0	24.0	15.0	2.0	0.020	PVC	2.0	PVC	23.8	**EN-486**	819.2	Upper Aquifer
EN-487	768009.9	964196.6	834.50	834.18	-0.32	MH	S side of Clark St, 5 ft S of extracton well EN-218	11-Aug-05	18.0	15.0	8.0	5.0	15.0	10.0	2.0	0.020	PVC	2.0	PVC	15.0	**EN-487**	819.5	Upper Aquifer
EN-488	767299.6	965262.3	851.30	850.87	-0.43	MH	N side of North St between Washington & Madison	30-Jun-05	28.0	25.0	8.0	15.0	25.0	10.0	2.0	0.020	PVC	2.0	PVC	24.8	**EN-488**	826.5	Upper Aquifer
EN-489	767613.9	965054.6	847.80	847.45	-0.35	MH	Oak Hill Ave, SE of Building 87 in parking lot	29-Jun-05	24.0	21.0	8.0	11.0	21.0	10.0	2.0	0.020	PVC	2.0	PVC	21.0	**EN-489**	826.8	Upper Aquifer
EN-490	766474.3	966587.6	845.50	845.02	-0.48	MH	W side of alley, S of Monroe St, E of McKinley Ave	12-Dec-06	30.0	28.3	8.0	18.3	28.3	10.0	2.0	0.020	PVC	3.0	PVC	28.3	**EN-490**	817.2	Upper Aquifer
EN-491	766586.9	966692.4	845.30	845.03	-0.27	MH	N side of Monroe St, next to EN-491T	29-Nov-05	36.0	34.0	8.0	19.0	34.0	15.0	2.0	0.020	PVC	2.0	PVC	33.8	**EN-491**	811.5	Upper Aquifer
EN-491A	766590.5	966726.7	844.30	844.31	0.01	MH	NW corner of Monroe & Roosevelt, edge of parking lot	27-Jul-05	30.0	29.0	8.0	14.0	29.0	15.0	2.0	0.020	PVC	2.0	PVC	29.0	**EN-491A**	815.3	Upper Aquifer
EN-491T	766586.1	966689.8	845.70	847.63	1.93	SP	N side of Monroe St, ~ 40 ft W of EN-195	07-Dec-05	38.8	38.8	16.0	32.3	33.8	1.5	8.0	0.035	SS	8.0	SS	33.8	**EN-491T**	812.0	Upper Aquifer
EN-492	766581.9	966850.3	844.70	844.42	-0.28	MH	5 ft S of EN-492T, NE of Monroe St & Roosevelt Ave	07-Jun-06	33.0	32.5	8.0	17.5	32.5	15.0	2.0	0.020	PVC	2.0	PVC	32.5	**EN-492**	812.2	Upper Aquifer
EN-492A	766587.8	966847.7	844.80	845.40	0.60	MH	NW corner of Monroe & Roosevelt, edge of parking lot	26-Jul-05	34.0	32.0	8.0	17.0	32.0	15.0	2.0	0.020	PVC	2.0	PVC	32.0	**EN-492A**	812.8	Upper Aquifer
EN-492T	766588.2	966851.7	844.70	846.82	2.12	SP	N. side of Monroe St, E. of Roosevelt, next to EN-492A	23-Aug-05	38.0	37.0	20.0	29.8	31.8	2.0	8.0	0.035	SS	8.0	SS	32.0	**EN-492T**	812.7	Upper Aquifer
EN-493	766959.9	965166.2	848.80	848.33	-0.47	MH	Madison Ave parking lot, ~100 ft N of EN-091T	15-Aug-05	38.0	35.3	8.0	20.3	35.3	15.0	2.0	0.020	PVC	2.0	PVC	35.3	**EN-493**	813.5	Upper Aquifer
EN-494	766939.8	965167.7	848.90	848.48	-0.42	MH	Madison Ave parking lot, ~80 ft N of EN-091T	16-Aug-05	38.0	35.5	8.0	20.5	35.5	15.0	2.0	0.020	PVC	2.0	PVC	35.5	**EN-494**	813.4	Upper Aquifer
EN-495	766919.1	965168.7	848.70	848.13	-0.57	MH	Madison Ave parking lot, ~60 ft N of EN-091T	17-Aug-05	36.0	34.3	8.0	19.3	34.3	15.0	2.0	0.020	PVC	2.0	PVC	34.3	**EN-495**	814.4	Upper Aquifer
EN-496	766899.6	965169.2	848.80	848.29	-0.51	MH	Madison Ave parking lot, ~40 ft N of EN-091T	18-Aug-05	36.0	34.5	8.0	19.5	34.5	15.0	2.0	0.020	PVC	2.0	PVC	34.5	**EN-496**	814.3	Upper Aquifer
EN-497	766880.5	965170.3	848.60	848.28	-0.32	MH	Madison Ave parking lot, ~20 ft N of EN-091T	30-Aug-05	36.0	35.3	8.0	20.3	35.3	15.0	2.0	0.020	PVC	2.0	PVC	35.3	**EN-497**	813.3	Upper Aquifer

B-1: Physical Well Data and Well Specifications

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-498	766840.0	965173.3	847.50	846.73	-0.77	MH	Madison Ave parking lot, ~20 ft S of EN-091T	18-Aug-05	38.0	36.5	8.0	21.5	36.5	15.0	2.0	0.020	PVC	2.0	PVC	36.5	**EN-498**	811.0	Upper Aquifer
EN-499A	766358.8	966093.9	846.60	846.40	-0.20	MH	E side of Grant Ave, S of Monroe St, ~5 ft N of EN-499B	23-Aug-05	32.0	32.0	8.0	17.0	32.0	15.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-499A**	NE	Upper Aquifer
EN-499B	766361.4	966094.0	846.60	846.28	-0.32	MH	E side of Grant Ave, S of Monroe St	23-Aug-05	46.0	43.5	8.0	33.5	43.5	10.0	2.0	0.020	PVC	2.0	PVC	43.5	**EN-499B**	803.1	Upper Aquifer
EN-499T	766355.0	966093.1	846.30	846.06	-0.24	Vault	In front of 103 Grant Ave	27-Oct-05	50.0	48.5	16.0	41.5	43.5	2.0	8.0	0.050	SS	8.0	SS	43.5	**EN-499T**	802.8	Upper Aquifer
EN-500A	766218.1	966103.4	844.70	844.47	-0.23	MH	E side of Grant Ave, S of Monroe St, ~3 ft NW of EN-500B	26-Aug-05	31.0	31.0	8.0	16.0	31.0	15.0	2.0	0.020	PVC	2.0	PVC	NE	**EN-500A**	NE	Upper Aquifer
EN-500B	766216.2	966106.2	844.90	844.55	-0.35	MH	E side of Grant Ave, S of Monroe St, E of EN-446A/B	24-Aug-05	44.0	43.0	8.0	33.0	43.0	10.0	2.0	0.020	PVC	2.0	PVC	43.0	**EN-500B**	801.9	Upper Aquifer
EN-501	766037.4	966117.3	842.90	842.49	-0.41	MH	E side of Grant Ave, S of Monroe St, S of 111 Grant	25-Aug-05	36.0	35.0	8.0	20.0	35.0	15.0	2.0	0.020	PVC	2.0	PVC	35.0	**EN-501**	807.9	Upper Aquifer
EN-501T	766033.8	966117.5	842.80	841.97	-0.83	Vault	E side of Grant Ave. immediately S of 111 Grant entrance	06-Dec-05	40.0	40.0	16.0	20.0/28.0	26.0/35.0	6.0/7.0	8.0	0.075/0.035	SS	8.0	SS	36.0	**EN-501T**	806.8	Upper Aquifer
EN-502	766997.8	965054.0	847.70	847.14	-0.56	MH	W side of Madison Ave, ~ 100 ft N of EN-451T	26-Jan-06	36.0	34.0	8.0	19.0	34.0	15.0	2.0	0.020	PVC	2.0	PVC	33.8	**EN-502**	814.0	Upper Aquifer
EN-503	766796.0	965068.6	845.40	844.94	-0.46	MH	W side of Madison Ave, ~ 100 ft S of EN-451T	25-Jan-06	36.0	35.5	8.0	20.5	35.5	15.0	2.0	0.020	PVC	2.0	PVC	35.3	**EN-503**	810.1	Upper Aquifer
EN-504	766883.2	965097.9	846.50	845.97	-0.53	MH	E side of Madison Ave, ~ 50 ft E of EN-451T	24-Jan-06	38.0	36.0	8.0	21.0	36.0	15.0	2.0	0.020	PVC	2.0	PVC	35.8	**EN-504**	810.7	Upper Aquifer
EN-505	766536.2	966852.2	844.20	843.84	-0.36	MH	S of EN-491T, front of 1700 Monroe St	30-Jan-06	30.0	29.0	8.0	14.0	29.0	15.0	2.0	0.020	PVC	2.0	PVC	29.0	**EN-505**	815.2	Upper Aquifer
EN-506	766525.5	966701.3	844.60	844.21	-0.39	MH	S of EN-491T, front of 1610 Monroe St	27-Jan-06	32.0	30.0	8.0	20.0	30.0	10.0	2.0	0.020	PVC	2.0	PVC	29.8	**EN-506**	814.8	Upper Aquifer
EN-507	768092.0	966077.9	839.00	840.75	1.75	SP	Approx. 10 ft E of EN-428	09-Jun-06	15.0	14.0	8.0	7.0	14.0	7.0	2.0	0.020	PVC	2.0	PVC	13.8	**EN-507**	825.3	Upper Aquifer
EN-508	767785.6	966038.2	848.10	847.68	-0.42	MH	east side of Building 18, SW of EN-21	25-Jan-07	20.0	19.0	8.0	9.0	19.0	10.0	2.0	0.020	PVC	2.0	PVC	18.8	**EN-508**	829.4	Upper Aquifer
EN-509	767955.8	965960.2	846.00	845.70	-0.30	MH	NE side of Building 18, W of Building 264/268, S of RR	25-Jan-07	18.0	17.5	8.0	7.5	17.5	10.0	2.0	0.020	PVC	2.0	PVC	17.5	**EN-509**	828.5	Upper Aquifer
EN-509T	767956.1	965963.6	846.00	848.49	2.49	SP	NE side of Bldg 18, W of Bldg 264/268, 5 ft E of EN-509	15-Dec-10	22.5	22.5	16.0	12.0	17.5	5.5	8.0	0.050	SS	8.0	SS	17.5	**EN-509T**	828.5	Upper Aquifer
EN-510	766436.8	964969.1	840.10	839.83	-0.27	MH	Front of parking lot at 1105 Monroe St	20-Apr-07	30.0	27.0	8.0	12.0	27.0	15.0	2.0	0.020	PVC	2.0	PVC	27.0	**EN-510**	813.1	Upper Aquifer
EN-510T	766437.2	964971.9	840.00	841.54	1.54	MH	Front of parking lot at 1105 Monroe St	14-May-07	32.0	32.0	18.0	12.0/22.0	16.0/27.0	4.0/5.0	10.0	0.050/0.050	SS	10.0	SS	27.0	**EN-510T**	813.0	Upper Aquifer
EN-511	766445.2	965084.2	840.20	839.89	-0.31	MH	NW corner of Madison Ave & Monroe St, 1109 Monroe St	19-Apr-07	30.0	29.0	8.0	14.0	29.0	15.0	2.0	0.020	PVC	2.0	PVC	29.0	**EN-511**	811.2	Upper Aquifer
EN-513	767173.1	966476.6	850.00	849.57	-0.43	MH	S of Bldg 42, approx 4 feet NE of EN-D37	17-May-07	26.0	24.0	8.0	19.0	24.0	5.0	2.0	0.020	PVC	2.0	PVC	24.0	**EN-513**	826.0	Upper Aquifer
EN-514	767102.0	966573.0	848.00	847.43	-0.57	MH	near SW corner of Bldg 40, east of alley in lawn	11-Sep-07	24.0	21.5	8.0	11.5	21.5	10.0	2.0	0.020	PVC	2.0	PVC	21.5	**EN-514**	826.5	Upper Aquifer
EN-515	767132.0	966430.0	849.90	849.48	-0.42	MH	S edge of alley, S of Bldg 42 near McKinley Ave	11-Sep-07	26.0	24.5	8.0	9.5	24.5	15.0	2.0	0.020	PVC	2.0	PVC	24.0	**EN-515**	825.9	Upper Aquifer
EN-516	767165.0	966354.0	850.00	849.70	-0.30	MH	W side of McKinley Ave, W of EN-D49	12-Sep-07	34.0	32.0	8.0	17.0	32.0	15.0	2.0	0.020	PVC	2.0	PVC	31.8	**EN-516**	818.2	Upper Aquifer
EN-517	766432.0	964904.0	840.10	839.87	-0.23	MH	Along Monroe St., W of EN-510T	13-Sep-07	32.0	30.0	8.0	15.0	30.0	15.0	2.0	0.020	PVC	2.0	PVC	30.0	**EN-517**	810.1	Upper Aquifer
EN-518	766441.0	965026.0	840.50	840.24	-0.26	MH	Along Monroe St., E of EN-510T and W of EN-511	13-Sep-07	28.0	26.0	8.0	11.0	26.0	15.0	2.0	0.020	PVC	2.0	PVC	26.0	**EN-518**	814.5	Upper Aquifer
EN-519	766538.0	965086.0	841.70	841.19	-0.51	MH	Front of 26 Madison Avenue, W. side of Madison Ave	15-Oct-07	38.0	35.5	8.0	20.5	35.5	15.0	2.0	0.020	PVC	2.0	PVC	36.0	**EN-519**	805.7	Upper Aquifer
EN-520	767451.0	965121.0	850.20	849.58	-0.62	MH	W. of Building 14, E. of Oak Hill Ave, edge of parking lot	17-Dec-07	30.0	24.0	8.0	14.0	24.0	10.0	2.0	0.020	PVC	2.0	PVC	24.0	**EN-520**	826.2	Upper Aquifer
EN-521	767627.0	965455.0	848.40	848.14	-0.26	MH	Bldg 14 parking lot, S of B94 cooling towers	08-Jan-08	26.0	19.5	8.0	14.5	19.5	5.0	2.0	0.020	PVC	3.0	PVC	19.5	**EN-521**	828.9	Upper Aquifer
EN-522	768009.1	966612.2	837.80	837.45	-0.35	MH	E. of EN-107 on E side of old transfer station bldg	06-May-08	16.0	13.0	8.0	6.0	13.0	7.0	2.0	0.020	PVC	2.0	PVC	13.0	**EN-522**	824.8	Upper Aquifer
EN-523	765849.9	965895.9	838.80	838.39	-0.41	MH	N side of Broad St., west of Grant Ave.	23-Feb-10	16.0	15.0	8.0	5.0	15.0	10.0	2.0	0.020	PVC	2.0	PVC	15.0	**EN-523**	823.8	Upper Aquifer
EN-524	765857.0	965997.8	840.20	839.87	-0.33	MH	N side of Broad St., east of Garfield Ave.	24-Feb-10	21.0	19.0	8.0	9.0	19.0	10.0	2.0	0.020	PVC	2.0	PVC	19.0	**EN-524**	821.2	Upper Aquifer
EN-525	767340.6	965843.7	850.60	850.06	-0.54	MH	Adjacent to EN-525T, approx 4 feet SW	16-Sep-10	24.0	23.2	8.0	8.2	23.2	15.0	2.0	0.020	PVC	2.0	PVC	23.2	**EN-525**	827.4	Upper Aquifer
EN-525T	767342.5	965846.9	850.50	849.70	-0.80	MH	S. side of North St., betw/ Garfield & Grant Aves	21-Jul-10	28.0	28.0	14.0	10/21	18/23	8/2	8.0	0.050/0.050	SS	8.0	SS	23.2	**EN-525T**	827.3	Upper Aquifer
EN-526	767265.0	965866.7	851.00	850.57	-0.43	MH	In parking lot, S of EN-525T, N of EN-284P	16-Sep-10	50.0	47.8	8.0	37.8	47.8	10.0	2.0	0.020	PVC	2.0	PVC	47.8	**EN-526**	803.2	Upper Aquifer
EN-527	767693.0	967505.0	849.10	848.76	-0.34	MH	Center of Ideal Cleaners parking lot	13-Apr-11	24.0	21.2	8.0	11.2	21.2	10.0	2.0	0.020	CPVC	2.0	CPVC	21.2	**EN-527**	827.9	Upper Aquifer
EN-528	767613.3	967457.1	849.30	848.95	-0.35	MH	South of Ideal Cleaners parking lot, 5 ft W of SVI	12-Apr-11	26.0	22.0	8.0	12.0	22.0	10.0	2.0	0.020	CPVC	2.0	CPVC	22.0	**EN-528**	827.3	Upper Aquifer
EN-529	766712.7	965688.2	847.10	846.72	-0.38	MH	W side of Garfield Ave, approx 5 feet S of EN-529T	14-Sep-10	36.0	35.4	8.0	20.4	35.4	15.0	2.0	0.020	PVC	2.0	PVC	35.4	**EN-529**	811.7	Upper Aquifer
EN-529T	766717.7	965687.5	847.30	849.97	2.67	SP	W side of Garfield Ave, N of Monroe St in parking lot	08-Nov-10	40.5	40.5	10.0	24.5/32.4	31/35.4	6.5/3	10.0	0.035	SS	10.0	SS	35.4	**EN-529T**	811.9	Upper Aquifer
EN-530T	767118.1	965601.4	850.60	853.40	2.80	SP	N end of Village parking lot, W side of Garfield Ave	16-Nov-11	33.0	31.8	18.0	10/24.75	15.5/26.75	5.5/2	10.0	0.060/0.060	SS	10.0	SS	27.3	**EN-530T**	823.4	Upper Aquifer
EN-531	767109.3	965547.6	849.70	849.22	-0.48	MH	NW corner of Village parking lot, W side of Garfield Ave	21-Sep-11	28.0	26.5	10.0	11.5	26.5	15.0	4.0	0.020	PVC	4.0	PVC	26.5	**EN-531**	823.2	Upper Aquifer
EN-532	766595.7	965194.1	845.30	844.84	-0.46	MH	Village parking lot, E of Madison Ave., S of EN-532T	18-Jul-13	40.0	39.5	8.0	24.5	39.5	15.0	2.0	0.020	PVC	2.0	PVC	37.1	**EN-532**	808.2	Upper Aquifer
EN-532T	766662.8	965186.5	845.20	847.59	2.39	SP	Village parking lot, E of Madison Ave., S. of cinema	28-Aug-13	43.0	43.0	18.0	23/35	27/38	4.0/3.0	10.0	0.075/0.035	SS	10.0	SS	38.4	**EN-532T**	806.8	Upper Aquifer
EN-533	768082.8	965522.2	836.50	836.11	-0.39	MH	W. side of Bldg 48, near SW corner of building	25-Jul-13	16.0	15.0	8.0	5.0	15.00	10.0	2.0	0.020	PVC	2.0	PVC	15.0	**EN-533**	821.5	Upper Aquifer
EN-534	766731.6	965438.1	845.00	844.63	-0.37	MH	E. side of Washington Ave in sidewalk, front of M&T Bank	26-Oct-13	37.0	36.0	8.0	21.0	36.00	15.0	2.0	0.020	PVC	3.0	PVC	36.0	**EN-534**	809.0	Upper Aquifer
EN-600	768416.7	967852.9	843.70	843.47	-0.23	MH	Building 57	29-Jul-05	18.0	16.8	6.0/4.0	11.8	16.8	5.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-600**	NA	Lower
EN-601	768417.1	967860.0	843.70	843.32	-0.38	MH	Building 57	01-Aug-05	8.0	4.7	6.0	2.0	4.5	2.5	1.5	0.010	PVC	1.5	PVC	NE	**EN-601**	NA	Upper
EN-604	768517.5	968419.5	842.10	841.75	-0.35	MH	Building 57	2005	14.7	14.0	6.0/4.0	9.0	14.0	5.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-604**	NA	Lower
EN-605	768516.9	968414.4	842.10	841.75	-0.35	MH	Building 57	2005	5.5	3.5	6.0	2.0	3.5	1.5	1.5	0.010	PVC	1.5	PVC	NE	**EN-605**	NA	Upper
EN-606	768560.2	968647.0	842.30	842.02	-0.28	MH	Building 57	2005	20.4	20.2	6.0/4.0	14.1	20.1	6.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-606**	NA	Lower
EN-608	768617.7	968744.0	843.40	843.11	-0.29	MH	Building 57	2005	22.2	20.5	6.0/4.0	16.5	20.5	4.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-608**	NA	Lower
EN-616	768748.7	968985.2	844.30	843.98	-0.32	MH	Building 57	2005	29.0	25.5	6.0/4.0	18.5	25.5	7.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-616**	NA	Lower
EN-617	768743.3	968985.9	844.40	844.09	-0.31	MH	Building 57	2005	9.0	7.0	6.0	2.0	7.0	5.0	1.5	0.010	PVC	1.5	PVC	NE	**EN-617**	NA	Upper
EN-618	768680.3	968559.9	843.00	842.72	-0.28	MH	Building 57	2005	25.4	14.5	6.0/4.0	9.5	14.5	5.0	1.5	0.010	PVC	1.5	PVC	Absent	**EN-618**	NA	Lower
EN-623	768595.7	968860.3	845.50	847.97	2.47	SP	Building 57	2005	24.5	24.1	12.0	17.1	21.1	4.0	6.0	0.010	SS	6.0	SS	Absent	**EN-623**	NA	Lower
EN-624	768621.6	969002.7	846.30	849.01	2.71	SP	Building 57	2005	26.0	25.9	12.0	17.9	22.9	5.0	6.0	0.010	SS	6.0	SS	Absent	**EN-624**	NA	Lower
EN-626	768608.5	967837.2	843.30	842.76	-0.54	MH	Building 57	2006	24.2	24.2	10.0	10.5	17.5	7.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-626**	NA	Lower
EN-632	768575.1	968726.2	843.10	842.67	-0.43	MH	Building 57	2005	20.0	20.0	6.0/4.0	15.0	20.0	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-632**	NA	Lower
EN-638	768803.4	968984.0	841.90	841.56	-0.34	MH	Building 57	2005	18.2	17.7	8.0	13.5	17.7	4.2	2.0	0.010	PVC	2.0	PVC	Absent	**EN-638**	NA	Lower
EN-640	768797.7	968865.3	842.90	842.48	-0.42	MH	Building 57	2005	14.0	14.0	8.0	4.0	14.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-640**	NA	Upper & Lower
EN-641	768605.1	969036.5	838.50	840.68	2.18	SP	Building 57	2009	---	---	---	2.0	4.0	2.0	2.0	---	---	2.0	---	NE	**EN-641**	NA	Upper
EN-642	768788.3	968680.4	844.50	844.00	-0.50	MH	Building 57	2006	16.8	14.0	8.0	4.0	14.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-642**	NA	Upper & Lower
EN-644	768771.9	968398.0	846.70	846.19	-0.51	MH	Building 57	2006	13.4	13.0	8.0	4.0	13.0	9.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-644**	NA	Upper & Lower
EN-648	768761.9	968218.7	846.40	845.89	-0.51	MH	Building 57	2006	13.5	13.2	8.0	4.2	13.2	9.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-648**	NA	Upper & Lower
EN-650	768750.9	968022.5	845.60	845.21	-0.39	MH	Building 57	2006	18.0	17.0	6.0/4.0	10.0	17.0	7.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-650**	NA	Upper & Lower
EN-651	768518.9	969146.7	843.40	845.27	1.87	SP	Building 57-Gault Chevrolet property	2007	26.0	26.0	8.0	18.0	26.0	8.0	2.0	0.010	PVC	2.0	PVC	25.7	**EN-651**	817.7	Lower
EN-652	768342.1	968959.2	844.00	843.62	-0.38	MH	Building 57	2007	46.0	45.0	8.0	40.0	45.0	5.0	2.0	0.010	PVC	2.0	PVC	14.2	**EN-652**	829.8	Deep

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-653	768534.2	969249.9	842.90	844.54	1.64	SP	Building 57-Gault Chevrolet property	2007	23.0	23.0	8.0	18.0	23.0	5.0	2.0	0.010	PVC	2.0	PVC	22.7	**EN-653**	820.2	Lower
EN-654	768434.1	969060.2	839.60	839.25	-0.35	MH	Building 57	2007	42.9	42.9	8.0	37.9	42.9	5.0	2.0	0.010	PVC	2.0	PVC	12.9	**EN-654**	826.7	Deep
EN-655	768430.3	969059.6	839.60	839.28	-0.32	MH	Building 57	2007	15.0	13.9	8.0	8.7	13.7	5.0	2.0	0.010	PVC	2.0	PVC	13.7	**EN-655**	825.9	Upper & Lower
EN-656	768516.4	969137.4	843.40	844.90	1.50	SP	Building 57-Gault Chevrolet property	2007	38.5	38.5	8.0	33.5	38.5	5.0	2.0	0.010	PVC	2.0	PVC	25.7	**EN-656**	817.7	Deep
EN-657	768518.0	969142.5	843.30	845.10	1.80	SP	Building 57-Gault Chevrolet property	2007	17.0	17.0	8.0	7.0	17.0	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-657**	NA	Upper
EN-658	768533.2	969244.4	842.80	844.64	1.84	SP	Building 57-Gault Chevrolet property	2007	46.0	44.0	8.0	39.0	44.0	5.0	2.0	0.010	PVC	2.0	PVC	22.7	**EN-658**	820.1	Deep
EN-659	768535.2	969254.8	842.60	844.57	1.97	SP	Building 57-Gault Chevrolet property	2007	18.0	18.0	8.0	8.0	18.0	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-659**	NA	Upper
EN-679	768042.5	968435.8	849.60	851.71	2.11	SP	Building 57-Gault Chevrolet property	09-Apr-08	27.0	25.0	8.0/2.0	10.0	25.0	15.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-679**	NA	Upper & Lower
EN-684A	768024.4	968317.0	849.60	849.45	-0.15	MH	Building 57-Gault Chevrolet property	2009	---	---	---	41.0	46.0	5.0	2.0	---	---	2.0	---	Absent	**EN-684A**	NA	Upper & Lower
EN-687	767999.4	968073.2	848.10	847.83	-0.27	MH	Building 57-Gault Chevrolet property	2008	30.0	30.0	8.0	25.0	30.0	5.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-687**	NA	Upper & Lower
EN-692	768571.1	968591.8	842.20	841.76	-0.44	MH	Building 57	2009	15.0	13.0	10.0/4.0	10.0	13.0	3.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-692**	NA	Lower
EN-694	768489.5	969057.4	838.50	838.17	-0.33	MH	Building 57	2009	24.0	20.5	8.0	15.5	20.5	5.0	2.0	0.010	PVC	2.0	PVC	20.5	**EN-694**	818.0	Lower
EN-695	768484.7	969057.6	838.60	838.14	-0.46	MH	Building 57	2009	12.0	12.0	8.0	4.0	12.0	8.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-695**	NA	Upper
EN-696	768480.7	968903.3	843.20	845.50	2.30	SP	Building 57-Gault Chevrolet property	2009	30.0	25.8	8.0	20.8	25.8	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-696**	NA	Upper & Lower
EN-697	768479.2	968898.3	843.50	845.63	2.13	SP	Building 57-Gault Chevrolet property	2009	14.5	14.5	8.0	4.6	14.6	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-697**	NA	Upper & Lower
EN-698	768456.2	968752.4	847.00	849.01	2.01	SP	Building 57-Gault Chevrolet property	2009	32.0	29.5	8.0	24.5	29.5	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-698**	NA	Upper & Lower
EN-699	768455.5	968756.9	847.30	849.05	1.75	SP	Building 57-Gault Chevrolet property	2009	20.0	19.6	8.0	9.6	19.6	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-699**	NA	Upper & Lower
EN-700	768442.6	968652.6	845.20	846.95	1.75	SP	Building 57-Gault Chevrolet property	2009	34.0	33.5	8.0	28.5	33.5	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-700**	NA	Lower
EN-701	768437.8	968654.0	845.70	847.23	1.53	SP	Building 57-Gault Chevrolet property	2009	22.0	21.9	8.0	16.9	21.9	5.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-701**	NA	Lower
EN-702	768419.9	968502.6	839.40	841.14	1.74	SP	Building 57-Gault Chevrolet property	2009	26.0	24.3	8.0	19.3	24.3	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-702**	NA	Lower
EN-703	768420.6	968507.1	839.40	841.21	1.81	SP	Building 57-Gault Chevrolet property	2009	17.4	17.4	8.0	12.3	17.3	5.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-703**	NA	Lower
EN-704	768277.4	968610.1	840.90	840.54	-0.36	MH	Building 57	2009	26.0	22.2	8.0	17.2	22.2	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-704**	NA	Upper & Lower
EN-705	768272.9	968611.4	841.00	840.57	-0.43	MH	Building 57	2009	17.0	16.9	8.0	6.9	16.9	10.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-705**	NA	Upper & Lower
EN-708	768437.8	968654.0	845.70	847.25	1.55	SP	Building 57-Gault Chevrolet property	2009	11.0	11.0	8.0	6.0	11.0	5.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-708**	NA	Upper
EN-709	768240.8	968313.9	847.40	848.86	1.46	SP	Building 57-Gault Chevrolet property	09-Apr-10	25.0	25.0	12.0	15.0	20.0	5.0	6.0	0.030	SS	6.0	SS	Absent	**EN-709**	NA	Upper & Lower
EN-710	768559.1	968492.5	842.60	845.06	2.46	SP	Building 57	09-Apr-10	21.0	21.0	12.0	13.0	16.0	3.0	6.0	0.020	SS	6.0	SS	Absent	**EN-710**	NA	Lower
EN-711	768698.2	969321.0	841.30	843.13	1.83	SP	Building 57-Endicott Research Group property	22-Jul-10	18.0	17.0	10.0	12.0	17.0	5.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-711**	NA	Lower
EN-712	768698.2	969321.0	841.30	843.17	1.87	SP	Building 57-Endicott Research Group property	22-Jul-10	34.5	30.0	10.0	25.0	30.0	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-712**	NA	Lower
EN-713	768698.8	969318.2	841.20	843.21	2.01	SP	Building 57-Endicott Research Group property	22-Jul-10	6.0	6.0	8.0	3.0	6.0	3.0	2.0	0.010	PVC	2.0	PVC	NE	**EN-713**	NA	Upper
EN-714	768202.2	968034.5	847.00	846.64	-0.36	MH	Building 57-Gault Chevrolet property, replaces EN-109	20-Jul-12	24.3	24.3	8.0	13.8	24.3	10.5	2.0	0.010	PVC	2.0	PVC	Absent	**EN-714**	NA	Upper & Lower
EN-715	768293.7	968285.0	847.60	847.20	-0.40	MH	Building 57-Gault Chevrolet property, replaces EN-683	20-Jul-12	25.4	25.4	8.0	19.4	25.4	6.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-715**	NA	Lower
EN-716	768317.6	968385.3	844.10	843.72	-0.38	MH	Building 57-Gault Chevrolet property, replaces EN-681	19-Jul-12	23.1	23.1	8.0	18.1	23.1	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-716**	NA	Lower
EN-717	768155.2	968280.3	847.80	847.36	-0.44	MH	Building 57-Gault Chevrolet property, replaces EN-678	19-Jul-12	25.8	25.8	8.0	15.8	25.8	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-717**	NA	Upper & Lower
EN-718	768209.1	968415.3	843.60	843.28	-0.32	MH	Building 57-Gault Chevrolet property, replaces EN-108	19-Jul-12	26.1	26.1	8.0	13.1	26.1	13.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-718**	NA	Upper & Lower
EN-719	768130.7	968409.8	845.10	844.65	-0.45	MH	Building 57-Gault Chevrolet property, replaces EN-303A	19-Jul-12	18.8	18.8	8.0	11.1	18.8	7.7	2.0	0.010	PVC	2.0	PVC	Absent	**EN-719**	NA	Upper & Lower
EN-720	768117.0	968410.6	845.40	845.05	-0.35	MH	Building 57-Gault Chevrolet property	19-Jul-12	35.0	35.0	8.0	25.0	35.0	10.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-720**	NA	Upper & Lower
EN-721	768687.8	968995.4	845.40	844.93	-0.47	MH	Building 57, replaces EN-615	14-May-13	9.5	9.5	8.0	4.5	9.5	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-721**	NA	Upper
EN-722	768687.3	968992.5	845.40	844.86	-0.54	MH	Building 57, replaces EN-636	14-May-13	28.0	27.9	8.0	18.0	28.0	10.0	2.0	0.010	SS	2.0	SS	Absent	**EN-722**	NA	Lower
EN-723	768627.9	968828.1	845.00	844.70	-0.30	MH	Building 57, replaces EN-674	15-May-13	20.0	20.0	8.0	15.0	20.0	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-723**	NA	Lower
EN-724	768537.0	968516.6	842.10	841.79	-0.31	MH	Building 57, replaces EN-688	16-May-13	19.0	16.4	8.0	13.5	16.5	3.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-724**	NA	Lower
EN-725	768535.8	968508.5	842.10	841.73	-0.37	MH	Building 57	15-May-13	32.0	32.0	8.0	27.0	32.0	5.0	2.0	0.010	PVC	2.0	PVC	Absent	**EN-725**	NA	Bedrock
EN-726	768049.7	968550.8	850.90	850.34	-0.56	MH	Building 57-Gault Chevrolet property	25-Jul-13	65.0	65.0	8.0	60.0	64.9	4.9	2.0	0.010	PVC	2.0	PVC	Absent	**EN-726**	NA	Bedrock
EN-727	768063.8	968786.8	853.70	853.26	-0.44	MH	Building 57-Gault Chevrolet property	24-Jul-13	81.0	81.0	8.0	75.6	80.6	5.0	2.0	0.010	PVC	2.0	PVC	31.7	**EN-727**	822.0	Bedrock
EN-D01	765385.1	964797.4	838.80	841.58	2.78	SP	Jefferson Ave, between Broad & Park	20-Sep-80	165.0	152.0	12.0	NA	NA	NA	NA	NA	OH	4.0	BS	24.0	**EN-D01**	814.8	Bedrock
EN-D02	765910.5	966134.0	842.06	844.84	2.78	SP	Building 699 (SW corner), on Grant St	03-Sep-80	136.0	123.0	6.0	119.0	123.0	4.0	6.0	0.020	SS	6.0	BS	21.0	**EN-D02**	821.1	Lower Aquifer
EN-D03	764640.5	964647.9	840.55	843.26	2.71	SP	Main & Lincoln, NE corner	06-Oct-80	170.0	160.0	6.0	116.3	160.0	43.7	6.0	0.020	SS	6.0	BS	45.0	**EN-D03**	795.6	Lower Aquifer
EN-D04	765372.0	968361.1	852.16	854.87	2.71	SP	Riverview Dr & Jackson Ave, near river	12-May-87	177.0	177.0	8.0	167.0	177.0	10.0	4.0	0.020	SS	4.0	GS	39.0	**EN-D04**	813.2	Lower Aquifer
EN-D04S	765372.0	968361.1	852.16	854.60	2.44	SP	Riverview Dr & Jackson Ave, near river	12-May-87	177.0	110.0	8.0	100.0	110.0	10.0	2.0	0.020	SS	2.0	GS	39.0	**EN-D04S**	813.2	Lower Aquifer
EN-D05	765917.6	969457.0	831.70	834.51	2.81	SP	Riverview Dr & Jackson Ave, near river	22-Apr-87	155.0	150.0	8.0	140.0	150.0	10.0	4.0	0.020	SS	4.0	GS	36.0	**EN-D05**	795.7	Lower Aquifer
EN-D05S	765917.6	969457.0	831.70	834.30	2.60	SP	Riverview Dr & Jackson Ave, near river	22-Apr-87	155.0	83.0	8.0	73.0	83.0	10.0	2.0	0.020	SS	2.0	GS	36.0	**EN-D05S**	795.7	Lower Aquifer
EN-D06	767177.6	966476.6	850.01	852.94	2.93	SP	Cafeteria parking lot on McKinley Ave	11-Jan-91	151.6	107.0	10.0	90.0	107.0	17.0	4.0	0.020	SS	4.0	SS	31.0	**EN-D06**	819.0	Ice Contact/Till
EN-D07	766581.2	966653.9	845.48	848.03	2.55	SP	Parking Lot No. 10, Monroe St E of McKinley Ave	04-Jan-91	105.0	105.0	6.0	85.0	105.0	20.0	2.0	0.010	SS	2.0	SS	33.0	**EN-D07**	812.5	Ice Contact/Till
EN-D08	767078.2	967776.7	851.31	853.87	2.56	SP	Jackson Ave, Building 251 (HBE School)	30-Mar-92	75.5	41.0	16.0/12.0	70.5	75.5	5.0	4.0	0.010	SS	4.0	SS	28.0	**EN-D08**	823.3	Ice Contact/Till
EN-D09	767057.6	967776.2	851.51	854.64	3.13	SP	Jackson Ave, Building 251 (HBE School)	30-Mar-92	152.0	121.5	24/16/12/8/5.5	122.0	152.0	30.0	4.0	0.010	SS	4.0	SS	33.0	**EN-D09**	818.5	Bedrock
EN-D10	766742.3	967050.9	846.35	849.53	3.18	SP	Parking Lot No. 22, along Adams Ave	30-Mar-92	136.0	132.8	24/16/12/8/6	102.8	132.8	30.0	4.0	0.010	SS	4.0	SS	35.0	**EN-D10**	811.4	Bedrock
EN-D11	766879.9	966327.3	850.50	850.24	-0.26	MH	Parking Lot No. 20, S of Credit Union	30-Jun-92	180.0	128.3	24/16/12/8/5.5	149.0	179.0	30.0	4.0	0.010	SS	4.0	SS	28.5	**EN-D11**	822.0	Bedrock
EN-D12	767321.1	966227.4	851.74	854.05	2.31	SP	Parking Lot No. 25, NW of Credit Union	30-Jun-92	76.5	36.0	24.0/16.0	71.5	76.5	5.0	4.0	0.010	SS	4.0	SS	30.0	**EN-D12**	821.7	Ice Contact/Till
EN-D13	768066.6	966455.0	843.04	845.31	2.27	SP	Building 47 on S side of RR tracks	08-Feb-94	128.0	128.0	6.0	98.0	128.0	30.0	4.0	0.010	SS	4.0	SS	21.0	**EN-D13**	822.0	Bedrock
EN-D14	768068.7	966466.2	843.33	846.22	2.89	SP	Building 47 on S side of RR tracks	08-Feb-94	65.0	63.0	8.0	53.0	63.0	10.0	4.0	0.010	SS	4.0	SS	24.0	**EN-D14**	819.3	Ice Contact/Till
EN-D30	767015.0	967027.0	848.29	848.01	-0.28	MH	W side of Adams Ave, 7 ft SE of EN-281	08-Sep-03	103.0	103.0	6.0	88.0	103.0	15.0	2.0	0.010	PVC	2.0	PVC	22.5	**EN-D30**	825.8	Ice Contact/Till
EN-D31	766178.0	966710.0	846.45	846.15	-0.30	MH	S side of Columbus St, 10 ft W of EN-214A	15-Aug-03	118.0	118.0	4.0	103.0	118.0	15.0	2.0	0.010	PVC	2.0	PVC	50.0	**EN-D31**	796.5	Ice Contact/Till
EN-D32	766340.0	968491.0	838.34	837.82	-0.52	MH	NW of intersection Delaware Ave & Tracy St	03-Oct-03	138.0	120.0	12.0	105.0	120.0	15.0	2.0	0.010	PVC	2.0	PVC	43.0	**EN-D32**	795.3	Lower Aquifer
EN-D33	767575.7	966438.1	851.40	851.06	-0.34	MH	4 ft W of EN-35, S end of Building 28	06-Apr-04	117.0	117.0	12.0/6.0/4.0	107.0	117.0	10.0	2.0	0.010	PVC	2.0	PVC	27.0	**EN-D33**	824.4	Bedrock
EN-D34	767573.7	966428.0	851.30	850.81	-0.49	MH	10 ft W of EN-35, S end of Building 28	09-Apr-04	81.0	81.0	12.0/6.0	76.0	81.0	5.0	2.0	0.010	PVC	2.0	PVC	26.0	**EN-D34**	825.3	Ice Contact/Till
EN-D35	767023.4	967031.2	848.40	848.23	-0.17	MH	~5 ft N of EN-281, W side of Adams Ave	17-Jun-04	119.0	117.5	12.0/6.0/4.0	107.5	117.5	10.0	2.0	0.010	PVC	2.0	PVC	24.0	**EN-D35**	824.4	Bedrock
EN-D36	766559.7	966655.1	846.00	845.50	-0.50	MH	~15 ft S of EN-D07, N side of Monroe St	07-Jun-04	129.5	129.5	12.0/6.0/4.0	119.5	129.5	10.0	2.0	0.010	PVC	2.0	PVC	34.0	**EN-D36**	812.0	Bedrock
EN-D37	767170.2	966474.1	849.90	849.67	-0.23	MH	4 ft S of EN-D06, E side of McKinley Ave	27-May-04	121.0	121.0	12.0/6.0/4.0	111.0	121.0	10.0	2.0	0.010	PVC	2.0	PVC	24.3	**EN-D37**	825.7	Bedrock

Well ID	Northing	Easting	G.S. Elevation	Current M.P. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Well ID	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)		(ft amsl)	
EN-D38	767319.5	966223.5	851.90	851.62	-0.28	MH	~5 ft W of EN-D12, W of McKinley Ave	21-May-04	111.8	111.0	12.0/6.0/4.0	101.0	111.0	10.0	2.0	0.010	PVC	2.0	PVC	24.0	**EN-D38**	827.9	Bedrock
EN-D39	767371.4	965948.8	850.50	850.25	-0.25	MH	~10 ft W of EN-430, corner of Grant Ave & North St	12-Nov-04	103.5	97.5	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	24.0	**EN-D39**	826.5	Bedrock
EN-D40	767076.8	966223.8	850.20	849.83	-0.37	MH	Alley W of Credit Union, between Grant & McKinley Ave	14-Dec-04	110.0	107.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	23.0	**EN-D40**	827.2	Bedrock
EN-D41	766943.0	966589.5	846.80	846.50	-0.30	MH	In parking lot S of Building 40, betw/ McKinley & Roosevelt	01-Dec-04	122.0	102.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	24.0	**EN-D41**	822.8	Bedrock
EN-D42	767231.3	966702.5	844.10	843.81	-0.29	MH	N end of Roosevelt Ave, E side of Building 40	16-Nov-04	124.5	104.5	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	19.0	**EN-D42**	825.1	Bedrock
EN-D43	767669.7	966710.2	849.80	849.70	-0.10	MH	N side of North St, ~5 ft E of EN-472, in grassy area	02-Feb-05	112.0	92.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	26.0	**EN-D43**	823.8	Bedrock
EN-D44	767428.2	966286.4	852.60	852.77	0.17	MH	SW corner of North St & McKinley Ave	07-Feb-05	107.0	100.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	24.0	**EN-D44**	828.6	Bedrock
EN-D45	767411.2	966123.3	851.30	850.75	-0.55	MH	S side of North St, between Grant & McKinley	04-Jan-05	102.0	100.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	24.0	**EN-D45**	827.3	Bedrock
EN-D46	767601.8	966548.0	850.10	850.08	-0.02	MH	N side of North St, in front of Building 25	04-Feb-05	103.0	100.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	26.0	**EN-D46**	824.1	Bedrock
EN-D47	767731.4	966372.2	853.80	853.42	-0.38	MH	E side of McKinley, in sidewalk just N of Skybridge	12-Jan-05	113.0	94.0	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	26.0	**EN-D47**	827.8	Bedrock
EN-D48	767721.4	966982.3	845.90	845.75	-0.15	MH	N side of North St near DOT-4	15-Jul-05	109.5	89.5	16.0/10.0/6.0	OH	OH	OH	OH	OH	OH	6.0	BS	25.0	**EN-D48**	820.9	Bedrock
EN-D49	767202.2	966420.7	850.60	852.73	2.13	SP	SW of Building 42, E side of McKinley Ave	16-Jun-06	181.0	103.5	18.0/12.0/8.0	OH	OH	OH	OH	OH	OH	8.0	BS	30.0	**EN-D49**	820.6	Bedrock

Notes:
Planar coordinates, measuring point elevations and ground surface elevations are based on the May 2003 comprehensive well field survey with subsequent followup surveys through December 2013.
Coordinate base is New York State Central, NAD1983.
The coordinates and elevations for borings and wells that were abandoned before 2003 are estimated, where possible. These borings and wells are shaded gray on the table.

Key:
M.P./TOC = measuring point / top of casing (groundwater elevation reference point)
G.S. = ground surface
ft bgs = feet below ground surface
ft amsl = feet above mean sea level
SP = Standpipe surface completion
MH = Flush-mount manhole surface completion
PVC = Polyvinyl Chloride
LCS = Low carbon steel
SS = Stainless steel
BS = Bare steel
GS = Galvanized steel
OH = Open hole completion (no casing in bedrock)
NA = Data not available or not applicable
NE = Silt layer not encountered (silt may be present at greater depth)
Absent = Silt layer not present

B-2: Physical Well Data and Specifications: Other Wells

Endicott, NY **Site #704014**

Well ID	Northing	Easting	Current M.P. Elevation	G.S. Elevation	Stickup	Surface Completion	Location Description	Installation Date	Drilled Depth	Casing Depth	Boring Diameter	Depth to Screen Top	Depth to Screen Bottom	Screen Length	Screen Diameter	Slot Size	Screen Material	Casing Diameter	Casing Material	Depth to Top of Silt	Top of Silt Elevation	Unit
	(grid feet)	(grid feet)	(ft amsl)	(ft amsl)	(feet)				(ft bgs)	(ft bgs)	(in)	(ft bgs)	(ft bgs)	(ft)	(in)	(in)		(in)		(ft bgs)	(ft amsl)	
Dye Injection Wells																						
DI-1	767601.9	966083.1	849.06	849.3	-0.24	MH	E. side of Bldg 18, N. of North St.	17-Jan-07	22.0	20.0	8.0	15.0	20.0	5.0	2.0	0.020	PVC	2.0	PVC	20.0	829.3	Upper Aquifer
DI-2	767721.3	966062.2	848.32	848.6	-0.28	MH	E. side of Bldg 18, N. of North St.	18-Jan-07	24.0	23.2	8.0	18.2	23.2	5.0	2.0	0.020	PVC	2.0	PVC	23.2	825.4	Upper Aquifer
DI-3	767835.9	966043.0	846.48	846.9	-0.42	MH	Inside Bldg 18, in loading ramp E. of Elevator #24	22-Feb-07	24.0	21.0	2.5	16.0	21.0	5.0	1.0	0.020	PVC	1.0	PVC	21.0	825.9	Upper Aquifer
Schapiro Site Wells																						
RMJ-MW-1	766896.3	963748.0	843.41	844.1	-0.69	MH	Northeast side of Shapiro building, 709 North St.	08-Nov-04	34.0	34.0	8.0	19.0	34.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer
RMJ-MW-2	766899.5	963620.3	841.23	841.5	-0.27	MH	North side of Shapiro building, 709 North St.	09-Nov-04	32.0	31.0	8.0	16.0	31.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer
RMJ-MW-3	766731.4	963593.6	840.97	841.4	-0.43	MH	Southwest side of Shapiro building, 709 North St.	10-Nov-04	31.0	31.0	8.0	16.0	31.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer
RMJ-MW-4	766709.9	963713.3	843.32	843.6	-0.28	MH	Front (south side) of Shapiro building, 709 North St.	15-Feb-06	34.0	34.0	8.0	19.0	34.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer
RMJ-MW-5	766814.1	963516.2	838.79	839.2	-0.41	MH	West of Shapiro bldg, north of former Keytronics bldg	16-Feb-06	32.0	32.0	8.0	17.0	32.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer
RMJ-MW-6	766589.0	963443.7	839.69	840.0	-0.31	MH	Front (south side) of former Keytronics bldg	17-Feb-06	44.0	30.0	8.0	15.0	30.0	15.0	2.0	0.020	PVC	2.0	PVC	NA	NA	Upper Aquifer

Key:
M.P./TOC = measuring point / top of casing (groundwater elevation reference point)
G.S. = ground surface
ft bgs = feet below ground surface
ft amsl = feet above mean sea level
SP = Standpipe surface completion
MH = Flush-mount manhole surface completion
PVC = Polyvinyl Chloride
LCS = Low carbon steel
SS = Stainless steel
BS = Bare steel
GS = Galvanized steel
OH = Open hole completion (no casing in bedrock)
NA = Data not available or not applicable
NE = Silt layer not encountered (silt may be present at greater depth)
Absent = Silt layer not present

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-002	Standpipe	17.30	2.0	Yes	No	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-006	Standpipe	35.87	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs paint
EN-012	Standpipe	27.44	4.0	Yes	No	Yellow	10 3/4"	Good	2" SP	Needs paint
EN-013	Standpipe	24.15	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-014	Standpipe	25.99	4.0	Yes	Yes	Yellow	10 3/4"	Good	4' Bailer	Needs paint
EN-015	Standpipe	32.73	4.0	Yes	Yes	Yellow	10 3/4"	Good	2" SP	Needs paint
EN-016	Standpipe	31.62	4.0	Yes	Yes	Brown	10 3/4"	Good	2" SP	Needs paint
EN-017	Standpipe	27.93	4.0	Yes	Yes	Brown	10 3/4"	Good	3' Bailer	Needs paint
EN-017A	Manhole	22.85	2.0	Yes	Yes			Good		
EN-018	Standpipe	25.62	4.0	Yes	Yes	Brown	10 3/4"	Good	3' Bailer	Needs paint
EN-019	Standpipe	25.90	4.0	Yes	Yes	Brown	10 3/4"	Good		Needs paint
EN-020	Standpipe	24.65	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-020A	Manhole	19.14	2.0	Yes	Yes			Good		
EN-021	Standpipe	23.04	4.0	Yes	No	Yellow	10 3/4"	Good	4' Bailer	Needs paint
EN-022	Standpipe	24.17	2.0	Yes	Yes	Green	10 3/4"	Good		Needs paint
EN-023	Standpipe	26.75	4.0	Yes	Yes	Yellow	10 3/4"	Good	2" SP	Needs paint
EN-024	Standpipe	25.85	4.0	Yes	Yes	Brown	10 3/4"	Good	PP	Needs paint
EN-025A	Manhole	13.08	2.0	Yes	Yes			Good		
EN-026	Standpipe	22.31	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs paint
EN-029A	Manhole	35.96	4.0	Yes	Yes			Good	4' Bailer	
EN-030	Manhole	45.53	4.0	Yes	Yes			Good	PDB	
EN-034	Standpipe	24.00	4.0	Yes	Yes	Yellow	10 3/4"	Good	2" SP	Needs paint
EN-035	Standpipe	31.22	4.0	Yes	Yes	Brown	10 3/4"	Good	2" SP	Needs paint
EN-036	Standpipe	30.45	4.0	Yes	No	Brown	10 3/4"	Good	2" SP	Needs paint
EN-037	Manhole	24.66	4.0	Yes	Yes			Good	2" SP	
EN-038	Manhole	14.96	4.0	Yes	Yes			Good		Needs paint
EN-039	Manhole	15.64	4.0	Yes	Yes			Good	4' Bailer	
EN-040	Manhole	15.60	4.0	Yes	Yes			Good		
EN-041	Manhole	13.51	4.0	Yes	Yes			Good		
EN-042	Manhole	15.51	4.0	Yes	Yes			Good		
EN-044	Manhole	13.12	4.0	Yes	Yes			Good		
EN-045	Manhole	13.34	4.0	Yes	Yes			Good	4' Bailer	
EN-046	Manhole	13.62	4.0	Yes	Yes			Good		
EN-047	Manhole	12.90	4.0	Yes	No			Replace		Reset Manhole, Replace Plug, Needs lock
EN-048	Manhole	13.63	4.0	Yes	No			Replace		Reset Manhole, Replace Plug, Needs lock
EN-049	Manhole	18.80	4.0	Yes	Yes			Good		
EN-051	Standpipe	13.98	4.0	Yes	No	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-052	Standpipe	14.43	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-053	Manhole	19.85	4.0	Yes	Yes			Good	2" SP	
EN-054	Standpipe	26.97	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs paint
EN-055	Manhole	26.76	4.0	Yes	Yes			Good	2" SP	
EN-056	Manhole	22.22	4.0	Yes	Yes			Replace	PDB	Reset Manhole, Needs Lock
EN-058	Standpipe	27.00	4.0	Yes	No	Yellow	10 3/4"	Good	2" SP	Needs Paint, Replace Royer Collar

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-060	Standpipe	27.65	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-062	Standpipe	26.94	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs Paint
EN-064	Standpipe	24.39	4.0	Yes	No	Yellow	10 3/4"	Good		Needs Paint
EN-065	Standpipe	40.86	2.0	Yes	No	Brown	10 3/4"	Good	4' Bailer	Needs Paint
EN-066	Manhole	38.27	4.0	Yes	Yes			Good	PDB	Weedwack
EN-067	Standpipe	28.28	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-069	Standpipe	23.97	2.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-070	Standpipe	18.86	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-072	Standpipe	24.08	2.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-073	Standpipe	17.09	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-074	Standpipe	27.55	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-075	Standpipe	26.96	4.0	Yes	No	Yellow	10 3/4"	Good	3' Bailer	Needs Paint, Lock, Replace Royer
EN-076	Standpipe	29.95	4.0	Yes	No	Yellow	10 3/4"	Good	3' Bailer	Needs Paint
EN-077	Standpipe	29.97	4.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs Paint
EN-078	Standpipe	29.48	4.0	Yes	Yes	Yellow	10 3/4"	Good	4' Bailer	Needs Paint
EN-079	Standpipe	35.12	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-080	Manhole	25.53	2.0	Yes	Yes			Replace	3' Bailer	Replace Manhole
EN-081	Standpipe	32.46	4.0	Yes	No	Brown	10 3/4"	Good	2" SP	Needs Paint
EN-083	Standpipe	15.30	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	
EN-084	Standpipe	16.53	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-086	Manhole	15.88	2.0	Yes	Yes			Good		
EN-087	Manhole	28.70	2.0	Yes	No			Good	4' Bailer	
EN-091	Manhole	39.58	4.0	Yes	No			Good	2" SP	
EN-091A	Manhole	35.59	2.0	Yes	Yes			Good		
EN-092	Standpipe	39.05	4.0	Yes	Yes	Yellow	10 3/4"	Good	2" SP	Needs Paint
EN-092A	Manhole	34.33	2.0	Yes	Yes			Good		
EN-093	Standpipe	37.24	4.0	Yes	Yes	Yellow	10 3/4"	Good	4' Bailer	Needs Paint
EN-094	Standpipe	39.92	4.0	Yes	No	Brown	10 3/4"	Good	2" SP	Needs Paint
EN-095	Standpipe	55.39	4.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-096	Standpipe	42.12	2.0	Yes	No	Brown	10 3/4"	Good	5" Bailer	Needs Paint, Weedwhack
EN-097	Manhole	15.64	2.0	Yes	Yes			Good	PDB	
EN-099	Manhole	31.86	2.0	Yes	Yes			Replace		
EN-100	Manhole	30.14	2.0	Yes	Yes			Replace		
EN-102	Manhole	33.36	2.0	Yes	Yes			Good		
EN-103	Manhole	33.01	2.0	Yes	Yes			Good		
EN-104	Standpipe	72.75	4.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-105	Standpipe	15.67	4.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-106	Standpipe	41.87	4.0	Yes	No	Brown	10 3/4"	Good	PDB	Needs Paint
EN-107A	Manhole	13.83	2.0	Yes	Yes			Good		
EN-111	Manhole	22.37	4.0	Yes	Yes			Good		
EN-112	Manhole	21.74	4.0	Yes	Yes			Good	3' Bailer	
EN-113	Manhole	20.90	4.0	Yes	Yes			Good		
EN-114	Manhole	250.16	4.0	Yes	Yes			Good	2" SP	Needs Lock

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-117	Standpipe	21.97	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-119A	Manhole	21.65	2.0	Yes	Yes			Replace		Replace Manhole
EN-121	Standpipe	19.68	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-122	Standpipe	14.51	2.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-123	Standpipe	22.00	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-125	Standpipe	41.54	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-126	Standpipe	37.58	2.0	Yes	No	Brown	10 3/4"	Good	3' Bailer	Needs Paint
EN-127	Manhole	22.88	2.0	Yes	Yes			Good	4' Bailer	
EN-129	Manhole	24.14	2.0	Yes	Yes			Good	3' Bailer	
EN-130	Manhole	31.23	2.0	Yes	Yes			Good	4' Bailer	
EN-131	Standpipe	45.74	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-132	Manhole	39.21	2.0	Yes	Yes			Good		
EN-146	Standpipe	22.85	8.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-148	Standpipe	27.10	4.0	Yes	No	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-149	Standpipe	27.28	4.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint, Weedwhack
EN-150	Standpipe	47.32	2.0	Yes	Yes	Brown	10 3/4"	Good	5' Bailer	Needs Paint, Weedwhack
EN-151	Standpipe	48.58	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint, Weedwhack
EN-152	Standpipe	24.17	4.0	Yes	Yes	Brown	10 3/4"	Good	2" SP	Needs Paint, Weedwhack
EN-153	Standpipe	24.02	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-154B	Standpipe	46.32	2.0	Yes	Yes	Brown	6 5/8"	Good		Needs Paint, Weedwhack
EN-156	Standpipe	38.00	2.0	Yes	No	Yellow	10 3/4"	Good		Needs Paint
EN-157	Standpipe	44.11	2.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-158	Standpipe	33.16	2.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-161	Standpipe	30.59	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-162	Standpipe	42.64	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-163	Standpipe	43.36	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-164	Standpipe	20.88	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint, Weedwhack
EN-165	Standpipe	24.62	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-166	Standpipe	21.95	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-167	Manhole	15.60	2.0	Yes	Yes			Good		
EN-170	Standpipe	33.39	2.0	Yes	Yes	Brown	10 3/4"	Good	3' Bailer	Needs Paint
EN-173	Manhole	29.86	2.0	Yes	Yes			Good	3' Bailer	
EN-174	Standpipe	33.42	2.0	Yes	No	Brown	10 3/4"	Good	3' Bailer	Needs Paint
EN-175	Manhole	NA	NA	Yes	Yes			NA		
EN-176	Standpipe	27.92	4.0	Yes	Yes	Yellow	10 3/4"	Good	4' Bailer	Needs Paint, Weedwhack
EN-177	Standpipe	18.67	4.0	Yes	Yes	Yellow	10 3/4"	Good	4' Bailer	Needs Paint, Cut Branches
EN-178	Standpipe	40.90	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-179	Manhole	22.12	2.0	Yes	Yes			Good		
EN-180	Manhole	33.03	2.0	Yes	Yes			Good		
EN-182	Standpipe	30.18	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-183	Standpipe	30.23	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-184	Standpipe	16.44	2.0	Yes	Yes	Yellow	6 5/8"	Good		Needs Paint
EN-186	Standpipe	26.40	2.0	Yes	Yes	Yellow	10 3/4"	Good	3' Bailer	Needs Paint

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-187	Standpipe	30.73	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-188	Manhole	25.34	2.0	Yes	Yes			Replace	PDB	Reset Manhole
EN-189	Standpipe	26.67	2.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-190	Standpipe	35.22	2.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-191A	Manhole	37.57	2.0	Yes	Yes			Good		
EN-192	Standpipe	34.99	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-193	Standpipe	34.69	2.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-200	Standpipe	22.59	4.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-202	Standpipe	46.98	4.0	Yes	Yes	Brown	10 3/4"	Good		Needs Paint
EN-203	Standpipe	37.23	4.0	Yes	Yes	Yellow	10 3/4"	Good	2" SP	Needs Paint
EN-204	Standpipe	58.69	4.0	Yes	No	Brown	10 3/4"	Good	2" SP	Needs Paint
EN-206	Standpipe	50.04	4.0	Yes	No	Brown	10 3/4"	Good	2" SP	Needs Paint
EN-207	Standpipe	47.62	4.0	Yes	Yes	Brown	10 3/4"	Good	3' Bailer	Needs Paint, Fish out Bailer
EN-208A	Manhole	36.75	2.0	Yes	Yes			Good		
EN-210	Standpipe	45.08	4.0	Yes	No	Brown	10 3/4"	Good	4' Bailer	Needs Paint
EN-211	Standpipe	19.93	4.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-213A	Manhole	39.90	2.0	Yes	Yes			Good		
EN-214A	Manhole	36.88	2.0	Yes	Yes			Good		
EN-214B	Manhole	48.88	2.0	Yes	Yes			Good		
EN-215A	Manhole	33.18	2.0	Yes	Yes			Good		
EN-215B	Manhole	43.50	2.0	Yes	Yes			Good		
EN-215W	Manhole	50.59	2.0	Yes	Yes			Good		
EN-217A	Manhole	41.80	2.0	Yes	Yes			Good		
EN-276A	Manhole	26.40	2.0	Yes	Yes			Good		
EN-277	Standpipe	26.48	2.0	Yes	No	Yellow	8 3/4"	Good		Needs Paint
EN-278	Standpipe	35.32	2.0	Yes	Yes	Yellow	8 3/4"	Good		Needs Paint
EN-279	Standpipe	28.66	2.0	Yes	Yes	Yellow	8 3/4"	Good		Needs Paint
EN-284	Standpipe	57.28	2.0	Yes	Yes	Yellow	8 3/4"	Good		Needs Paint
EN-301	Manhole	34.02	2.0	Yes	Yes			Good		
EN-302	Manhole	15.38	2.0	Yes	Yes			Good	PP	
EN-304	Manhole	22.94	2.0	Yes	Yes			Good	3' Bailer	
EN-306A	Manhole	21.98	2.0	Yes	Yes			Good		
EN-306B	Manhole	41.88	2.0	Yes	Yes			Good		
EN-307	Manhole	24.40	2.0	Yes	Yes			Good		
EN-308	Manhole	38.20	2.0	Yes	Yes			Good		
EN-309A	Manhole	36.86	2.0	Yes	Yes			Good		
EN-309B	Manhole	62.86	2.0	Yes	Yes			Good		
EN-309C	Manhole	89.80	2.0	Yes	Yes			Good		
EN-310	Manhole	28.09	2.0	Yes	Yes			Good		
EN-311	Manhole	44.95	2.0	Yes	Yes			Good		
EN-380	Manhole	22.14	2.0	Yes	Yes			Replace	PP	
EN-381	Manhole	24.13	2.0	Yes	Yes			Good		
EN-382	Manhole	29.44	2.0	Yes	Yes			Good	PP	

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-384	Manhole	23.91	2.0	Yes	Yes			Good		
EN-385	Manhole	21.20	2.0	Yes	Yes			Good		
EN-386	Manhole	23.02	2.0	Yes	Yes			Good	PP	
EN-387A	Standpipe	34.41	2.0	Yes	Yes	Brown	4 1/2"	Good	3' Bailer	
EN-392R	Manhole	20.79	2.0	Yes	No			Good	PP	
EN-393	Manhole	22.55	2.0	Yes	Yes			Good	3' Bailer	
EN-394	Manhole	26.07	2.0	Yes	Yes			Good	3' Bailer	
EN-395	Manhole	23.68	2.0	Yes	Yes			Good	3' Bailer	
EN-396	Manhole	24.03	2.0	Yes	Yes			Good	3' Bailer	
EN-397	Manhole	19.75	2.0	Yes	Yes			Good	PDB	
EN-398	Manhole	18.35	2.0	Yes	Yes			Good	PP	
EN-399	Manhole	18.90	2.0	Yes	Yes			Replace	PP	Reset Manhole, Needs Plug/lock
EN-400A	Manhole	26.64	2.0	Yes	Yes			Good		
EN-400B	Manhole	46.87	2.0	Yes	Yes			Good		
EN-401	Manhole	39.21	2.0	Yes	Yes			Good		
EN-401W	Manhole	45.50	2.0	Yes	Yes			Good		
EN-402	Manhole	39.35	2.0	Yes	Yes			Good		
EN-403	Manhole	40.81	2.0	Yes	Yes			Good		
EN-404	Manhole	33.25	2.0	Yes	Yes			Good		
EN-405	Manhole	35.67	2.0	Yes	Yes			Good		
EN-406	Manhole	36.92	2.0	Yes	Yes			Good		
EN-407A	Manhole	23.67	2.0	Yes	Yes			Good		
EN-407B	Manhole	43.64	2.0	Yes	Yes			Good		
EN-408	Manhole	27.52	2.0	Yes	Yes			Good		
EN-409	Manhole	13.73	2.0	Yes	Yes			Good	PDB	
EN-411	Manhole	9.52	2.0	Yes	Yes			Good		
EN-412A	Manhole	39.60	2.0	Yes	Yes			Good		
EN-412B	Manhole	58.22	2.0	Yes	Yes			Good		
EN-413	Manhole	52.16	2.0	Yes	Yes			Good		
EN-414	Manhole	44.40	2.0	Yes	Yes			Good		
EN-415	Manhole	40.73	2.0	Yes	Yes			Good		
EN-416A	Manhole	19.97	2.0	Yes	Yes			Good		
EN-416B	Manhole	39.22	2.0	Yes	Yes			Good		
EN-417A	Manhole	22.73	2.0	Yes	Yes			Good		
EN-417B	Manhole	45.81	2.0	Yes	Yes			Good		
EN-417C	Manhole	65.38	2.0	Yes	Yes			Good		
EN-418	Manhole	23.74	2.0	Yes	Yes			Good		
EN-419	Manhole	23.83	4.0	Yes	Yes			Good	PP	
EN-421	Manhole	25.13	4.0	Yes	Yes			Good	PP	
EN-421A	Manhole	24.61	2.0	Yes	Yes			Good		
EN-422	Manhole	27.16	4.0	Yes	Yes			Good	PP	
EN-426	Manhole	40.16	2.0	Yes	Yes			Good		
EN-427	Manhole	44.90	2.0	Yes	Yes			Good		

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-429	Manhole	23.90	4.0	Yes	Yes			Good	PP	
EN-430	Manhole	23.34	4.0	Yes	Yes			Good	PP	
EN-431	Manhole	23.53	4.0	Yes	Yes			Replace	PP	
EN-432	Manhole	24.11	4.0	Yes	Yes			Good	PP	
EN-433	Manhole	24.38	4.0	Yes	Yes			Good	PP	
EN-434	Manhole	26.28	4.0	Yes	Yes			Good	4' Bailer	
EN-435	Manhole	24.59	4.0	Yes	Yes			Good	PP	
EN-436	Manhole	33.52	2.0	Yes	Yes			Good		
EN-437	Manhole	34.86	2.0	Yes	Yes			Good		
EN-438	Manhole	32.69	2.0	Yes	Yes			Good		
EN-438W	Manhole	44.13	2.0	Yes	Yes			Good		
EN-439A	Manhole	26.73	2.0	Yes	Yes			Good		
EN-439B	Manhole	37.20	2.0	Yes	Yes			Good		
EN-440	Manhole	34.16	2.0	Yes	Yes			Good		
EN-441	Manhole	37.84	2.0	Yes	Yes			Good		
EN-442A	Manhole	30.57	2.0	Yes	Yes			Good		
EN-442B	Manhole	40.29	2.0	Yes	Yes			Good		
EN-443	Manhole	33.16	2.0	Yes	Yes			Good		
EN-444A	Manhole	28.42	2.0	Yes	Yes			Good		
EN-444B	Manhole	45.51	2.0	Yes	Yes			Good		
EN-445	Manhole	32.93	2.0	Yes	Yes			Good		
EN-446A	Manhole	28.16	2.0	Yes	Yes			Good		
EN-446B	Manhole	45.06	2.0	Yes	Yes			Good		
EN-447A	Manhole	31.18	2.0	Yes	Yes			Good		
EN-447B	Manhole	47.39	2.0	Yes	Yes			Good		
EN-448	Manhole	25.73	2.0	Yes	Yes			Good		
EN-449	Manhole	48.12	2.0	Yes	Yes			Good		
EN-450	Manhole	29.71	2.0	Yes	Yes			Good		
EN-451	Manhole	34.94	2.0	Yes	Yes			Good		Needs Lock
EN-453	Manhole	31.35	2.0	Yes	Yes			Good		
EN-454	Manhole	33.62	2.0	Yes	Yes			Good		
EN-455	Manhole	29.81	2.0	Yes	Yes			Good		
EN-456	Manhole	33.67	2.0	Yes	Yes			Good		
EN-457A	Manhole	27.32	2.0	Yes	Yes			Good		
EN-457B	Manhole	37.39	2.0	Yes	Yes			Good		
EN-458	Manhole	23.70	2.0	Yes	Yes			Good		
EN-459A	Manhole	49.40	2.0	Yes	Yes			Good	5' Bailer	
EN-459B	Manhole	122.02	2.0	Yes	Yes			Good	2" SP	
EN-460A	Manhole	49.70	2.0	Yes	Yes			Good		
EN-460B	Manhole	84.36	2.0	Yes	Yes			Good	2" SP	
EN-460C	Manhole	95.64	2.0	Yes	Yes			Good	2" SP	
EN-461	Manhole	33.88	2.0	Yes	Yes			Good		
EN-462	Manhole	43.92	2.0	Yes	Yes			Good	2' Bailer	

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-463	Manhole	44.02	2.0	Yes	Yes			Good	3' Bailer	
EN-464	Manhole	38.43	2.0	Yes	Yes			Good		
EN-465	Manhole	35.18	2.0	Yes	Yes			Good		
EN-466	Manhole	32.83	2.0	Yes	Yes			Good		
EN-467	Manhole	45.34	2.0	Yes	Yes			Good		
EN-468	Manhole	39.16	2.0	Yes	Yes			Good		
EN-469	Manhole	19.29	2.0	Yes	Yes			Replace		Reset Manhole, Repair PVC, Needs Plug/Lock
EN-470	Manhole	23.99	2.0	Yes	Yes			Good		
EN-471	Manhole	27.04	2.0	Yes	Yes			Good	2' Bailer	
EN-473A	Manhole	44.10	2.0	Yes	Yes			Good	4' Bailer	
EN-473B	Manhole	77.95	2.0	Yes	Yes			Good	5' Bailer	
EN-474	Manhole	17.97	2.0	Yes	Yes			Good		
EN-475	Manhole	32.08	2.0	Yes	Yes			Good		
EN-476	Manhole	26.09	2.0	Yes	Yes			Good		
EN-477	Manhole	42.80	2.0	Yes	Yes			Good		
EN-478A	Manhole	28.46	2.0	Yes	Yes			Good		
EN-478B	Manhole	37.76	2.0	Yes	Yes			Good		
EN-479A	Manhole	28.42	2.0	Yes	Yes			Good		
EN-479B	Manhole	44.88	2.0	Yes	Yes			Good		
EN-480A	Manhole	31.80	2.0	Yes	Yes			Replace		
EN-480B	Manhole	NA	2.0	Yes	Yes			Good		Destroyed by Snowplow
EN-481A	Manhole	29.57	2.0	Yes	Yes			Good		
EN-481B	Manhole	46.08	2.0	Yes	Yes			Good		
EN-482	Manhole	37.49	2.0	Yes	Yes			Good		
EN-483	Manhole	19.45	2.0	Yes	Yes			Replace	PDB	Reset Manhole, Needs Lock
EN-484	Manhole	14.15	2.0	Yes	Yes			Good		Needs Plug
EN-485	Manhole	16.05	2.0	Yes	Yes			Good		
EN-486	Manhole	23.65	2.0	Yes	Yes			Replace		Reset Manhole, Needs Lock
EN-487	Manhole	14.97	2.0	Yes	Yes			Good	PDB	
EN-488	Manhole	24.36	2.0	Yes	Yes			Good		
EN-489	Manhole	20.90	2.0	Yes	Yes			Good		
EN-490	Manhole	28.00	2.0	Yes	Yes			Good		Replace Plug
EN-491	Manhole	32.92	2.0	Yes	Yes			Good		
EN-491A	Manhole	28.64	2.0	Yes	Yes			Good		
EN-492A	Manhole	32.98	2.0	Yes	Yes			Good	PP	
EN-493	Manhole	35.10	2.0	Yes	Yes			Good	3' Bailer	
EN-494	Manhole	34.83	2.0	Yes	Yes			Good		
EN-495	Manhole	33.91	2.0	Yes	Yes			Good		
EN-496	Manhole	33.96	2.0	Yes	Yes			Good	3' Bailer	
EN-497	Manhole	34.34	2.0	Yes	Yes			Good		
EN-498	Manhole	35.82	2.0	Yes	Yes			Good	3' Bailer	
EN-499A	Manhole	31.33	2.0	Yes	Yes			Good		
EN-499B	Manhole	42.58	2.0	Yes	Yes			Good		

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-500A	Manhole	30.07	2.0	Yes	Yes			Good		
EN-500B	Manhole	42.19	2.0	Yes	Yes			Good		
EN-501	Manhole	34.28	2.0	Yes	Yes			Good		
EN-502	Manhole	33.40	2.0	Yes	Yes			Good		
EN-503	Manhole	32.11	2.0	Yes	Yes			Good		
EN-504	Manhole	NA	2.0	Yes	Yes			Good		Damaged Well, to be Abandoned?
EN-505	Manhole	28.58	2.0	Yes	Yes			Good		
EN-506	Manhole	29.03	2.0	Yes	Yes			Good		
EN-507	Standpipe	16.53	2.0	Yes	Yes	Brown	4 1/2"	Good		
EN-508	Manhole	18.12	2.0	Yes	Yes			Good	PP	
EN-509	Manhole	16.80	2.0	Yes	Yes			Good	PP	
EN-510	Manhole	27.68	2.0	Yes	Yes			Good		
EN-511	Manhole	27.61	2.0	Yes	Yes			Good		
EN-513	Manhole	23.27	2.0	Yes	Yes			Good		
EN-514	Manhole	21.44	2.0	Yes	Yes			Good	PP	
EN-515	Manhole	24.59	2.0	Yes	Yes			Good		
EN-516	Manhole	28.97	2.0	Yes	Yes			Good		
EN-520	Manhole	23.52	2.0	Yes	Yes			Good		
EN-521	Manhole	19.34	2.0	Yes	Yes			Good		
EN-522	Manhole	12.53	2.0	Yes	Yes			Good	3' Bailer	
EN-523	Manhole	14.78	2.0	Yes	Yes			Good		
EN-524	Manhole	19.72	2.0	Yes	Yes			Good		
EN-525	Manhole	22.98	2.0	Yes	Yes			Good		
EN-526	Manhole	47.69	2.0	Yes	No			Good		Needs tag
EN-527	Manhole	20.82	2.0	Yes	No			Good		
EN-528	Manhole	21.50	2.0	Yes	No			Good		Needs Plug/Lock
EN-529	Manhole	34.19	2.0	Yes	Yes			Good		
EN-531	Manhole	25.70	4.0	Yes	Yes			Good		
EN-532	Manhole	39.20	2.0	Yes	No			Good		
EN-533	Manhole	13.70	2.0	Yes	No			Good		
EN-534	Manhole	36.09	2.0	Yes	No			Good		
EN-600	Manhole	16.28	1.5	Yes	Yes			Good		
EN-601	Manhole	4.14	1.5	Yes	Yes			Good		
EN-604	Manhole	13.27	1.5	Yes	Yes			Replace		Reset Manhole, Fix Broken PVC Pipe
EN-606	Manhole	19.12	1.5	Yes	Yes			Good		
EN-608	Manhole	20.17	1.5	Yes	Yes			Good		
EN-616	Manhole	24.84	1.5	Yes	Yes			Good	PP	
EN-617	Manhole	5.28	1.5	Yes	Yes			Good	PP	
EN-618	Manhole	14.46	1.5	Yes	Yes			Good		
EN-623	Manhole	22.86	6.0	Yes	Yes			Good		
EN-624	Manhole	25.20	6.0	Yes	Yes			Good	PDB	
EN-626	Manhole	17.13	2.0	Yes	Yes			Good		
EN-632	Manhole	19.60	2.0	Yes	Yes			Good	PDB	Replace Manhole Lid/Spindle

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-638	Manhole	17.66	2.0	Yes	Yes			Good	PDB	
EN-640	Manhole	13.35	2.0	Yes	Yes			Good		
EN-641	Standpipe	8.44	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-642	Manhole	13.50	2.0	Yes	Yes			Good	PDB	
EN-644	Manhole	12.62	2.0	Yes	Yes			Good		
EN-648	Manhole	5.94	2.0	Yes	Yes			Good		
EN-650	Manhole	16.30	2.0	Yes	Yes			Good		
EN-651	Standpipe	27.58	2.0	Yes	Yes	Brown	4 1/2"	Good	PDB	Weedwhack
EN-652	Manhole	44.43	2.0	Yes	Yes			Good	PDB	
EN-653	Standpipe	25.20	2.0	Yes	Yes	Brown	4 1/2"	Good	PDB	Weedwhack
EN-654	Manhole	41.48	2.0	Yes	Yes			Good		
EN-655	Manhole	13.22	2.0	Yes	Yes			Good	PDB	
EN-656	Standpipe	40.17	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-657	Standpipe	19.10	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-658	Standpipe	45.95	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-659	Standpipe	20.04	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-679	Manhole	23.92	2.0	Yes	No			Good	PDB	
EN-684A	Manhole	41.93	2.0	Yes	Yes			Good	PDB	
EN-687	Manhole	28.92	2.0	Yes	No			Good	PDB	Replace Manhole Lid/Spindle
EN-692	Manhole	12.60	2.0	Yes	Yes			Replace	PDB	Replace Manhole
EN-694	Manhole	20.42	2.0	Yes	Yes			Good	PDB	
EN-695	Manhole	11.40	2.0	Yes	Yes			Good		
EN-696	Standpipe	27.55	2.0	Yes	Yes	Brown	4 1/2"	Good	PDB	
EN-697	Standpipe	16.58	2.0	Yes	Yes	Brown	4 1/2"	Good	PP	
EN-698	Standpipe	31.15	2.0	Yes	Yes	Brown	4 1/2"	Good	PDB	
EN-699	Standpipe	21.53	2.0	Yes	Yes	Brown	4 1/2"	Good		
EN-700	Standpipe	34.68	2.0	Yes	Yes	Brown	4 1/2"	Good	PDB	
EN-701	Standpipe	23.35	2.0	Yes	Yes	Brown	6 5/8"	Good	PDB	
EN-702	Manhole	24.28	2.0	Yes	Yes			Good	PDB	
EN-703	Manhole	17.46	2.0	Yes	No			Good	PDB	
EN-704	Manhole	21.50	2.0	Yes	Yes			Good	PDB	
EN-705	Manhole	16.13	2.0	Yes	Yes			Good	PDB	
EN-708	Standpipe	12.49	2.0	Yes	Yes	Brown	6 5/8"	Good		
EN-710	Standpipe	20.54	6.0	Yes	Yes			Good	PDB	Needs Lock
EN-711	Standpipe	19.23	2.0	Yes	Yes	Brown	6 5/8"	Good		Weedwhack
EN-712	Standpipe	32.32	2.0	Yes	Yes	Brown	6 5/8"	Good		Weedwhack
EN-713	Standpipe	7.94	2.0	Yes	Yes	Brown	4 1/2"	Good		Weedwhack
EN-714	Manhole	24.10	2.0	Yes	Yes			Good	PDB	
EN-715	Manhole	24.09	2.0	Yes	Yes			Good	PDB	
EN-716	Manhole	22.73	2.0	Yes	Yes			Good	PDB	Replace Manhole Lid/Spindle
EN-717	Manhole	25.42	2.0	Yes	Yes			Good	PDB	
EN-718	Manhole	25.68	2.0	Yes	Yes			Good	PDB	
EN-719	Manhole	18.70	2.0	Yes	Yes			Good	PDB	

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
EN-720	Manhole	33.80	2.0	Yes	Yes			Good	PDB	
EN-721	Manhole	9.27	2.0	Yes	No			Good		
EN-722	Manhole	27.33	2.0	Yes	No			Good	PDB	
EN-723	Manhole	19.82	2.0	Yes	No			Good	PDB	
EN-724	Manhole	16.15	2.0	Yes	No			Good	PDB	Trim PVC
EN-725	Manhole	30.95	2.0	Yes	No			Good	PDB	Trim PVC
EN-726	Manhole	64.83	2.0	Yes	No			Good	PDB	
EN-727	Manhole	80.20	2.0	Yes	No			Good	PDB	
EN-D1	Standpipe	158.00	4.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint, Replace Royer Collar
EN-D2	Standpipe	122.55	6.0	Yes	Yes	Green	10 3/4"	Good	PDB	Needs Paint
EN-D3	Standpipe	112.96	6.0	Yes	Yes	Brown	10 3/4"	Good	PDB	Needs Paint
EN-D4	Standpipe	113.00	4.0	Yes	No	Brown	12 3/4"	Good	PDB	Needs Paint
EN-D4S	Standpipe	178.94	2.0	Yes	No	Brown	12 3/4"	Good	PDB	Needs Paint
EN-D5	Standpipe	152.58	4.0	Yes	Yes	Brown	12 3/4"	Good		Needs Paint
EN-D5S	Standpipe	86.95	2.0	Yes	Yes	Brown	12 3/4"	Good		Needs Paint
EN-D6	Standpipe	84.54	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-D7	Standpipe	107.82	2.0	Yes	No	Brown	10 3/4"	Good		Needs Paint
EN-D8	Standpipe	76.42	4.0	Yes	Yes	Yellow	10 3/4"	Good		Needs Paint
EN-D9	Standpipe	155.66	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-D10	Standpipe	134.91	4.0	Yes	Yes	Yellow	10 3/4"	Replace	PDB	Needs Paint
EN-D11	Manhole	179.18	4.0	Yes	Yes	Yellow	10 3/4"	Replace	PDB	Replace Plug
EN-D12	Manhole	76.26	4.0	Yes	Yes			Replace		Reset Manhole
EN-D13	Standpipe	128.13	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-D14	Standpipe	64.87	4.0	Yes	Yes	Yellow	10 3/4"	Good	PDB	Needs Paint
EN-D30	Manhole	103.26	2.0	Yes	Yes			Good		
EN-D31	Manhole	118.09	2.0	Yes	Yes			Good		
EN-D32	Manhole	119.53	2.0	Yes	Yes			Good		
EN-D33	Manhole	115.96	2.0	Yes	Yes			Good	PDB	
EN-D34	Manhole	79.78	2.0	Yes	Yes			Good	PDB	
EN-D35	Manhole	117.48	2.0	Yes	Yes			Good	PDB	
EN-D36	Manhole	129.27	2.0	Yes	Yes			Good	PDB	
EN-D37	Manhole	120.06	2.0	Yes	Yes			Good	PDB	
EN-D38	Manhole	110.62	2.0	Yes	Yes			Replace	PDB	Reset Manhole, Debris in Well
EN-D39	Manhole	102.73	6.0	Yes	Yes			Good	PDB	
EN-D40	Manhole	107.73	6.0	Yes	Yes			Good	PDB	
EN-D41	Manhole	117.21	6.0	Yes	Yes			Good	PDB	
EN-D42	Manhole	123.74	6.0	Yes	Yes			Good	PDB	
EN-D43	Manhole	105.89	6.0	Yes	Yes			Good	PDB	
EN-D44	Manhole	104.35	6.0	Yes	Yes			Good	PDB	
EN-D45	Manhole	101.09	6.0	Yes	Yes			Good	PDB	
EN-D46	Manhole	104.96	6.0	Yes	Yes			Good	PDB	
EN-D47	Manhole	111.64	6.0	Yes	Yes			Good	PDB	
EN-D48	Manhole	108.38	6.0	Yes	Yes			Good	PDB	

Table B-3: 2018 Well Field Inspection Results

Well ID	Surface Completion	2018-DTB	Diameter (in)	Ref. Pt. Visible?	Well Tag Readable?	Well Paint Color/Condition	Royer Cap Size	Sanitary Seal Condition	Ded. Equip. Type	Well Problems
DI-1	Manhole	19.40	2.0	Yes	No			Good		Needs Lock
DI-2	Manhole	22.82	2.0	Yes	No			Good		Needs Lock
DI-3	Manhole	20.20	1.0	Yes	No			Good		Needs Lock
DOT-1	Standpipe	22.50	2.0	Yes	No	Brown	10 3/4"	Good	PDB	
DOT-2	Standpipe	21.19	2.0	Yes	No	Brown	10 3/4"	Good	3' Bailer	
DOT-3	Standpipe	27.18	2.0	Yes	Yes	Brown	10 3/4"	Good	PDB	
DOT-4	Standpipe	23.93	2.0	Yes	Yes	Brown	10 3/4"	Good	PDB	
MW-34D	Standpipe	26.21	2.0	Yes	No	Yellow			PDB	

APPENDIX C

Groundwater Elevation Data, 2018

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
Upper Aquifer Wells				
DI-1	2/14/2018	849.06	-1.00	-1.00
DI-1	3/22/2018	849.06	19.27	829.79
DI-1	4/24/2018	849.06	19.10	829.96
DI-1	5/23/2018	849.06	19.20	829.86
DI-1	6/26/2018	849.06	19.33	829.73
DI-1	7/24/2018	849.06	19.01	830.05
DI-1	8/28/2018	849.06	18.05	831.01
DI-2	2/14/2018	848.32	18.80	829.52
DI-2	3/22/2018	848.32	18.24	830.08
DI-2	4/24/2018	848.32	18.10	830.22
DI-2	5/23/2018	848.32	18.25	830.07
DI-2	6/26/2018	848.32	18.38	829.94
DI-2	7/24/2018	848.32	18.01	830.31
DI-2	8/28/2018	848.32	16.95	831.37
DI-3	2/14/2018	846.48	16.90	829.58
DI-3	3/22/2018	846.48	16.25	830.23
DI-3	4/24/2018	846.48	16.16	830.32
DI-3	5/23/2018	846.48	16.25	830.23
DI-3	6/26/2018	846.48	16.47	830.01
DI-3	7/24/2018	846.48	15.97	830.51
DI-3	8/28/2018	846.48	14.89	831.59
DOT-1	2/14/2018	849.14	19.57	829.61
DOT-1	3/22/2018	849.14	18.20	830.94
DOT-1	4/24/2018	849.14	18.16	830.98
DOT-1	5/23/2018	849.14	18.14	831.00
DOT-1	6/26/2018	849.14	18.32	830.82
DOT-1	7/24/2018	849.14	18.33	830.81
DOT-1	8/28/2018	849.14	15.57	833.57
DOT-2	2/14/2018	848.57	19.47	829.10
DOT-2	3/22/2018	848.57	18.26	830.31
DOT-2	4/24/2018	848.57	18.12	830.45
DOT-2	5/23/2018	848.57	18.18	830.39
DOT-2	6/26/2018	848.57	18.37	830.20
DOT-2	7/24/2018	848.57	18.24	830.33
DOT-2	8/28/2018	848.57	16.87	831.70
DOT-3	2/14/2018	848.73	19.89	828.94
DOT-3	3/22/2018	848.73	18.64	830.24
DOT-3	4/24/2018	848.73	18.68	830.11
DOT-3	5/23/2018	848.73	18.64	830.09
DOT-3	6/26/2018	848.73	18.83	830.00
DOT-3	7/24/2018	848.73	18.72	830.11
DOT-3	8/28/2018	848.73	17.31	831.50
DOT-4	2/14/2018	848.61	19.68	828.93
DOT-4	3/22/2018	848.61	18.47	830.14
DOT-4	4/24/2018	848.61	18.53	830.08
DOT-4	5/23/2018	848.61	18.41	830.20
DOT-4	6/26/2018	848.61	18.60	830.01
DOT-4	7/24/2018	848.61	18.50	830.11

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
DOT-4	8/28/2018	848.61	17.15	831.46
EN-002	2/14/2018	842.54	15.77	826.77
EN-002	3/22/2018	842.54	14.08	828.46
EN-002	4/24/2018	842.54	13.93	828.61
EN-002	5/23/2018	842.54	13.54	829.00
EN-002	6/26/2018	842.54	14.57	827.97
EN-002	7/24/2018	842.54	13.36	829.18
EN-002	8/28/2018	842.54	12.67	829.87
EN-006	2/14/2018	852.34	34.65	817.69
EN-006	3/22/2018	852.34	34.56	817.78
EN-006	4/24/2018	852.34	34.58	817.76
EN-006	5/23/2018	852.34	34.65	817.69
EN-006	6/26/2018	852.34	34.55	817.79
EN-006	7/24/2018	852.34	34.49	817.85
EN-006	8/28/2018	852.34	33.78	818.56
EN-012	2/14/2018	851.86	20.57	831.29
EN-012	3/22/2018	851.86	19.91	831.95
EN-012	4/24/2018	851.86	20.50	831.36
EN-012	5/23/2018	851.86	20.50	831.36
EN-012	6/26/2018	851.86	20.43	831.43
EN-012	7/24/2018	851.86	19.53	832.33
EN-012	8/14/2018	851.86	17.36	834.50
EN-012	8/23/2018	851.86	18.89	832.97
EN-012	8/28/2018	851.86	19.44	832.42
EN-012	9/5/2018	851.86	19.66	832.20
EN-012	9/14/2018	851.86	19.77	832.09
EN-012	12/31/2018	851.86	20.85	831.01
EN-013	2/14/2018	851.93	21.10	830.83
EN-013	3/22/2018	851.93	20.50	831.43
EN-013	4/24/2018	851.93	20.87	831.06
EN-013	5/23/2018	851.93	21.16	830.77
EN-013	6/26/2018	851.93	20.95	830.98
EN-013	7/24/2018	851.93	20.32	831.61
EN-013	8/14/2018	851.93	18.46	833.47
EN-013	8/23/2018	851.93	19.58	832.35
EN-013	8/28/2018	851.93	19.83	832.10
EN-013	9/5/2018	851.93	20.24	831.69
EN-013	9/14/2018	851.93	20.18	831.75
EN-014	3/22/2018	852.00	21.00	831.00
EN-014	4/24/2018	852.00	21.22	830.78
EN-014	5/23/2018	852.00	21.55	830.45
EN-014	6/26/2018	852.00	21.38	830.62
EN-014	7/24/2018	852.00	20.94	831.06
EN-014	8/23/2018	852.00	20.22	831.78
EN-014	8/28/2018	852.00	20.36	831.64
EN-014	9/5/2018	852.00	20.76	831.24
EN-014	9/14/2018	852.00	20.66	831.34
EN-014	12/31/2018	852.00	20.90	831.10
EN-015	2/14/2018	851.81	25.35	826.46

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-015	3/22/2018	851.81	23.98	827.83
EN-015	4/24/2018	851.81	23.78	828.03
EN-015	5/23/2018	851.81	24.31	827.50
EN-015	6/26/2018	851.81	24.63	827.18
EN-015	7/24/2018	851.81	24.00	827.81
EN-015	8/23/2018	851.81	23.15	828.66
EN-015	8/28/2018	851.81	22.27	829.54
EN-015	9/5/2018	851.81	22.73	829.08
EN-015	9/14/2018	851.81	22.79	829.02
EN-016	2/14/2018	852.22	27.52	824.70
EN-016	3/22/2018	852.22	27.00	825.22
EN-016	4/24/2018	852.22	26.84	825.38
EN-016	5/23/2018	852.22	27.10	825.12
EN-016	6/26/2018	852.22	27.26	824.96
EN-016	7/24/2018	852.22	26.94	825.28
EN-016	8/23/2018	852.22	25.54	826.68
EN-016	8/28/2018	852.22	25.58	826.64
EN-016	9/5/2018	852.22	25.81	826.41
EN-016	9/14/2018	852.22	25.87	826.35
EN-016	12/31/2018	852.22	25.98	826.24
EN-017	2/14/2018	852.15	25.02	827.13
EN-017	3/22/2018	852.15	24.32	827.83
EN-017	4/24/2018	852.15	24.23	827.92
EN-017	5/23/2018	852.15	24.59	827.56
EN-017	6/26/2018	852.15	24.60	827.55
EN-017	7/24/2018	852.15	24.28	827.87
EN-017	8/23/2018	852.15	23.07	829.08
EN-017	8/28/2018	852.15	23.09	829.06
EN-017	9/5/2018	852.15	23.30	828.85
EN-017	9/14/2018	852.15	23.42	828.73
EN-017	12/31/2018	852.15	24.00	828.15
EN-018	2/14/2018	851.45	23.04	828.41
EN-018	3/22/2018	851.45	22.43	829.02
EN-018	4/24/2018	851.45	22.32	829.13
EN-018	5/23/2018	851.45	22.50	828.95
EN-018	6/26/2018	851.45	22.53	828.92
EN-018	7/24/2018	851.45	22.30	829.15
EN-018	8/23/2018	851.45	21.48	829.97
EN-018	8/28/2018	851.45	21.42	830.03
EN-018	9/5/2018	851.45	21.54	829.91
EN-018	9/14/2018	851.45	21.67	829.78
EN-019	2/14/2018	852.34	23.55	828.79
EN-019	3/22/2018	852.34	22.99	829.35
EN-019	4/24/2018	852.34	22.88	829.46
EN-019	5/23/2018	852.34	23.05	829.29
EN-019	6/26/2018	852.34	23.00	829.34
EN-019	7/24/2018	852.34	22.79	829.55
EN-019	8/28/2018	852.34	22.01	830.33
EN-019	12/31/2018	852.34	22.45	829.89

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-020	2/14/2018	851.30	21.88	829.42
EN-020	3/22/2018	851.30	21.40	829.90
EN-020	4/24/2018	851.30	21.20	830.10
EN-020	5/23/2018	851.30	21.47	829.83
EN-020	6/26/2018	851.30	21.43	829.87
EN-020	7/24/2018	851.30	21.14	830.16
EN-020	8/28/2018	851.30	20.09	831.21
EN-021	2/14/2018	847.84	18.45	829.39
EN-021	3/22/2018	847.84	17.94	829.90
EN-021	4/24/2018	847.84	17.77	830.07
EN-021	5/23/2018	847.84	17.90	829.94
EN-021	6/26/2018	847.84	18.02	829.82
EN-021	7/24/2018	847.84	17.58	830.26
EN-021	8/28/2018	847.84	16.30	831.54
EN-022	2/14/2018	844.48	-1.00	-1.00
EN-022	3/22/2018	844.48	-1.00	-1.00
EN-022	4/24/2018	844.48	-1.00	-1.00
EN-022	5/23/2018	844.48	-1.00	-1.00
EN-022	6/26/2018	844.48	-1.00	-1.00
EN-022	7/24/2018	844.48	-1.00	-1.00
EN-022	8/28/2018	844.48	-1.00	-1.00
EN-023	2/14/2018	850.37	21.76	828.61
EN-023	3/22/2018	850.37	21.04	829.33
EN-023	4/24/2018	850.37	20.74	829.63
EN-023	5/23/2018	850.37	20.78	829.59
EN-023	6/26/2018	850.37	20.84	829.53
EN-023	7/24/2018	850.37	20.86	829.51
EN-023	8/28/2018	850.37	12.98	837.39
EN-024	2/14/2018	852.01	24.91	827.10
EN-024	3/22/2018	852.01	23.95	828.06
EN-024	4/24/2018	852.01	23.88	828.13
EN-024	5/23/2018	852.01	24.12	827.89
EN-024	6/26/2018	852.01	24.80	827.21
EN-024	7/24/2018	852.01	24.39	827.62
EN-024	8/28/2018	852.01	24.04	827.97
EN-026	1/3/2018	840.96	13.73	827.23
EN-026	2/14/2018	840.96	13.58	827.38
EN-026	3/22/2018	840.96	12.58	828.38
EN-026	4/24/2018	840.96	12.57	828.39
EN-026	5/23/2018	840.96	12.14	828.82
EN-026	6/26/2018	840.96	12.67	828.29
EN-026	7/24/2018	840.96	12.27	828.69
EN-026	8/28/2018	840.96	11.42	829.54
EN-029A	2/14/2018	850.38	32.77	817.61
EN-029A	3/22/2018	850.38	33.18	817.20
EN-029A	4/24/2018	850.38	33.21	817.17
EN-029A	5/23/2018	850.38	33.60	816.78
EN-029A	6/26/2018	850.38	33.13	817.25
EN-029A	7/24/2018	850.38	32.83	817.55

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-029A	8/28/2018	850.38	32.26	818.12
EN-030	5/23/2018	853.18	18.73	834.45
EN-030	8/28/2018	853.18	17.53	835.65
EN-034	5/23/2018	841.49	13.24	828.25
EN-034	8/28/2018	841.49	11.54	829.95
EN-035	2/14/2018	854.22	25.65	828.57
EN-035	3/22/2018	854.22	25.03	829.19
EN-035	4/24/2018	854.22	24.92	829.30
EN-035	5/23/2018	854.22	24.91	829.31
EN-035	6/26/2018	854.22	25.07	829.15
EN-035	7/24/2018	854.22	24.83	829.39
EN-035	8/28/2018	854.22	24.02	830.20
EN-035	12/31/2018	854.22	24.06	830.16
EN-036	2/14/2018	852.97	24.30	828.67
EN-036	3/22/2018	852.97	23.53	829.44
EN-036	4/24/2018	852.97	23.47	829.50
EN-036	5/23/2018	852.97	23.45	829.52
EN-036	6/26/2018	852.97	23.62	829.35
EN-036	7/24/2018	852.97	23.40	829.57
EN-036	8/28/2018	852.97	22.38	830.59
EN-037	2/14/2018	839.97	13.88	826.09
EN-037	3/22/2018	839.97	12.54	827.43
EN-037	4/24/2018	839.97	12.30	827.67
EN-037	5/23/2018	839.97	12.11	827.86
EN-037	6/26/2018	839.97	12.72	827.25
EN-037	7/24/2018	839.97	12.10	827.87
EN-037	8/28/2018	839.97	11.10	828.87
EN-038	5/23/2018	838.40	9.63	828.77
EN-038	8/28/2018	838.40	7.96	830.44
EN-039	5/23/2018	838.26	9.30	828.96
EN-039	8/28/2018	841.21	7.63	833.58
EN-040	5/23/2018	837.81	8.52	829.29
EN-040	8/28/2018	837.81	7.20	830.61
EN-041	5/23/2018	837.58	8.50	829.08
EN-041	8/28/2018	837.58	6.86	830.72
EN-042	5/23/2018	837.45	8.32	829.13
EN-042	8/28/2018	837.45	6.74	830.71
EN-044	5/23/2018	837.11	7.88	829.23
EN-044	8/28/2018	837.11	6.37	830.74
EN-045	2/14/2018	836.94	9.20	827.74
EN-045	3/22/2018	836.94	8.28	828.66
EN-045	4/24/2018	836.94	7.90	829.04
EN-045	5/23/2018	836.94	7.70	829.24
EN-045	6/26/2018	836.94	8.20	828.74
EN-045	7/24/2018	836.94	7.62	829.32
EN-045	8/28/2018	836.94	6.15	830.79
EN-046	5/23/2018	837.60	9.00	828.60
EN-046	8/28/2018	837.60	7.35	830.25
EN-047	5/23/2018	837.48	9.17	828.31

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-047	8/28/2018	837.48	7.54	829.94
EN-048	5/23/2018	837.54	9.10	828.44
EN-048	8/28/2018	837.54	7.48	830.06
EN-049	5/23/2018	837.49	9.03	828.46
EN-049	8/28/2018	837.49	7.37	830.12
EN-051	2/14/2018	839.65	11.24	828.41
EN-051	3/22/2018	839.65	10.58	829.07
EN-051	4/24/2018	839.65	10.38	829.27
EN-051	5/23/2018	839.65	10.04	829.61
EN-051	6/26/2018	839.65	10.53	829.12
EN-051	7/24/2018	839.65	9.28	830.37
EN-051	8/14/2018	839.65	5.38	834.27
EN-051	8/28/2018	839.65	8.77	830.88
EN-052	2/14/2018	839.44	11.37	828.07
EN-052	3/22/2018	839.44	10.60	828.84
EN-052	4/24/2018	839.44	10.36	829.08
EN-052	5/23/2018	839.44	10.09	829.35
EN-052	6/26/2018	839.44	10.66	828.78
EN-052	7/24/2018	839.44	9.72	829.72
EN-052	8/14/2018	839.44	5.83	833.61
EN-052	8/28/2018	839.44	8.59	830.85
EN-052	12/31/2018	839.44	9.81	829.63
EN-053	5/23/2018	837.86	9.64	828.22
EN-053	8/28/2018	837.86	7.96	829.90
EN-054	2/14/2018	851.49	23.02	828.47
EN-054	3/22/2018	851.49	21.95	829.54
EN-054	4/24/2018	851.49	21.80	829.69
EN-054	5/23/2018	851.49	21.51	829.98
EN-054	6/26/2018	851.49	22.20	829.29
EN-054	7/24/2018	851.49	21.36	830.13
EN-054	8/28/2018	851.49	20.51	830.98
EN-055	2/14/2018	841.46	16.01	825.45
EN-055	3/22/2018	841.46	14.80	826.66
EN-055	4/24/2018	841.46	14.58	826.88
EN-055	5/23/2018	841.46	14.32	827.14
EN-055	6/26/2018	841.46	14.96	826.50
EN-055	7/24/2018	841.46	14.42	827.04
EN-055	8/28/2018	841.46	13.64	827.82
EN-056	2/14/2018	844.07	16.34	827.73
EN-056	3/22/2018	844.07	14.50	829.57
EN-056	4/24/2018	844.07	15.07	829.00
EN-056	5/23/2018	844.07	13.73	830.34
EN-056	6/26/2018	844.07	16.20	827.87
EN-056	7/24/2018	844.07	15.40	828.67
EN-056	8/28/2018	844.07	14.33	829.74
EN-058	2/14/2018	845.75	19.53	826.22
EN-058	3/22/2018	845.75	18.32	827.43
EN-058	4/24/2018	845.75	17.60	828.15
EN-058	5/23/2018	845.75	17.76	827.99

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-058	6/26/2018	845.75	18.40	827.35
EN-058	7/24/2018	845.75	17.82	827.93
EN-058	8/28/2018	845.75	17.02	828.73
EN-058	12/31/2018	845.75	17.51	828.24
EN-060	2/14/2018	842.06	22.98	819.08
EN-060	3/22/2018	842.06	22.88	819.18
EN-060	4/24/2018	842.06	23.07	818.99
EN-060	5/23/2018	842.06	23.17	818.89
EN-060	6/26/2018	842.06	22.48	819.58
EN-060	7/24/2018	842.06	22.62	819.44
EN-060	8/28/2018	842.06	20.67	821.39
EN-062	2/14/2018	840.96	23.15	817.81
EN-062	3/22/2018	840.96	23.58	817.38
EN-062	4/24/2018	840.96	23.82	817.14
EN-062	5/23/2018	840.96	24.02	816.94
EN-062	6/26/2018	840.96	23.67	817.29
EN-062	7/24/2018	840.96	23.30	817.66
EN-062	8/28/2018	840.96	22.16	818.80
EN-064	2/14/2018	842.53	19.70	822.83
EN-064	3/22/2018	842.53	19.30	823.23
EN-064	4/24/2018	842.53	19.43	823.10
EN-064	5/23/2018	842.53	19.39	823.14
EN-064	6/26/2018	842.53	19.55	822.98
EN-064	7/24/2018	842.53	19.49	823.04
EN-064	8/28/2018	842.53	19.34	823.19
EN-065	2/14/2018	854.92	25.88	829.04
EN-065	3/22/2018	854.92	24.96	829.96
EN-065	4/24/2018	854.92	24.73	830.19
EN-065	5/23/2018	854.92	24.74	830.18
EN-065	6/26/2018	854.92	24.89	830.03
EN-065	7/24/2018	854.92	24.86	830.06
EN-065	8/28/2018	854.92	23.77	831.15
EN-066	5/23/2018	839.70	17.90	821.80
EN-066	8/28/2018	839.70	16.04	823.66
EN-067	1/3/2018	837.85	15.17	822.68
EN-067	5/23/2018	837.85	14.70	823.15
EN-067	8/28/2018	837.85	13.28	824.57
EN-069	1/3/2018	839.14	13.43	825.71
EN-069	5/23/2018	839.14	11.72	827.42
EN-069	8/28/2018	839.14	11.14	828.00
EN-070	1/3/2018	841.66	15.00	826.66
EN-070	5/23/2018	841.66	13.65	828.01
EN-070	8/28/2018	841.66	12.85	828.81
EN-072	5/23/2018	838.45	9.98	828.47
EN-072	8/28/2018	838.45	9.46	828.99
EN-073	5/23/2018	839.74	11.58	828.16
EN-073	8/28/2018	839.74	10.51	829.23
EN-074	2/14/2018	851.59	23.96	827.63
EN-074	3/22/2018	851.59	22.57	829.02

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-074	4/24/2018	851.59	22.38	829.21
EN-074	5/23/2018	851.59	22.11	829.48
EN-074	6/26/2018	851.59	22.92	828.67
EN-074	7/24/2018	851.59	22.12	829.47
EN-074	8/28/2018	851.59	21.17	830.42
EN-075	2/14/2018	851.20	21.63	829.57
EN-075	3/22/2018	851.20	20.54	830.66
EN-075	4/24/2018	851.20	20.43	830.77
EN-075	5/23/2018	851.20	20.65	830.55
EN-075	6/26/2018	851.20	20.98	830.22
EN-075	7/24/2018	851.20	20.17	831.03
EN-075	8/28/2018	851.20	19.70	831.50
EN-076	2/14/2018	853.06	26.72	826.34
EN-076	3/22/2018	853.06	26.12	826.94
EN-076	4/24/2018	853.06	26.05	827.01
EN-076	5/23/2018	853.06	26.11	826.95
EN-076	6/26/2018	853.06	26.19	826.87
EN-076	7/24/2018	853.06	26.08	826.98
EN-076	8/28/2018	853.06	25.52	827.54
EN-077	2/14/2018	854.25	27.21	827.04
EN-077	3/22/2018	854.25	26.36	827.89
EN-077	4/24/2018	854.25	26.30	827.95
EN-077	5/23/2018	854.25	26.32	827.93
EN-077	6/26/2018	854.25	26.38	827.87
EN-077	7/24/2018	854.25	26.27	827.98
EN-077	8/28/2018	854.25	25.72	828.53
EN-078	2/14/2018	852.16	25.19	826.97
EN-078	3/22/2018	852.16	24.66	827.50
EN-078	4/24/2018	852.16	24.56	827.60
EN-078	5/23/2018	852.16	24.58	827.58
EN-078	6/26/2018	852.16	24.62	827.54
EN-078	7/24/2018	852.16	24.52	827.64
EN-078	8/28/2018	852.16	24.01	828.15
EN-079	2/14/2018	848.15	28.18	819.97
EN-079	3/22/2018	848.15	28.08	820.07
EN-079	4/24/2018	848.15	27.91	820.24
EN-079	5/23/2018	848.15	27.97	820.18
EN-079	6/26/2018	848.15	27.94	820.21
EN-079	7/24/2018	848.15	27.80	820.35
EN-079	8/28/2018	848.15	27.02	821.13
EN-080	2/14/2018	848.14	20.93	827.21
EN-080	3/22/2018	848.14	20.33	827.81
EN-080	4/24/2018	848.14	20.09	828.05
EN-080	5/23/2018	848.14	20.14	828.00
EN-080	6/26/2018	848.14	20.13	828.01
EN-080	7/24/2018	848.14	20.19	827.95
EN-080	8/28/2018	848.14	19.54	828.60
EN-081	2/14/2018	850.03	21.10	828.93
EN-081	3/22/2018	850.03	20.05	829.98

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-081	4/24/2018	850.03	20.05	829.98
EN-081	5/23/2018	850.03	19.99	830.04
EN-081	6/26/2018	850.03	20.19	829.84
EN-081	7/24/2018	850.03	19.98	830.05
EN-081	8/28/2018	850.03	18.70	831.33
EN-083	5/23/2018	845.78	8.57	837.21
EN-083	8/28/2018	845.78	8.68	837.10
EN-084	5/23/2018	851.75	10.00	841.75
EN-084	8/28/2018	851.75	10.44	841.31
EN-086	5/23/2018	844.31	7.37	836.94
EN-086	8/28/2018	844.31	8.35	835.96
EN-087	5/23/2018	846.42	13.20	833.22
EN-087	8/28/2018	846.42	12.40	834.02
EN-091	2/14/2018	847.61	29.64	817.97
EN-091	3/22/2018	847.61	29.95	817.66
EN-091	4/24/2018	847.61	30.05	817.56
EN-091	5/23/2018	847.61	30.28	817.33
EN-091	6/26/2018	847.61	29.25	818.36
EN-091	7/24/2018	847.61	28.86	818.75
EN-091	8/28/2018	847.61	27.82	819.79
EN-091A	2/14/2018	848.14	30.00	818.14
EN-091A	3/22/2018	848.14	30.28	817.86
EN-091A	4/24/2018	848.14	30.39	817.75
EN-091A	5/23/2018	848.14	30.60	817.54
EN-091A	6/26/2018	848.14	29.56	818.58
EN-091A	7/24/2018	848.14	29.17	818.97
EN-091A	8/28/2018	848.14	28.13	820.01
EN-091T	2/14/2018	850.08	32.57	817.51
EN-091T	3/22/2018	850.08	32.83	817.25
EN-091T	4/24/2018	850.08	32.97	817.11
EN-091T	5/23/2018	850.08	32.95	817.13
EN-091T	6/26/2018	850.08	31.92	818.16
EN-092	2/14/2018	850.53	32.86	817.67
EN-092	3/22/2018	850.53	29.83	820.70
EN-092	4/24/2018	850.53	33.35	817.18
EN-092	5/23/2018	850.53	33.50	817.03
EN-092	6/26/2018	850.53	33.26	817.27
EN-092	7/24/2018	850.53	32.92	817.61
EN-092	8/28/2018	850.53	32.29	818.24
EN-092A	2/14/2018	847.21	29.66	817.55
EN-092A	3/22/2018	847.21	30.22	816.99
EN-092A	4/24/2018	847.21	30.33	816.88
EN-092A	5/23/2018	847.21	30.48	816.73
EN-092A	6/26/2018	847.21	30.27	816.94
EN-092A	7/24/2018	847.21	29.85	817.36
EN-092A	8/28/2018	847.21	29.10	818.11
EN-093	2/14/2018	848.68	31.88	816.80
EN-093	3/22/2018	848.68	32.70	815.98

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-093	4/24/2018	848.68	33.02	815.66
EN-093	5/23/2018	848.68	33.29	815.39
EN-093	6/26/2018	848.68	33.09	815.59
EN-093	7/24/2018	848.68	32.51	816.17
EN-093	8/28/2018	848.68	31.60	817.08
EN-094	2/14/2018	848.61	30.64	817.97
EN-094	3/22/2018	848.61	30.55	818.06
EN-094	4/24/2018	848.61	30.70	817.91
EN-094	5/23/2018	848.61	30.75	817.86
EN-094	6/26/2018	848.61	29.14	819.47
EN-094	7/24/2018	848.61	28.68	819.93
EN-094	8/28/2018	848.61	27.38	821.23
EN-095	5/23/2018	846.08	26.20	819.88
EN-095	8/28/2018	846.08	24.38	821.70
EN-096	5/23/2018	838.65	17.62	821.03
EN-096	8/28/2018	838.65	15.93	822.72
EN-097	5/23/2018	840.59	10.24	830.35
EN-097	8/28/2018	840.59	10.27	830.32
EN-099	2/14/2018	845.64	28.80	816.84
EN-099	3/22/2018	845.64	29.63	816.01
EN-099	4/24/2018	845.64	29.93	815.71
EN-099	5/23/2018	845.64	30.20	815.44
EN-099	6/26/2018	845.64	30.00	815.64
EN-099	7/24/2018	845.64	29.43	816.21
EN-099	8/28/2018	845.64	28.53	817.11
EN-100	2/14/2018	845.77	29.07	816.70
EN-100	3/22/2018	845.77	29.87	815.90
EN-100	4/24/2018	845.77	-1.00	-1.00
EN-100	5/23/2018	845.77	-1.00	-1.00
EN-100	6/26/2018	845.77	-1.00	-1.00
EN-100	7/24/2018	845.77	29.69	816.08
EN-100	8/28/2018	845.77	28.79	816.98
EN-102	2/14/2018	846.79	30.29	816.50
EN-102	3/22/2018	846.79	31.21	815.58
EN-102	4/24/2018	846.79	31.58	815.21
EN-102	5/23/2018	846.79	31.83	814.96
EN-102	6/26/2018	846.79	31.71	815.08
EN-102	7/24/2018	846.79	30.98	815.81
EN-102	8/28/2018	846.79	30.05	816.74
EN-103	5/23/2018	836.98	17.32	819.66
EN-103	8/28/2018	836.98	15.81	821.17
EN-104	5/23/2018	840.27	20.60	819.67
EN-104	8/28/2018	840.27	19.14	821.13
EN-105	5/23/2018	834.60	7.44	827.16
EN-105	8/28/2018	834.60	7.01	827.59
EN-106	5/23/2018	853.89	25.43	828.46
EN-106	8/28/2018	853.89	23.77	830.12
EN-107	8/14/2018	840.08	5.13	834.95
EN-107A	8/14/2018	837.77	3.23	834.54

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-107R	2/14/2018	839.23	15.98	823.25
EN-107R	3/22/2018	839.23	16.13	823.10
EN-107R	4/24/2018	839.23	16.27	822.96
EN-107R	5/23/2018	839.23	16.20	823.03
EN-107R	6/26/2018	839.23	8.24	830.99
EN-107R	7/24/2018	839.23	8.14	831.09
EN-107R	8/14/2018	839.23	4.44	834.79
EN-107R	8/28/2018	839.23	8.28	830.95
EN-111	2/14/2018	842.95	11.59	831.36
EN-111	3/22/2018	842.95	12.28	830.67
EN-111	4/24/2018	842.95	12.04	830.91
EN-111	5/23/2018	842.95	12.05	830.90
EN-111	6/26/2018	842.95	12.70	830.25
EN-111	7/24/2018	842.95	12.72	830.23
EN-111	8/28/2018	842.95	10.92	832.03
EN-112	2/14/2018	843.18	14.27	828.91
EN-112	3/22/2018	843.18	13.56	829.62
EN-112	4/24/2018	843.18	13.37	829.81
EN-112	5/23/2018	843.18	13.48	829.70
EN-112	6/26/2018	843.18	13.75	829.43
EN-112	7/24/2018	843.18	13.42	829.76
EN-112	8/28/2018	843.18	11.80	831.38
EN-113	2/14/2018	843.44	14.20	829.24
EN-113	3/22/2018	843.44	13.62	829.82
EN-113	4/24/2018	843.44	12.89	830.55
EN-113	5/23/2018	843.44	12.28	831.16
EN-113	6/26/2018	843.44	12.70	830.74
EN-113	7/24/2018	843.44	13.18	830.26
EN-113	8/28/2018	843.44	12.41	831.03
EN-114	5/23/2018	836.40	9.47	826.93
EN-114	8/14/2018	836.40	5.08	831.32
EN-114	8/28/2018	836.40	7.78	828.62
EN-114	12/31/2018	836.40	9.49	826.91
EN-114T	5/23/2018	838.87	16.77	822.10
EN-114T	8/28/2018	838.87	16.06	822.81
EN-114T	12/31/2018	838.87	14.60	824.27
EN-117	2/14/2018	842.78	16.22	826.56
EN-117	3/22/2018	842.78	14.60	828.18
EN-117	4/24/2018	842.78	14.47	828.31
EN-117	5/23/2018	842.78	14.16	828.62
EN-117	6/26/2018	842.78	14.92	827.86
EN-117	7/24/2018	842.78	13.64	829.14
EN-117	8/28/2018	842.78	13.02	829.76
EN-121	1/3/2018	837.09	11.00	826.09
EN-121	5/23/2018	837.09	9.13	827.96
EN-121	8/28/2018	837.09	8.82	828.27
EN-122	1/3/2018	836.39	10.39	826.00
EN-122	5/23/2018	836.39	8.72	827.67

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-122	8/28/2018	836.39	8.54	827.85
EN-123	1/3/2018	835.41	10.96	824.45
EN-123	5/23/2018	835.41	10.04	825.37
EN-123	8/28/2018	835.41	9.85	825.56
EN-125	2/14/2018	845.47	27.20	818.27
EN-125	3/22/2018	845.47	27.25	818.22
EN-125	4/24/2018	845.47	27.40	818.07
EN-125	5/23/2018	845.47	27.56	817.91
EN-125	6/26/2018	845.47	26.41	819.06
EN-125	7/24/2018	845.47	25.98	819.49
EN-125	8/28/2018	845.47	24.68	820.79
EN-126	2/14/2018	843.71	25.20	818.51
EN-126	3/22/2018	843.71	25.34	818.37
EN-126	4/24/2018	843.71	25.50	818.21
EN-126	5/23/2018	843.71	25.70	818.01
EN-126	6/26/2018	843.71	24.80	818.91
EN-126	7/24/2018	843.71	24.40	819.31
EN-126	8/28/2018	843.71	23.08	820.63
EN-127	2/14/2018	844.86	15.72	829.14
EN-127	3/22/2018	844.86	14.63	830.23
EN-127	4/24/2018	844.86	14.63	830.23
EN-127	5/23/2018	844.86	14.59	830.27
EN-127	6/26/2018	844.86	14.77	830.09
EN-127	7/24/2018	844.86	14.66	830.20
EN-127	8/28/2018	844.86	13.36	831.50
EN-129	2/14/2018	846.48	16.87	829.61
EN-129	3/22/2018	846.48	15.53	830.95
EN-129	4/24/2018	846.48	15.23	831.25
EN-129	5/23/2018	846.48	15.31	831.17
EN-129	6/26/2018	846.48	15.49	830.99
EN-129	7/24/2018	846.48	15.32	831.16
EN-129	8/28/2018	846.48	13.46	833.02
EN-130	2/14/2018	850.12	21.19	828.93
EN-130	3/22/2018	850.12	20.38	829.74
EN-130	4/24/2018	850.12	20.16	829.96
EN-130	5/23/2018	850.12	20.18	829.94
EN-130	6/26/2018	850.12	20.15	829.97
EN-130	7/24/2018	850.12	20.25	829.87
EN-130	8/28/2018	850.12	19.25	830.87
EN-131	2/14/2018	862.22	41.07	821.15
EN-131	3/22/2018	862.22	40.34	821.88
EN-131	4/24/2018	862.22	40.48	821.74
EN-131	5/23/2018	862.22	40.57	821.65
EN-131	6/26/2018	862.22	40.51	821.71
EN-131	7/24/2018	862.22	40.63	821.59
EN-131	8/28/2018	862.22	39.25	822.97
EN-132	2/14/2018	848.49	31.56	816.93
EN-132	3/22/2018	848.49	31.53	816.96
EN-132	4/24/2018	848.49	31.61	816.88

Endicott, New York
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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-132	5/23/2018	848.49	31.67	816.82
EN-132	6/26/2018	848.49	29.06	819.43
EN-132	7/24/2018	848.49	28.63	819.86
EN-132	8/28/2018	848.49	27.37	821.12
EN-133	2/14/2018	846.95	33.03	813.92
EN-133	3/22/2018	846.95	33.13	813.82
EN-133	4/24/2018	846.95	32.98	813.97
EN-133	5/23/2018	846.95	33.15	813.80
EN-133	6/26/2018	846.95	30.36	816.59
EN-133	7/24/2018	846.95	27.12	819.83
EN-133	8/28/2018	846.95	25.86	821.09
EN-146	1/3/2018	837.49	11.34	826.15
EN-146	5/23/2018	837.49	9.33	828.16
EN-146	8/28/2018	837.49	8.92	828.57
EN-148	2/14/2018	851.61	21.06	830.55
EN-148	3/22/2018	851.61	20.28	831.33
EN-148	4/24/2018	851.61	20.52	831.09
EN-148	5/23/2018	851.61	20.34	831.27
EN-148	6/26/2018	851.61	19.22	832.39
EN-148	7/24/2018	851.61	19.45	832.16
EN-148	8/14/2018	851.61	16.28	835.33
EN-148	8/23/2018	851.61	18.56	833.05
EN-148	8/28/2018	851.61	19.34	832.27
EN-148	9/5/2018	851.61	14.02	837.59
EN-148	9/14/2018	851.61	19.72	831.89
EN-148	12/31/2018	851.61	21.52	830.09
EN-149	5/23/2018	841.06	20.35	820.71
EN-149	8/28/2018	841.06	18.60	822.46
EN-150	5/23/2018	841.04	20.35	820.69
EN-150	8/28/2018	841.04	18.57	822.47
EN-151	5/23/2018	838.74	17.56	821.18
EN-151	8/28/2018	838.74	15.80	822.94
EN-152	5/23/2018	838.74	17.58	821.16
EN-152	8/28/2018	838.74	15.82	822.92
EN-153	5/23/2018	838.21	16.63	821.58
EN-153	8/28/2018	838.21	15.23	822.98
EN-154R	5/23/2018	838.31	17.28	821.03
EN-161	2/14/2018	847.17	28.34	818.83
EN-161	3/22/2018	847.17	28.28	818.89
EN-161	4/24/2018	847.17	28.42	818.75
EN-161	5/23/2018	847.17	28.42	818.75
EN-161	6/26/2018	847.17	28.28	818.89
EN-161	7/24/2018	847.17	28.30	818.87
EN-161	8/28/2018	847.17	27.67	819.50
EN-162	2/14/2018	856.48	37.18	819.30
EN-162	3/22/2018	856.48	37.18	819.30
EN-162	4/24/2018	856.48	37.06	819.42
EN-162	5/23/2018	856.48	37.04	819.44
EN-162	6/26/2018	856.48	37.02	819.46

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-162	7/24/2018	856.48	37.05	819.43
EN-162	8/28/2018	856.48	36.58	819.90
EN-163	2/14/2018	860.31	40.09	820.22
EN-163	3/22/2018	860.31	39.94	820.37
EN-163	4/24/2018	860.31	39.69	820.62
EN-163	5/23/2018	860.31	39.77	820.54
EN-163	6/26/2018	860.31	39.68	820.63
EN-163	7/24/2018	860.31	39.78	820.53
EN-163	8/28/2018	860.31	39.03	821.28
EN-164	1/3/2018	842.10	19.64	822.46
EN-164	5/23/2018	842.10	19.65	822.45
EN-164	8/28/2018	842.10	17.55	824.55
EN-165	5/23/2018	838.31	16.27	822.04
EN-165	8/28/2018	838.31	14.56	823.75
EN-166	1/3/2018	837.32	13.70	823.62
EN-166	5/23/2018	837.32	12.70	824.62
EN-166	8/28/2018	837.32	11.74	825.58
EN-167	1/3/2018	835.48	10.48	825.00
EN-167	5/23/2018	835.48	8.96	826.52
EN-170	2/14/2018	847.08	27.83	819.25
EN-170	3/22/2018	847.08	27.82	819.26
EN-170	4/24/2018	847.08	27.85	819.23
EN-170	5/23/2018	847.08	27.91	819.17
EN-170	6/26/2018	847.08	27.83	819.25
EN-170	7/24/2018	847.08	27.78	819.30
EN-170	8/28/2018	847.08	26.98	820.10
EN-173	2/14/2018	846.33	25.42	820.91
EN-173	3/22/2018	846.33	25.13	821.20
EN-173	4/24/2018	846.33	24.81	821.52
EN-173	5/23/2018	846.33	24.87	821.46
EN-173	6/26/2018	846.33	24.72	821.61
EN-173	7/24/2018	846.33	24.61	821.72
EN-173	8/28/2018	846.33	23.68	822.65
EN-174	2/14/2018	855.83	29.34	826.49
EN-174	3/22/2018	855.83	28.96	826.87
EN-174	4/24/2018	855.83	28.64	827.19
EN-174	5/23/2018	855.83	28.67	827.16
EN-174	6/26/2018	855.83	28.57	827.26
EN-174	7/24/2018	855.83	28.65	827.18
EN-174	8/28/2018	855.83	27.69	828.14
EN-175	2/14/2018	844.15	25.09	819.06
EN-175	3/22/2018	844.15	25.10	819.05
EN-175	4/24/2018	844.15	24.60	819.55
EN-175	5/23/2018	844.15	24.75	819.40
EN-175	6/26/2018	844.15	24.78	819.37
EN-175	7/24/2018	844.15	24.51	819.64
EN-175	8/28/2018	844.15	23.93	820.22
EN-176	5/23/2018	842.88	21.05	821.83
EN-176	8/28/2018	842.88	19.22	823.66

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-177	1/3/2018	841.88	16.44	825.44
EN-177	5/23/2018	841.88	15.63	826.25
EN-177	8/28/2018	841.88	14.02	827.86
EN-178	2/14/2018	854.18	38.84	815.34
EN-178	3/22/2018	854.18	38.23	815.95
EN-178	4/24/2018	854.18	38.68	815.50
EN-178	5/23/2018	854.18	38.88	815.30
EN-178	6/26/2018	854.18	38.88	815.30
EN-178	7/24/2018	854.18	38.93	815.25
EN-178	8/28/2018	854.18	37.77	816.41
EN-182	2/14/2018	847.90	28.26	819.64
EN-182	3/22/2018	847.90	28.23	819.67
EN-182	4/24/2018	847.90	28.25	819.65
EN-182	5/23/2018	847.90	28.29	819.61
EN-182	6/26/2018	847.90	28.14	819.76
EN-182	7/24/2018	847.90	28.09	819.81
EN-182	8/28/2018	847.90	27.32	820.58
EN-183	2/14/2018	846.97	27.00	819.97
EN-183	3/22/2018	846.97	27.08	819.89
EN-183	4/24/2018	846.97	26.98	819.99
EN-183	5/23/2018	846.97	26.98	819.99
EN-183	6/26/2018	846.97	26.90	820.07
EN-183	7/24/2018	846.97	26.81	820.16
EN-183	8/28/2018	846.97	25.98	820.99
EN-184	5/23/2018	846.44	9.82	836.62
EN-184	8/28/2018	846.44	10.05	836.39
EN-186	2/14/2018	851.62	24.23	827.39
EN-186	3/22/2018	851.62	22.40	829.22
EN-186	4/24/2018	851.62	22.20	829.42
EN-186	5/23/2018	851.62	21.90	829.72
EN-186	6/26/2018	851.62	22.77	828.85
EN-186	7/24/2018	851.62	21.88	829.74
EN-186	8/28/2018	851.62	20.86	830.76
EN-187	2/14/2018	851.66	20.85	830.81
EN-187	3/22/2018	851.66	19.90	831.76
EN-187	4/24/2018	851.66	20.13	831.53
EN-187	5/23/2018	851.66	20.14	831.52
EN-187	6/26/2018	851.66	20.50	831.16
EN-187	7/24/2018	851.66	19.76	831.90
EN-187	8/14/2018	851.66	17.60	834.06
EN-187	8/23/2018	851.66	18.85	832.81
EN-187	8/28/2018	851.66	19.24	832.42
EN-187	9/5/2018	851.66	19.27	832.39
EN-187	9/14/2018	851.66	19.68	831.98
EN-187	12/31/2018	851.66	21.20	830.46
EN-188	2/14/2018	848.13	18.93	829.20
EN-188	3/22/2018	848.13	17.90	830.23
EN-188	4/24/2018	848.13	17.63	830.50
EN-188	5/23/2018	848.13	17.78	830.35

Endicott, New York
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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-188	6/26/2018	848.13	18.15	829.98
EN-188	7/24/2018	848.13	17.80	830.33
EN-188	8/28/2018	848.13	16.81	831.32
EN-189	2/14/2018	851.00	21.75	829.25
EN-189	3/22/2018	851.00	20.54	830.46
EN-189	4/24/2018	851.00	20.47	830.53
EN-189	5/23/2018	851.00	20.43	830.57
EN-189	6/26/2018	851.00	20.95	830.05
EN-189	7/24/2018	851.00	20.34	830.66
EN-189	8/28/2018	851.00	19.36	831.64
EN-189	9/5/2018	851.00	19.84	831.16
EN-190	2/14/2018	851.76	34.84	816.92
EN-190	3/22/2018	851.76	34.49	817.27
EN-190	4/24/2018	851.76	34.53	817.23
EN-190	5/23/2018	851.76	34.68	817.08
EN-190	6/26/2018	851.76	34.56	817.20
EN-190	7/24/2018	851.76	34.51	817.25
EN-190	8/28/2018	851.76	34.28	817.48
EN-191A	2/14/2018	848.52	33.40	815.12
EN-191A	3/22/2018	848.52	34.03	814.49
EN-191A	4/24/2018	848.52	34.49	814.03
EN-191A	5/23/2018	848.52	34.80	813.72
EN-191A	6/26/2018	848.52	34.80	813.72
EN-191A	7/24/2018	848.52	33.68	814.84
EN-191A	8/28/2018	848.52	32.63	815.89
EN-192	2/14/2018	850.71	34.95	815.76
EN-192	3/22/2018	850.71	-1.00	-1.00
EN-192	4/24/2018	850.71	-1.00	-1.00
EN-192	5/23/2018	850.71	35.01	815.70
EN-192	6/26/2018	850.71	-1.00	-1.00
EN-192	7/24/2018	850.71	-1.00	-1.00
EN-192	8/28/2018	850.71	34.93	815.78
EN-193	2/14/2018	848.28	30.25	818.03
EN-193	3/22/2018	848.28	30.21	818.07
EN-193	4/24/2018	848.28	30.78	817.50
EN-193	5/23/2018	848.28	30.68	817.60
EN-193	6/26/2018	848.28	30.33	817.95
EN-193	7/24/2018	848.28	30.42	817.86
EN-193	8/28/2018	848.28	29.85	818.43
EN-194	2/14/2018	843.46	30.71	812.75
EN-194	3/22/2018	843.46	30.08	813.38
EN-194	4/24/2018	843.46	30.60	812.86
EN-194	5/23/2018	843.46	31.00	812.46
EN-194	6/26/2018	843.46	30.84	812.62
EN-195	2/14/2018	838.02	20.14	817.88
EN-195	3/22/2018	838.02	19.97	818.05
EN-195	4/24/2018	838.02	20.61	817.41
EN-195	5/23/2018	838.02	20.56	817.46

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-195	6/26/2018	838.02	20.18	817.84
EN-200	5/23/2018	850.27	18.29	831.98
EN-200	8/28/2018	850.27	17.35	832.92
EN-202	2/14/2018	848.44	29.20	819.24
EN-202	3/22/2018	848.44	22.83	825.61
EN-202	4/24/2018	848.44	28.98	819.46
EN-202	5/23/2018	848.44	28.99	819.45
EN-202	6/26/2018	848.44	28.37	820.07
EN-202	7/24/2018	848.44	28.08	820.36
EN-202	8/28/2018	848.44	26.73	821.71
EN-203	2/14/2018	846.10	30.04	816.06
EN-203	3/22/2018	846.10	30.81	815.29
EN-203	4/24/2018	846.10	31.05	815.05
EN-203	5/23/2018	846.10	31.12	814.98
EN-203	6/26/2018	846.10	31.00	815.10
EN-203	7/24/2018	846.10	30.72	815.38
EN-203	8/28/2018	846.10	29.93	816.17
EN-204	2/14/2018	856.44	40.00	816.44
EN-204	3/22/2018	856.44	41.62	814.82
EN-204	4/24/2018	856.44	42.41	814.03
EN-204	5/23/2018	856.44	42.78	813.66
EN-204	6/26/2018	856.44	42.93	813.51
EN-204	7/24/2018	856.44	42.75	813.69
EN-204	8/28/2018	856.44	41.64	814.80
EN-206	2/14/2018	859.47	42.06	817.41
EN-206	3/22/2018	859.47	42.95	816.52
EN-206	4/24/2018	859.47	43.69	815.78
EN-206	5/23/2018	859.47	44.14	815.33
EN-206	6/26/2018	859.47	44.37	815.10
EN-206	7/24/2018	859.47	44.34	815.13
EN-206	8/28/2018	859.47	42.92	816.55
EN-207	2/14/2018	854.92	42.83	812.09
EN-207	3/22/2018	854.92	43.07	811.85
EN-207	4/24/2018	854.92	43.14	811.78
EN-207	5/23/2018	854.92	43.93	810.99
EN-207	6/26/2018	854.92	43.98	810.94
EN-207	7/24/2018	854.92	43.98	810.94
EN-207	8/28/2018	854.92	41.95	812.97
EN-208A	2/14/2018	851.64	34.82	816.82
EN-208A	3/22/2018	851.64	34.51	817.13
EN-208A	4/24/2018	851.64	34.56	817.08
EN-208A	5/23/2018	851.64	34.72	816.92
EN-208A	6/26/2018	851.64	34.66	816.98
EN-208A	7/24/2018	851.64	34.70	816.94
EN-208A	8/28/2018	851.64	33.41	818.23
EN-210	2/14/2018	850.67	39.85	810.82

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-210	3/22/2018	850.67	40.75	809.92
EN-210	4/24/2018	850.67	40.07	810.60
EN-210	5/23/2018	850.67	41.38	809.29
EN-210	6/26/2018	850.67	42.41	808.26
EN-210	7/24/2018	850.67	42.60	808.07
EN-210	8/28/2018	850.67	40.44	810.23
EN-211	1/3/2018	837.73	11.98	825.75
EN-211	5/23/2018	837.73	10.15	827.58
EN-211	8/28/2018	837.73	9.71	828.02
EN-213A	2/14/2018	853.94	36.41	817.53
EN-213A	3/22/2018	853.94	36.40	817.54
EN-213A	4/24/2018	853.94	36.61	817.33
EN-213A	5/23/2018	853.94	36.89	817.05
EN-213A	6/26/2018	853.94	36.59	817.35
EN-213A	7/24/2018	853.94	36.63	817.31
EN-213A	8/28/2018	853.94	35.81	818.13
EN-214A	2/14/2018	846.40	30.48	815.92
EN-214A	3/22/2018	846.40	32.62	813.78
EN-214A	4/24/2018	846.40	33.32	813.08
EN-214A	5/23/2018	846.40	33.59	812.81
EN-214A	6/26/2018	846.40	33.80	812.60
EN-214A	7/24/2018	846.40	33.51	812.89
EN-214A	8/28/2018	846.40	32.52	813.88
EN-214B	2/14/2018	846.46	30.51	815.95
EN-214B	3/22/2018	846.46	32.67	813.79
EN-214B	4/24/2018	846.46	33.41	813.05
EN-214B	5/23/2018	846.46	33.48	812.98
EN-214B	6/26/2018	846.46	33.82	812.64
EN-214B	7/24/2018	846.46	33.61	812.85
EN-214B	8/28/2018	846.46	32.58	813.88
EN-215A	2/14/2018	847.50	33.08	814.42
EN-215A	3/22/2018	847.50	-1.00	-1.00
EN-215A	4/24/2018	847.50	-1.00	-1.00
EN-215A	5/23/2018	847.50	-1.00	-1.00
EN-215A	6/26/2018	847.50	-1.00	-1.00
EN-215A	7/24/2018	847.50	-1.00	-1.00
EN-215A	8/28/2018	847.50	32.12	815.38
EN-215B	2/14/2018	847.47	33.72	813.75
EN-215B	3/22/2018	847.47	34.90	812.57
EN-215B	4/24/2018	847.47	35.52	811.95
EN-215B	5/23/2018	847.47	35.76	811.71
EN-215B	6/26/2018	847.47	35.78	811.69
EN-215B	7/24/2018	847.47	33.54	813.93
EN-215B	8/28/2018	847.47	32.36	815.11
EN-215T	2/14/2018	847.00	42.70	804.30
EN-215T	3/22/2018	847.00	40.82	806.18
EN-215T	4/24/2018	847.00	41.30	805.70

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-215T	5/23/2018	847.00	42.37	804.63
EN-215T	6/26/2018	847.00	42.50	804.50
EN-215T	7/24/2018	847.00	33.01	813.99
EN-215T	8/28/2018	847.00	31.83	815.17
EN-217A	2/14/2018	857.13	39.31	817.82
EN-217A	3/22/2018	857.13	39.77	817.36
EN-217A	4/24/2018	857.13	40.22	816.91
EN-217A	5/23/2018	857.13	40.42	816.71
EN-217A	6/26/2018	857.13	40.43	816.70
EN-217A	7/24/2018	857.13	40.46	816.67
EN-217A	8/28/2018	857.13	39.29	817.84
EN-219R	2/14/2018	843.95	18.68	825.27
EN-219R	3/22/2018	843.95	21.30	822.65
EN-219R	4/24/2018	843.95	20.97	822.98
EN-219R	5/23/2018	843.95	15.25	828.70
EN-219R	6/26/2018	843.95	21.08	822.87
EN-219R	7/24/2018	843.95	7.75	836.20
EN-219R	8/28/2018	843.95	17.28	826.67
EN-253R	5/23/2018	843.96	18.53	825.43
EN-253R	8/28/2018	843.96	19.54	824.42
EN-253R	12/31/2018	843.96	17.51	826.45
EN-276	2/14/2018	852.29	33.32	818.97
EN-276	3/22/2018	852.29	31.65	820.64
EN-276	4/24/2018	852.29	31.91	820.38
EN-276	5/23/2018	852.29	29.42	822.87
EN-276	6/26/2018	852.29	31.78	820.51
EN-276	7/24/2018	852.29	31.70	820.59
EN-276	8/28/2018	852.29	27.60	824.69
EN-276	12/31/2018	852.29	27.75	824.54
EN-276A	2/14/2018	849.39	24.10	825.29
EN-276A	3/22/2018	849.39	23.06	826.33
EN-276A	4/24/2018	849.39	22.86	826.53
EN-276A	5/23/2018	849.39	23.23	826.16
EN-276A	6/26/2018	849.39	23.40	825.99
EN-276A	7/24/2018	849.39	23.00	826.39
EN-276A	8/23/2018	849.39	21.49	827.90
EN-276A	8/28/2018	849.39	21.57	827.82
EN-276A	9/5/2018	849.39	21.95	827.44
EN-276A	9/14/2018	849.39	21.54	827.85
EN-276A	12/31/2018	849.39	21.95	827.44
EN-276R	2/14/2018	852.54	28.85	823.69
EN-276R	3/22/2018	852.54	29.38	823.16
EN-276R	4/24/2018	852.54	29.40	823.14
EN-276R	5/23/2018	852.54	32.25	820.29
EN-276R	6/26/2018	852.54	29.45	823.09
EN-276R	7/24/2018	852.54	29.34	823.20

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-276R	8/28/2018	852.54	28.20	824.34
EN-276R	12/31/2018	852.54	28.02	824.52
EN-277	2/14/2018	852.36	25.75	826.61
EN-277	3/22/2018	852.36	25.84	826.52
EN-277	4/24/2018	852.36	25.99	826.37
EN-277	5/23/2018	852.36	25.28	827.08
EN-277	6/26/2018	852.36	25.88	826.48
EN-277	7/24/2018	852.36	24.94	827.42
EN-277	8/28/2018	852.36	24.93	827.43
EN-278	2/14/2018	850.75	-1.00	-1.00
EN-278	3/22/2018	850.75	-1.00	-1.00
EN-278	4/24/2018	850.75	-1.00	-1.00
EN-278	5/23/2018	850.75	35.30	815.45
EN-278	6/26/2018	850.75	-1.00	-1.00
EN-278	7/24/2018	850.75	-1.00	-1.00
EN-278	8/28/2018	850.75	-1.00	-1.00
EN-279	2/14/2018	850.30	-1.00	-1.00
EN-279	3/22/2018	850.30	-1.00	-1.00
EN-279	4/24/2018	850.30	-1.00	-1.00
EN-279	5/23/2018	850.30	-1.00	-1.00
EN-279	6/26/2018	850.30	-1.00	-1.00
EN-279	7/24/2018	850.30	-1.00	-1.00
EN-279	8/28/2018	850.30	-1.00	-1.00
EN-284	2/14/2018	850.72	45.05	805.67
EN-284	3/22/2018	850.72	45.17	805.55
EN-284	4/24/2018	850.72	45.22	805.50
EN-284	5/23/2018	850.72	45.40	805.32
EN-284	6/26/2018	850.72	45.43	805.29
EN-284	7/24/2018	850.72	45.36	805.36
EN-284	8/28/2018	850.72	44.47	806.25
EN-284P	2/14/2018	852.86	44.66	808.20
EN-284P	3/22/2018	852.86	46.15	806.71
EN-284P	4/24/2018	852.86	49.05	803.81
EN-284P	5/23/2018	852.86	49.15	803.71
EN-284P	6/26/2018	852.86	49.28	803.58
EN-284P	7/24/2018	852.86	49.22	803.64
EN-284P	8/28/2018	852.86	46.25	806.61
EN-284TD	12/31/2018	853.55	47.02	806.53
EN-301	2/14/2018	848.16	29.98	818.18
EN-301	3/22/2018	848.16	29.85	818.31
EN-301	4/24/2018	848.16	29.95	818.21
EN-301	5/23/2018	848.16	29.97	818.19
EN-301	6/26/2018	848.16	28.53	819.63
EN-301	7/24/2018	848.16	28.09	820.07
EN-301	8/28/2018	848.16	26.80	821.36
EN-302	2/14/2018	843.02	15.24	827.78

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-302	3/22/2018	843.02	14.70	828.32
EN-302	4/24/2018	843.02	14.63	828.39
EN-302	5/23/2018	843.02	14.51	828.51
EN-302	6/26/2018	843.02	14.67	828.35
EN-302	7/24/2018	843.02	14.59	828.43
EN-302	8/28/2018	843.02	14.34	828.68
EN-304	5/23/2018	849.63	17.03	832.60
EN-304	8/28/2018	849.63	15.60	834.03
EN-310	2/14/2018	846.05	-1.00	-1.00
EN-310	3/22/2018	846.05	-1.00	-1.00
EN-310	4/24/2018	846.05	-1.00	-1.00
EN-310	5/23/2018	846.05	28.09	817.96
EN-310	6/26/2018	846.05	-1.00	-1.00
EN-310	7/24/2018	846.05	-1.00	-1.00
EN-310	8/28/2018	846.05	-1.00	-1.00
EN-311	2/14/2018	849.30	40.54	808.76
EN-311	3/22/2018	849.30	40.84	808.46
EN-311	4/24/2018	849.30	40.00	809.30
EN-311	5/23/2018	849.30	41.53	807.77
EN-311	6/26/2018	849.30	44.16	805.14
EN-311	7/24/2018	849.30	44.42	804.88
EN-311	8/28/2018	849.30	41.52	807.78
EN-380	2/14/2018	847.35	20.13	827.22
EN-380	3/22/2018	847.35	19.53	827.82
EN-380	4/24/2018	847.35	19.26	828.09
EN-380	5/23/2018	847.35	19.31	828.04
EN-380	6/26/2018	847.35	19.33	828.02
EN-380	7/24/2018	847.35	19.43	827.92
EN-380	8/28/2018	847.35	-1.00	-1.00
EN-381	2/14/2018	846.35	23.06	823.29
EN-381	3/22/2018	846.35	22.52	823.83
EN-381	4/24/2018	846.35	22.08	824.27
EN-381	5/23/2018	846.35	22.11	824.24
EN-381	6/26/2018	846.35	21.93	824.42
EN-381	7/24/2018	846.35	21.98	824.37
EN-381	8/28/2018	846.35	20.85	825.50
EN-382	2/14/2018	852.26	24.68	827.58
EN-382	3/22/2018	852.26	24.03	828.23
EN-382	4/24/2018	852.26	23.78	828.48
EN-382	5/23/2018	852.26	23.75	828.51
EN-382	6/26/2018	852.26	23.76	828.50
EN-382	7/24/2018	852.26	23.78	828.48
EN-382	8/28/2018	852.26	22.88	829.38
EN-384	2/14/2018	847.86	19.13	828.73
EN-384	3/22/2018	847.86	18.39	829.47
EN-384	4/24/2018	847.86	18.16	829.70
EN-384	5/23/2018	847.86	18.25	829.61

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-384	6/26/2018	847.86	18.22	829.64
EN-384	7/24/2018	847.86	18.27	829.59
EN-384	8/28/2018	847.86	17.38	Dry
EN-385	2/14/2018	846.21	17.03	829.50
EN-385	3/22/2018	846.21	19.35	829.76
EN-385	4/24/2018	846.21	15.65	830.56
EN-385	5/23/2018	846.21	15.67	830.54
EN-385	6/26/2018	846.21	15.75	830.46
EN-385	7/24/2018	846.21	15.73	830.48
EN-385	8/28/2018	846.21	14.31	831.90
EN-386	2/14/2018	848.49	19.55	828.94
EN-386	3/22/2018	848.49	18.73	829.76
EN-386	4/24/2018	848.49	18.52	829.97
EN-386	5/23/2018	848.49	18.57	829.92
EN-386	6/26/2018	848.49	18.66	829.83
EN-386	7/24/2018	848.49	18.64	829.85
EN-386	8/28/2018	848.49	17.74	830.75
EN-387A	2/14/2018	854.23	25.18	829.05
EN-387A	3/22/2018	854.23	24.37	829.86
EN-387A	4/24/2018	854.23	24.28	829.95
EN-387A	5/23/2018	854.23	24.08	830.15
EN-387A	6/26/2018	854.23	24.20	830.03
EN-387A	7/24/2018	854.23	24.18	830.05
EN-387A	8/28/2018	854.23	23.04	831.19
EN-392R	2/14/2018	846.95	17.60	829.61
EN-392R	3/22/2018	846.95	16.08	830.87
EN-392R	4/24/2018	846.95	15.93	831.07
EN-392R	5/23/2018	846.95	15.90	831.08
EN-392R	6/26/2018	846.95	16.07	830.88
EN-392R	7/24/2018	846.95	15.99	831.00
EN-392R	8/28/2018	846.95	14.61	832.38
EN-393	2/14/2018	847.94	19.31	828.63
EN-393	3/22/2018	847.94	18.73	829.21
EN-393	4/24/2018	847.94	18.59	829.35
EN-393	5/23/2018	847.94	19.71	828.23
EN-393	6/26/2018	847.94	18.67	829.27
EN-393	7/24/2018	847.94	18.71	829.23
EN-393	8/28/2018	847.94	18.03	829.91
EN-394	2/14/2018	851.42	23.57	827.85
EN-394	3/22/2018	851.42	22.78	828.64
EN-394	4/24/2018	851.42	22.54	828.88
EN-394	5/23/2018	851.42	22.50	828.92
EN-394	6/26/2018	851.42	22.57	828.85
EN-394	7/24/2018	851.42	22.63	828.79
EN-394	8/28/2018	851.42	21.68	829.74
EN-395	2/14/2018	849.91	20.47	829.44
EN-395	3/22/2018	849.91	19.61	830.30

Endicott, New York
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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-395	4/24/2018	849.91	19.26	830.65
EN-395	5/23/2018	849.91	19.36	830.55
EN-395	6/26/2018	849.91	19.48	830.43
EN-395	7/24/2018	849.91	19.38	830.53
EN-395	8/28/2018	849.91	18.17	831.74
EN-396	2/14/2018	848.45	19.53	829.06
EN-396	3/22/2018	848.45	22.02	829.37
EN-396	4/24/2018	848.45	18.14	830.31
EN-396	5/23/2018	848.45	18.15	830.30
EN-396	6/26/2018	848.45	18.19	830.26
EN-396	7/24/2018	848.45	18.20	830.25
EN-396	8/28/2018	848.45	17.02	831.43
EN-397	3/22/2018	844.83	13.55	831.28
EN-397	4/24/2018	844.83	13.64	831.19
EN-397	5/23/2018	844.83	13.69	831.14
EN-397	6/26/2018	844.83	13.98	830.85
EN-397	7/24/2018	844.83	13.75	831.08
EN-397	8/28/2018	844.83	-1.00	-1.00
EN-398	2/14/2018	845.22	16.17	829.15
EN-398	3/22/2018	845.22	14.74	830.59
EN-398	4/24/2018	845.22	14.82	830.53
EN-398	5/23/2018	845.22	14.83	830.57
EN-398	6/26/2018	845.22	15.10	830.24
EN-398	7/24/2018	845.22	14.93	830.38
EN-398	8/28/2018	845.22	13.15	832.13
EN-399	2/14/2018	846.23	15.94	830.29
EN-399	3/22/2018	846.23	15.25	831.02
EN-399	4/24/2018	846.23	15.04	831.29
EN-399	5/23/2018	846.23	14.99	831.24
EN-399	6/26/2018	846.23	15.19	831.04
EN-401	2/14/2018	851.79	36.97	814.82
EN-401	3/22/2018	851.79	37.39	814.40
EN-401	4/24/2018	851.79	37.76	814.03
EN-401	5/23/2018	851.79	38.17	813.62
EN-401	6/26/2018	851.79	38.34	813.45
EN-401	7/24/2018	851.79	38.40	813.39
EN-401	8/28/2018	851.79	36.99	814.80
EN-402	2/14/2018	851.41	38.46	812.95
EN-402	3/22/2018	851.41	38.91	812.50
EN-402	4/24/2018	851.41	39.10	812.31
EN-402	5/23/2018	851.41	39.36	812.05
EN-402	6/26/2018	851.41	-1.00	-1.00
EN-402	7/24/2018	851.41	-1.00	-1.00
EN-402	8/28/2018	851.41	37.99	813.42
EN-403	2/14/2018	854.97	38.10	816.87
EN-403	3/22/2018	854.97	37.60	817.37

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-403	4/24/2018	854.97	38.13	816.84
EN-403	5/23/2018	854.97	38.42	816.55
EN-403	6/26/2018	854.97	38.51	816.46
EN-403	7/24/2018	854.97	38.56	816.41
EN-403	8/28/2018	854.97	36.69	818.28
EN-404	2/14/2018	848.43	31.36	817.07
EN-404	3/22/2018	848.43	31.06	817.37
EN-404	4/24/2018	848.43	31.18	817.25
EN-404	5/23/2018	848.43	31.31	817.12
EN-404	6/26/2018	848.43	31.32	817.11
EN-404	7/24/2018	848.43	31.40	817.03
EN-404	8/28/2018	848.43	30.42	818.01
EN-409	5/23/2018	843.62	8.68	834.94
EN-409	8/28/2018	843.62	5.18	838.44
EN-411	5/23/2018	843.41	4.88	838.53
EN-411	8/28/2018	843.41	9.31	834.10
EN-414	2/14/2018	859.73	38.95	820.78
EN-414	3/22/2018	859.73	38.55	821.18
EN-414	4/24/2018	859.73	38.48	821.25
EN-414	5/23/2018	859.73	38.50	821.23
EN-414	6/26/2018	859.73	38.37	821.36
EN-414	7/24/2018	859.73	38.81	820.92
EN-414	8/28/2018	859.73	37.82	821.91
EN-415	2/14/2018	858.92	39.32	819.60
EN-415	3/22/2018	858.92	39.32	819.60
EN-415	4/24/2018	858.92	39.20	819.72
EN-415	5/23/2018	858.92	39.19	819.73
EN-415	6/26/2018	858.92	39.15	819.77
EN-415	7/24/2018	858.92	39.18	819.74
EN-415	8/28/2018	858.92	38.60	820.32
EN-419	2/14/2018	850.27	-1.00	-1.00
EN-419	3/22/2018	850.27	22.28	827.99
EN-419	4/24/2018	850.27	22.38	827.89
EN-419	5/23/2018	850.27	22.57	827.70
EN-419	6/26/2018	850.27	22.70	827.57
EN-419	7/24/2018	850.27	22.50	827.77
EN-419	8/28/2018	850.27	21.52	828.75
EN-421	2/14/2018	850.76	23.23	827.53
EN-421	3/22/2018	850.76	22.68	828.08
EN-421	4/24/2018	850.76	22.67	828.09
EN-421	5/23/2018	850.76	22.66	828.10
EN-421	6/26/2018	850.76	22.75	828.01
EN-421	7/24/2018	850.76	22.63	828.13
EN-421	8/28/2018	850.76	22.02	828.74
EN-422	2/14/2018	851.86	23.55	828.31
EN-422	3/22/2018	851.86	22.96	828.90
EN-422	4/24/2018	851.86	22.91	828.95

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-422	5/23/2018	851.86	22.89	828.97
EN-422	6/26/2018	851.86	22.99	828.87
EN-422	7/24/2018	851.86	22.82	829.04
EN-422	8/28/2018	851.86	22.15	829.71
EN-426	2/14/2018	854.29	36.98	817.31
EN-426	3/22/2018	854.29	36.71	817.58
EN-426	4/24/2018	854.29	37.15	817.14
EN-426	5/23/2018	854.29	37.26	817.03
EN-426	6/26/2018	854.29	37.30	816.99
EN-426	7/24/2018	854.29	37.25	817.04
EN-426	8/28/2018	854.29	35.78	818.51
EN-427	2/14/2018	857.00	38.98	818.02
EN-427	3/22/2018	857.00	38.93	818.07
EN-427	4/24/2018	857.00	39.32	817.68
EN-427	5/23/2018	857.00	39.60	817.40
EN-427	6/26/2018	857.00	39.56	817.44
EN-427	7/24/2018	857.00	39.68	817.32
EN-427	8/28/2018	857.00	38.09	818.91
EN-428	2/14/2018	840.82	16.30	824.52
EN-428	3/22/2018	840.82	16.57	824.25
EN-428	4/24/2018	840.82	16.36	824.46
EN-428	5/23/2018	840.82	16.41	824.41
EN-428	6/26/2018	840.82	15.66	825.16
EN-428	7/24/2018	840.82	16.34	824.48
EN-428	8/28/2018	840.82	16.83	823.99
EN-428	12/31/2018	840.97	10.87	830.10
EN-428P	12/31/2018	841.49	11.38	830.11
EN-429	2/14/2018	849.45	-1.00	-1.00
EN-429	3/22/2018	849.45	21.59	827.86
EN-429	4/24/2018	849.45	21.40	828.05
EN-429	5/23/2018	849.45	21.95	827.50
EN-429	6/26/2018	849.45	22.23	827.22
EN-429	7/24/2018	849.45	21.58	827.87
EN-429	8/28/2018	849.45	20.31	829.14
EN-430	2/14/2018	850.10	22.15	827.95
EN-430	3/22/2018	850.10	21.85	828.25
EN-430	4/24/2018	850.10	22.00	828.10
EN-430	5/23/2018	850.10	22.17	827.93
EN-430	6/26/2018	850.10	22.22	827.88
EN-430	7/24/2018	850.10	22.13	827.97
EN-430	8/28/2018	850.10	21.28	828.82
EN-431	2/14/2018	850.66	22.38	828.28
EN-431	3/22/2018	850.66	21.84	828.82
EN-431	4/24/2018	850.66	21.88	828.78
EN-431	5/23/2018	850.66	21.98	828.68
EN-431	6/26/2018	850.66	22.04	828.62
EN-431	7/24/2018	850.66	21.89	828.77
EN-431	8/28/2018	850.66	21.33	829.33

Groundwater Elevation Data - 1/1/2018 to 12/31/2018

Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-432	2/14/2018	851.01	22.89	828.12
EN-432	3/22/2018	851.01	22.15	828.86
EN-432	4/24/2018	851.01	22.12	828.89
EN-432	5/23/2018	851.01	22.17	828.84
EN-432	6/26/2018	851.01	22.25	828.76
EN-432	7/24/2018	851.01	22.09	828.92
EN-432	8/28/2018	851.01	21.57	829.44
EN-433	2/14/2018	851.24	-1.00	-1.00
EN-433	3/22/2018	851.24	22.65	828.59
EN-433	4/24/2018	851.24	22.62	828.62
EN-433	5/23/2018	851.24	22.57	828.67
EN-433	6/26/2018	851.24	22.68	828.56
EN-433	7/24/2018	851.24	22.62	828.62
EN-433	8/28/2018	851.24	22.02	829.22
EN-434	2/14/2018	851.57	23.43	828.14
EN-434	3/22/2018	851.57	22.83	828.74
EN-434	4/24/2018	851.57	22.77	828.80
EN-434	5/23/2018	851.57	22.74	828.83
EN-434	6/26/2018	851.57	22.83	828.74
EN-434	7/24/2018	851.57	22.72	828.85
EN-434	8/28/2018	851.57	22.12	829.45
EN-435	2/14/2018	851.42	23.01	828.41
EN-435	3/22/2018	851.42	22.38	829.04
EN-435	4/24/2018	851.42	22.35	829.07
EN-435	5/23/2018	851.42	22.37	829.05
EN-435	6/26/2018	851.42	22.43	828.99
EN-435	7/24/2018	851.42	22.29	829.13
EN-435	8/28/2018	851.42	21.66	829.76
EN-436	2/14/2018	849.04	31.12	817.92
EN-436	3/22/2018	849.04	31.50	817.54
EN-436	4/24/2018	849.04	31.50	817.54
EN-436	5/23/2018	849.04	31.75	817.29
EN-436	6/26/2018	849.04	31.42	817.62
EN-436	7/24/2018	849.04	31.09	817.95
EN-436	8/28/2018	849.04	30.44	818.60
EN-437	2/14/2018	847.71	31.50	816.21
EN-437	3/22/2018	847.71	32.08	815.63
EN-437	4/24/2018	847.71	32.06	815.65
EN-437	5/23/2018	847.71	31.21	816.50
EN-437	6/26/2018	847.71	32.09	815.62
EN-437	7/24/2018	847.71	31.83	815.88
EN-437	8/28/2018	847.71	31.14	816.57
EN-438	2/14/2018	847.10	29.61	817.49
EN-438	3/22/2018	847.10	30.17	816.93
EN-438	4/24/2018	847.10	30.30	816.80
EN-438	5/23/2018	847.10	30.52	816.58
EN-438	6/26/2018	847.10	30.25	816.85
EN-438	7/24/2018	847.10	29.85	817.25
EN-438	8/28/2018	847.10	29.08	818.02

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-439A	2/14/2018	844.18	-1.00	-1.00
EN-439A	3/22/2018	844.18	-1.00	-1.00
EN-439A	4/24/2018	844.18	-1.00	-1.00
EN-439A	5/23/2018	844.18	-1.00	-1.00
EN-439A	6/26/2018	844.18	-1.00	-1.00
EN-439A	7/24/2018	844.18	-1.00	-1.00
EN-439A	8/28/2018	844.18	-1.00	-1.00
EN-439B	2/14/2018	844.34	27.82	816.52
EN-439B	3/22/2018	844.34	28.47	815.87
EN-439B	4/24/2018	844.34	28.70	815.64
EN-439B	5/23/2018	844.34	28.90	815.44
EN-439B	6/26/2018	844.34	28.73	815.61
EN-439B	7/24/2018	844.34	28.22	816.12
EN-439B	8/28/2018	844.34	27.47	816.87
EN-440	2/14/2018	845.53	29.79	815.74
EN-440	3/22/2018	845.53	30.87	814.66
EN-440	4/24/2018	845.53	31.35	814.18
EN-440	5/23/2018	845.53	31.60	813.93
EN-440	6/26/2018	845.53	31.50	814.03
EN-440	7/24/2018	845.53	30.58	814.95
EN-440	8/28/2018	845.53	29.52	816.01
EN-441	2/14/2018	847.19	31.86	815.33
EN-441	3/22/2018	847.19	32.96	814.23
EN-441	4/24/2018	847.19	33.55	813.64
EN-441	5/23/2018	847.19	33.82	813.37
EN-441	6/26/2018	847.19	33.85	813.34
EN-441	7/24/2018	847.19	32.64	814.55
EN-441	8/28/2018	847.19	31.57	815.62
EN-442A	2/14/2018	847.92	-1.00	-1.00
EN-442A	3/22/2018	847.92	-1.00	-1.00
EN-442A	4/24/2018	847.92	-1.00	-1.00
EN-442A	5/23/2018	847.92	-1.00	-1.00
EN-442A	6/26/2018	847.92	-1.00	-1.00
EN-442A	7/24/2018	847.92	-1.00	-1.00
EN-442A	8/28/2018	847.92	-1.00	-1.00
EN-442B	2/14/2018	847.94	32.83	815.11
EN-442B	3/22/2018	847.94	34.28	813.66
EN-442B	4/24/2018	847.94	34.92	813.02
EN-442B	5/23/2018	847.94	35.18	812.76
EN-442B	6/26/2018	847.94	35.26	812.68
EN-442B	7/24/2018	847.94	33.82	814.12
EN-442B	8/28/2018	847.94	32.66	815.28
EN-443	2/14/2018	846.75	29.32	817.43
EN-443	3/22/2018	846.75	29.50	817.25
EN-443	4/24/2018	846.75	29.72	817.03
EN-443	5/23/2018	846.75	29.62	817.13
EN-443	6/26/2018	846.75	29.58	817.17
EN-443	7/24/2018	846.75	29.51	817.24
EN-443	8/28/2018	846.75	28.82	817.93

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-444A	2/14/2018	846.58	-1.00	-1.00
EN-444A	3/22/2018	846.58	-1.00	-1.00
EN-444A	4/24/2018	846.58	-1.00	-1.00
EN-444A	5/23/2018	846.58	-1.00	-1.00
EN-444A	6/26/2018	846.58	-1.00	-1.00
EN-444A	7/24/2018	846.58	-1.00	-1.00
EN-444A	8/28/2018	846.58	-1.00	-1.00
EN-444B	2/14/2018	846.54	31.29	815.25
EN-444B	3/22/2018	846.54	32.76	813.78
EN-444B	4/24/2018	846.54	33.51	813.03
EN-444B	5/23/2018	846.54	33.75	812.79
EN-444B	6/26/2018	846.54	33.82	812.72
EN-444B	7/24/2018	846.54	32.43	814.11
EN-444B	8/28/2018	846.54	31.24	815.30
EN-445	2/14/2018	840.88	24.93	815.95
EN-445	3/22/2018	840.88	25.79	815.09
EN-445	4/24/2018	840.88	26.18	814.70
EN-445	5/23/2018	840.88	26.35	814.53
EN-445	6/26/2018	840.88	26.27	814.61
EN-445	7/24/2018	840.88	25.72	815.16
EN-445	8/28/2018	840.88	24.75	816.13
EN-446A	2/14/2018	845.02	-1.00	-1.00
EN-446A	3/22/2018	845.02	-1.00	-1.00
EN-446A	4/24/2018	845.02	-1.00	-1.00
EN-446A	5/23/2018	845.02	-1.00	-1.00
EN-446A	6/26/2018	845.02	-1.00	-1.00
EN-446A	7/24/2018	845.02	-1.00	-1.00
EN-446A	8/28/2018	845.02	-1.00	-1.00
EN-446B	2/14/2018	845.11	29.35	815.76
EN-446B	3/22/2018	845.11	30.81	814.30
EN-446B	4/24/2018	845.11	31.55	813.56
EN-446B	5/23/2018	845.11	31.85	813.26
EN-446B	6/26/2018	845.11	31.85	813.26
EN-446B	7/24/2018	845.11	30.71	814.40
EN-446B	8/28/2018	845.11	29.41	815.70
EN-447A	2/14/2018	845.75	-1.00	-1.00
EN-447A	3/22/2018	845.75	-1.00	-1.00
EN-447A	4/24/2018	845.75	-1.00	-1.00
EN-447A	5/23/2018	845.75	-1.00	-1.00
EN-447A	6/26/2018	845.75	-1.00	-1.00
EN-447A	7/24/2018	845.75	-1.00	-1.00
EN-447A	8/28/2018	845.75	-1.00	-1.00
EN-447B	2/14/2018	845.73	33.52	812.21
EN-447B	3/22/2018	845.73	36.24	809.49
EN-447B	4/24/2018	845.73	36.33	809.40
EN-447B	5/23/2018	845.73	36.42	809.31
EN-447B	6/26/2018	845.73	36.51	809.22
EN-447B	7/24/2018	845.73	36.72	809.01
EN-447B	8/28/2018	845.73	35.77	809.96

Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-447T	2/14/2018	848.02	38.61	809.41
EN-447T	3/22/2018	848.02	42.90	805.12
EN-447T	4/24/2018	848.02	42.80	805.22
EN-447T	5/23/2018	848.02	41.33	806.69
EN-447T	6/26/2018	848.02	40.12	807.90
EN-447T	7/24/2018	848.02	43.15	804.87
EN-447T	8/28/2018	848.02	43.27	804.75
EN-448	2/14/2018	848.29	-1.00	-1.00
EN-448	3/22/2018	848.29	-1.00	-1.00
EN-448	4/24/2018	848.29	-1.00	-1.00
EN-448	5/23/2018	848.29	-1.00	-1.00
EN-448	6/26/2018	848.29	-1.00	-1.00
EN-448	7/24/2018	848.29	-1.00	-1.00
EN-448	8/28/2018	848.29	-1.00	-1.00
EN-449	2/14/2018	857.00	40.45	816.55
EN-449	3/22/2018	857.00	42.02	814.98
EN-449	4/24/2018	857.00	42.80	814.20
EN-449	5/23/2018	857.00	43.18	813.82
EN-449	6/26/2018	857.00	43.40	813.60
EN-449	7/24/2018	857.00	43.23	813.77
EN-449	8/28/2018	857.00	42.24	814.76
EN-450	2/14/2018	846.27	28.40	817.87
EN-450	3/22/2018	846.27	28.62	817.65
EN-450	4/24/2018	846.27	28.71	817.56
EN-450	5/23/2018	846.27	28.95	817.32
EN-450	6/26/2018	846.27	28.22	818.05
EN-450	7/24/2018	846.27	27.85	818.42
EN-450	8/28/2018	846.27	26.94	819.33
EN-451	2/14/2018	846.26	28.49	817.77
EN-451	3/22/2018	846.26	28.60	817.66
EN-451	4/24/2018	846.26	28.69	817.57
EN-451	5/23/2018	846.26	28.82	817.44
EN-451	6/26/2018	846.26	27.26	819.00
EN-451	7/24/2018	846.26	26.85	819.41
EN-451	8/28/2018	846.26	25.72	820.54
EN-451P	2/14/2018	845.63	28.15	817.48
EN-451P	3/22/2018	845.63	28.62	817.01
EN-451P	4/24/2018	845.63	28.32	817.31
EN-451P	5/23/2018	845.63	28.27	817.36
EN-451P	6/26/2018	845.63	26.48	819.15
EN-453	2/14/2018	841.42	23.84	817.58
EN-453	3/22/2018	841.42	24.37	817.05
EN-453	4/24/2018	841.42	24.59	816.83
EN-453	5/23/2018	841.42	24.80	816.62
EN-453	6/26/2018	841.42	24.32	817.10
EN-453	7/24/2018	841.42	23.93	817.49
EN-453	8/28/2018	841.42	22.98	818.44
EN-454	2/14/2018	844.42	27.31	817.11
EN-454	3/22/2018	844.42	27.95	816.47

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-454	4/24/2018	844.42	28.14	816.28
EN-454	5/23/2018	844.42	28.38	816.04
EN-454	6/26/2018	844.42	28.05	816.37
EN-454	7/24/2018	844.42	27.61	816.81
EN-454	8/28/2018	844.42	26.78	817.64
EN-455	2/14/2018	843.22	26.38	816.84
EN-455	3/22/2018	843.22	27.27	815.95
EN-455	4/24/2018	843.22	27.47	815.75
EN-455	5/23/2018	843.22	27.62	815.60
EN-455	6/26/2018	843.22	27.44	815.78
EN-455	7/24/2018	843.22	27.01	816.21
EN-455	8/28/2018	843.22	26.33	816.89
EN-456	2/14/2018	845.00	28.45	816.55
EN-456	3/22/2018	845.00	29.23	815.77
EN-456	4/24/2018	845.00	29.51	815.49
EN-456	5/23/2018	845.00	29.70	815.30
EN-456	6/26/2018	845.00	29.56	815.44
EN-456	7/24/2018	845.00	29.01	815.99
EN-456	8/28/2018	845.00	28.14	816.86
EN-457A	2/14/2018	842.82	-1.00	-1.00
EN-457A	3/22/2018	842.82	-1.00	-1.00
EN-457A	4/24/2018	842.82	-1.00	-1.00
EN-457A	5/23/2018	842.82	-1.00	-1.00
EN-457A	6/26/2018	842.82	-1.00	-1.00
EN-457A	7/24/2018	842.82	-1.00	-1.00
EN-457A	8/28/2018	842.82	-1.00	-1.00
EN-457B	2/14/2018	843.03	27.38	815.65
EN-457B	3/22/2018	843.03	28.81	814.22
EN-457B	4/24/2018	843.03	29.51	813.52
EN-457B	5/23/2018	843.03	29.73	813.30
EN-457B	6/26/2018	843.03	29.80	813.23
EN-457B	7/24/2018	843.03	28.85	814.18
EN-457B	8/28/2018	843.03	27.60	815.43
EN-458	2/14/2018	843.83	-1.00	-1.00
EN-458	3/22/2018	843.83	23.49	820.34
EN-458	4/24/2018	843.83	22.77	821.06
EN-458	5/23/2018	843.83	22.72	821.11
EN-458	6/26/2018	843.83	22.79	821.04
EN-458	7/24/2018	843.83	23.02	820.81
EN-458	8/28/2018	843.83	22.68	821.15
EN-459A	2/14/2018	847.27	38.53	808.74
EN-459A	3/22/2018	847.27	38.90	808.37
EN-459A	4/24/2018	847.27	37.98	809.29
EN-459A	5/23/2018	847.27	39.54	807.73
EN-459A	6/26/2018	847.27	42.20	805.07
EN-459A	7/24/2018	847.27	43.13	804.14
EN-459A	8/28/2018	847.27	39.57	807.70
EN-459B	2/14/2018	846.25	37.62	808.63
EN-459B	3/22/2018	846.25	38.12	808.13

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-459B	4/24/2018	846.25	37.12	809.13
EN-459B	5/23/2018	846.25	38.63	807.62
EN-459B	6/26/2018	846.25	41.43	804.82
EN-459B	7/24/2018	846.25	42.31	803.94
EN-459B	8/28/2018	846.25	38.80	807.45
EN-460A	2/14/2018	847.75	38.56	809.19
EN-460A	3/22/2018	847.75	38.38	809.37
EN-460A	4/24/2018	847.75	37.89	809.86
EN-460A	5/23/2018	847.75	39.55	808.20
EN-460A	6/26/2018	847.75	42.02	805.73
EN-460A	7/24/2018	847.75	43.06	804.69
EN-460A	8/28/2018	847.75	39.20	808.55
EN-460B	2/14/2018	846.89	38.43	808.46
EN-460B	3/22/2018	846.89	38.29	808.60
EN-460B	4/24/2018	846.89	37.81	809.08
EN-460B	5/23/2018	846.89	39.44	807.45
EN-460B	6/26/2018	846.89	41.88	805.01
EN-460B	7/24/2018	846.89	42.96	803.93
EN-460B	8/28/2018	846.89	39.09	807.80
EN-460C	2/14/2018	847.45	38.30	809.15
EN-460C	3/22/2018	847.45	38.19	809.26
EN-460C	4/24/2018	847.45	37.61	809.84
EN-460C	5/23/2018	847.45	39.26	808.19
EN-460C	6/26/2018	847.45	41.70	805.75
EN-460C	7/24/2018	847.45	42.83	804.62
EN-460C	8/28/2018	847.45	38.95	808.50
EN-461	2/14/2018	850.60	33.79	816.81
EN-461	3/22/2018	850.60	33.63	816.97
EN-461	4/24/2018	850.60	33.70	816.90
EN-461	5/23/2018	850.60	33.72	816.88
EN-461	6/26/2018	850.60	33.76	816.84
EN-461	7/24/2018	850.60	33.75	816.85
EN-461	8/28/2018	850.60	33.00	817.60
EN-462	2/14/2018	851.38	40.07	811.31
EN-462	3/22/2018	851.38	40.00	811.38
EN-462	4/24/2018	851.38	40.08	811.30
EN-462	5/23/2018	851.38	40.49	810.89
EN-462	6/26/2018	851.38	40.62	810.76
EN-462	7/24/2018	851.38	40.69	810.69
EN-462	8/28/2018	851.38	40.00	811.38
EN-463	2/14/2018	851.28	37.48	813.80
EN-463	3/22/2018	851.28	37.63	813.65
EN-463	4/24/2018	851.28	37.90	813.38
EN-463	5/23/2018	851.28	38.30	812.98
EN-463	6/26/2018	851.28	38.57	812.71
EN-463	7/24/2018	851.28	38.72	812.56
EN-463	8/28/2018	851.28	37.46	813.82
EN-464	2/14/2018	852.98	36.43	816.55
EN-464	3/22/2018	852.98	35.75	817.23

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-464	4/24/2018	852.98	36.32	816.66
EN-464	5/23/2018	852.98	36.46	816.52
EN-464	6/26/2018	852.98	36.53	816.45
EN-464	7/24/2018	852.98	36.51	816.47
EN-464	8/28/2018	852.98	34.75	818.23
EN-465	2/14/2018	851.15	-1.00	-1.00
EN-465	3/22/2018	851.15	-1.00	-1.00
EN-465	4/24/2018	851.15	-1.00	-1.00
EN-465	5/23/2018	851.15	-1.00	-1.00
EN-465	6/26/2018	851.15	-1.00	-1.00
EN-465	7/24/2018	851.15	-1.00	-1.00
EN-465	8/28/2018	851.15	34.60	816.55
EN-466	2/14/2018	846.99	32.31	814.68
EN-466	3/22/2018	846.99	31.65	815.34
EN-466	4/24/2018	846.99	32.11	814.88
EN-466	5/23/2018	846.99	32.32	814.67
EN-466	6/26/2018	846.99	32.34	814.65
EN-466	7/24/2018	846.99	32.42	814.57
EN-466	8/28/2018	846.99	31.17	815.82
EN-467	2/14/2018	857.12	39.02	818.10
EN-467	3/22/2018	857.12	39.20	817.92
EN-467	4/24/2018	857.12	39.61	817.51
EN-467	5/23/2018	857.12	39.85	817.27
EN-467	6/26/2018	857.12	39.83	817.29
EN-467	7/24/2018	857.12	39.91	817.21
EN-467	8/28/2018	857.12	38.49	818.63
EN-468	2/14/2018	852.36	36.76	815.60
EN-468	3/22/2018	852.36	36.40	815.96
EN-468	4/24/2018	852.36	36.81	815.55
EN-468	5/23/2018	852.36	36.91	815.45
EN-468	6/26/2018	852.36	36.90	815.46
EN-468	7/24/2018	852.36	36.81	815.55
EN-468	8/28/2018	852.36	35.30	817.06
EN-469	2/14/2018	849.75	-1.00	-1.00
EN-469	3/22/2018	849.75	-1.00	-1.00
EN-469	4/24/2018	849.75	-1.00	-1.00
EN-469	5/23/2018	849.75	-1.00	-1.00
EN-469	6/26/2018	849.75	-1.00	-1.00
EN-469	7/24/2018	849.75	-1.00	-1.00
EN-469	8/28/2018	849.75	-1.00	-1.00
EN-470	2/14/2018	846.85	22.19	824.66
EN-470	3/22/2018	846.85	21.82	825.03
EN-470	4/24/2018	846.85	21.74	825.11
EN-470	5/23/2018	846.85	21.70	825.15
EN-470	6/26/2018	846.85	21.72	825.13
EN-470	7/24/2018	846.85	21.77	825.08
EN-470	8/28/2018	846.85	21.41	825.44
EN-471	2/14/2018	853.30	24.27	829.03
EN-471	3/22/2018	853.30	23.74	829.56

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-471	4/24/2018	853.30	23.56	829.74
EN-471	5/23/2018	853.30	23.57	829.73
EN-471	6/26/2018	853.30	23.55	829.75
EN-471	7/24/2018	853.30	23.28	830.02
EN-471	8/28/2018	853.30	22.17	831.13
EN-471	12/31/2018	853.30	22.53	830.77
EN-473A	2/14/2018	843.06	34.02	809.04
EN-473A	3/22/2018	843.06	33.85	809.21
EN-473A	4/24/2018	843.06	33.34	809.72
EN-473A	5/23/2018	843.06	34.96	808.10
EN-473A	6/26/2018	843.06	37.33	805.73
EN-473A	7/24/2018	843.06	38.38	804.68
EN-473A	8/28/2018	843.06	34.56	808.50
EN-473B	2/14/2018	843.14	33.91	809.23
EN-473B	3/22/2018	843.14	33.26	809.88
EN-473B	4/24/2018	843.14	33.43	809.71
EN-473B	5/23/2018	843.14	35.08	808.06
EN-473B	6/26/2018	843.14	37.46	805.68
EN-473B	7/24/2018	843.14	38.49	804.65
EN-473B	8/28/2018	843.14	34.68	808.46
EN-474	2/14/2018	836.33	16.19	820.14
EN-474	3/22/2018	836.33	15.84	820.49
EN-474	4/24/2018	836.33	15.79	820.54
EN-474	5/23/2018	836.33	15.76	820.57
EN-474	6/26/2018	836.33	15.89	820.44
EN-474	7/24/2018	836.33	15.91	820.42
EN-474	8/28/2018	836.33	15.42	820.91
EN-475	2/14/2018	850.49	30.46	820.03
EN-475	3/22/2018	850.49	30.00	820.49
EN-475	4/24/2018	850.49	30.03	820.46
EN-475	5/23/2018	850.49	30.07	820.42
EN-475	6/26/2018	850.49	30.13	820.36
EN-475	7/24/2018	850.49	30.10	820.39
EN-475	8/28/2018	850.49	29.64	820.85
EN-476	2/14/2018	849.81	-1.00	-1.00
EN-476	3/22/2018	849.81	-1.00	-1.00
EN-476	4/24/2018	849.81	-1.00	-1.00
EN-476	5/23/2018	849.81	26.10	823.71
EN-476	6/26/2018	849.81	-1.00	-1.00
EN-476	7/24/2018	849.81	26.03	823.78
EN-476	8/28/2018	849.81	-1.00	-1.00
EN-477	4/24/2018	848.33	37.60	810.73
EN-477	5/23/2018	848.33	37.83	810.50
EN-477	7/24/2018	848.33	37.64	810.69
EN-477	8/28/2018	848.33	36.55	811.78
EN-478A	2/14/2018	844.08	28.25	815.83
EN-478A	3/22/2018	844.08	-1.00	-1.00
EN-478A	4/24/2018	844.08	-1.00	-1.00
EN-478A	5/23/2018	844.08	-1.00	-1.00

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-478A	6/26/2018	844.08	-1.00	-1.00
EN-478A	7/24/2018	844.08	-1.00	-1.00
EN-478A	8/28/2018	844.08	28.23	815.85
EN-478B	2/14/2018	844.14	28.14	816.00
EN-478B	3/22/2018	844.14	29.40	814.74
EN-478B	4/24/2018	844.14	29.95	814.19
EN-478B	5/23/2018	844.14	30.20	813.94
EN-478B	6/26/2018	844.14	30.14	814.00
EN-478B	7/24/2018	844.14	29.18	814.96
EN-478B	8/28/2018	844.14	28.09	816.05
EN-479A	2/14/2018	845.41	-1.00	-1.00
EN-479A	3/22/2018	845.41	-1.00	-1.00
EN-479A	4/24/2018	845.41	-1.00	-1.00
EN-479A	5/23/2018	845.41	-1.00	-1.00
EN-479A	6/26/2018	845.41	Dry	Dry
EN-479A	7/24/2018	845.41	-1.00	-1.00
EN-479A	8/28/2018	845.41	-1.00	-1.00
EN-479B	2/14/2018	845.20	29.59	815.61
EN-479B	3/22/2018	845.20	30.90	814.30
EN-479B	4/24/2018	845.20	31.76	813.44
EN-479B	5/23/2018	845.20	32.05	813.15
EN-479B	6/26/2018	845.20	32.05	813.15
EN-479B	7/24/2018	845.20	30.70	814.50
EN-479B	8/28/2018	845.20	29.50	815.70
EN-480A	2/14/2018	843.02	27.17	815.85
EN-480A	3/22/2018	843.02	28.35	814.67
EN-480A	4/24/2018	843.02	28.88	814.14
EN-480A	5/23/2018	843.02	29.06	813.96
EN-480A	6/26/2018	843.02	29.04	813.98
EN-480A	7/24/2018	843.02	28.22	814.80
EN-480A	8/28/2018	843.02	27.15	815.87
EN-481A	2/14/2018	843.35	27.56	815.79
EN-481A	3/22/2018	843.35	28.80	814.55
EN-481A	4/24/2018	843.35	-1.00	-1.00
EN-481A	5/23/2018	843.35	29.98	813.37
EN-481A	6/26/2018	843.35	-1.00	-1.00
EN-481A	7/24/2018	843.35	28.63	814.72
EN-481A	8/28/2018	843.35	27.52	815.83
EN-481B	2/14/2018	842.99	27.74	815.25
EN-481B	3/22/2018	842.99	28.82	814.17
EN-481B	4/24/2018	842.99	29.37	813.62
EN-481B	5/23/2018	842.99	29.66	813.33
EN-481B	6/26/2018	842.99	29.55	813.44
EN-481B	7/24/2018	842.99	28.67	814.32
EN-481B	8/28/2018	842.99	27.62	815.37
EN-482	2/14/2018	847.44	35.17	812.27
EN-482	3/22/2018	847.44	36.16	811.28
EN-482	4/24/2018	847.44	36.25	811.19
EN-482	5/23/2018	847.44	36.51	810.93

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-482	6/26/2018	847.44	36.62	810.82
EN-482	7/24/2018	847.44	36.33	811.11
EN-482	8/28/2018	847.44	34.89	812.55
EN-483	5/23/2018	839.08	10.75	828.33
EN-483	8/28/2018	839.08	9.07	830.01
EN-484	2/14/2018	838.21	10.76	827.45
EN-484	3/22/2018	838.21	9.64	828.57
EN-484	4/24/2018	838.21	9.55	828.66
EN-484	5/23/2018	838.21	9.27	828.94
EN-484	6/26/2018	838.21	5.57	832.64
EN-484	7/24/2018	838.21	6.87	831.34
EN-484	8/14/2018	838.21	3.26	834.95
EN-484	8/28/2018	838.21	7.10	831.11
EN-485	2/14/2018	840.48	13.22	827.26
EN-485	3/22/2018	840.48	12.46	828.02
EN-485	4/24/2018	840.48	11.83	828.65
EN-485	5/23/2018	840.48	11.74	828.74
EN-485	6/26/2018	840.48	12.10	828.38
EN-485	7/24/2018	840.48	11.73	828.75
EN-485	8/28/2018	840.48	10.15	830.33
EN-485	12/31/2018	840.48	10.80	829.68
EN-486	2/14/2018	842.63	17.33	825.30
EN-486	3/22/2018	842.63	16.29	826.34
EN-486	4/24/2018	842.63	16.12	826.51
EN-486	5/23/2018	842.63	15.74	826.89
EN-486	6/26/2018	842.63	16.50	826.13
EN-486	7/24/2018	842.63	16.00	826.63
EN-486	8/28/2018	842.63	15.37	827.26
EN-486	12/31/2018	842.63	15.35	827.28
EN-487	1/3/2018	834.18	8.70	825.48
EN-487	5/23/2018	834.18	6.86	827.32
EN-487	8/28/2018	834.18	6.43	827.75
EN-488	2/14/2018	850.87	-1.00	-1.00
EN-488	3/22/2018	850.87	24.22	826.65
EN-488	4/24/2018	850.87	24.22	826.65
EN-488	5/23/2018	850.87	24.13	826.74
EN-488	6/26/2018	850.87	24.20	826.67
EN-488	7/24/2018	850.87	24.36	826.51
EN-488	8/28/2018	850.87	24.21	826.66
EN-489	2/14/2018	847.45	19.03	828.42
EN-489	3/22/2018	847.45	17.93	829.52
EN-489	4/24/2018	847.45	17.72	829.73
EN-489	5/23/2018	847.45	17.73	829.72
EN-489	6/26/2018	847.45	18.05	829.40
EN-489	7/24/2018	847.45	17.80	829.65
EN-489	8/28/2018	847.45	16.89	830.56
EN-490	2/14/2018	845.02	-1.00	-1.00
EN-490	3/22/2018	845.02	27.93	817.09
EN-490	4/24/2018	845.02	-1.00	-1.00

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-490	5/23/2018	845.02	-1.00	-1.00
EN-490	6/26/2018	845.02	-1.00	-1.00
EN-490	7/24/2018	845.02	-1.00	-1.00
EN-490	8/28/2018	845.02	27.32	817.70
EN-491	2/14/2018	845.03	27.53	817.50
EN-491	3/22/2018	845.03	19.98	825.05
EN-491	4/24/2018	845.03	28.88	816.15
EN-491	5/23/2018	845.03	28.51	816.52
EN-491	6/26/2018	845.03	27.50	817.53
EN-491	7/24/2018	845.03	28.03	817.00
EN-491	8/28/2018	845.03	27.22	817.81
EN-491A	2/14/2018	844.31	25.74	818.57
EN-491A	3/22/2018	844.31	25.61	818.70
EN-491A	4/24/2018	844.31	26.05	818.26
EN-491A	5/23/2018	844.31	26.02	818.29
EN-491A	6/26/2018	844.31	23.77	820.54
EN-491A	7/24/2018	844.31	25.75	818.56
EN-491A	8/28/2018	844.31	25.02	819.29
EN-491T	2/14/2018	847.45	31.51	815.94
EN-491T	3/22/2018	847.45	31.40	816.05
EN-491T	4/24/2018	847.45	30.45	817.00
EN-491T	5/23/2018	847.45	29.15	818.30
EN-491T	6/26/2018	847.45	30.35	817.10
EN-491T	7/24/2018	847.45	30.52	816.93
EN-491T	8/28/2018	847.45	30.46	816.99
EN-492T	3/22/2018	846.64	27.24	819.40
EN-492T	4/24/2018	846.64	27.27	819.37
EN-492T	5/23/2018	846.64	27.25	819.39
EN-492T	6/26/2018	846.64	27.14	819.50
EN-492T	7/24/2018	846.64	27.16	819.48
EN-492T	8/28/2018	846.64	26.35	820.29
EN-493	2/14/2018	848.33	30.25	818.08
EN-493	3/22/2018	848.33	30.44	817.89
EN-493	4/24/2018	848.33	30.49	817.84
EN-493	5/23/2018	848.33	30.66	817.67
EN-493	6/26/2018	848.33	29.46	818.87
EN-493	7/24/2018	848.33	29.10	819.23
EN-493	8/28/2018	848.33	28.06	820.27
EN-494	2/14/2018	848.48	30.45	818.03
EN-494	3/22/2018	848.48	30.64	817.84
EN-494	4/24/2018	848.48	30.72	817.76
EN-494	5/23/2018	848.48	30.85	817.63
EN-494	6/26/2018	848.48	29.65	818.83
EN-494	7/24/2018	848.48	29.31	819.17
EN-494	8/28/2018	848.48	28.27	820.21
EN-495	2/14/2018	848.13	30.09	818.04
EN-495	3/22/2018	848.13	30.27	817.86
EN-495	4/24/2018	848.13	30.33	817.80
EN-495	5/23/2018	848.13	30.56	817.57

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-495	6/26/2018	848.13	29.35	818.78
EN-495	7/24/2018	848.13	29.02	819.11
EN-495	8/28/2018	848.13	27.96	820.17
EN-496	2/14/2018	848.29	30.35	817.94
EN-496	3/22/2018	848.29	30.53	817.76
EN-496	4/24/2018	848.29	-1.00	-1.00
EN-496	5/23/2018	848.29	30.45	817.84
EN-496	6/26/2018	848.29	-1.00	-1.00
EN-496	7/24/2018	848.29	29.28	819.01
EN-496	8/28/2018	848.29	28.23	820.06
EN-497	2/14/2018	848.28	30.37	817.91
EN-497	3/22/2018	848.28	30.58	817.70
EN-497	4/24/2018	848.28	30.71	817.57
EN-497	5/23/2018	848.28	30.90	817.38
EN-497	6/26/2018	848.28	29.82	818.46
EN-497	7/24/2018	848.28	29.45	818.83
EN-497	8/28/2018	848.28	28.36	819.92
EN-498	2/14/2018	846.73	29.11	817.62
EN-498	3/22/2018	846.73	29.40	817.33
EN-498	4/24/2018	846.73	29.53	817.20
EN-498	5/23/2018	846.73	30.21	816.52
EN-498	6/26/2018	846.73	28.76	817.97
EN-498	7/24/2018	846.73	28.38	818.35
EN-498	8/28/2018	846.73	27.32	819.41
EN-499A	2/14/2018	846.40	31.14	815.26
EN-499A	3/22/2018	846.40	-1.00	-1.00
EN-499A	4/24/2018	846.40	-1.00	-1.00
EN-499A	5/23/2018	846.40	-1.00	-1.00
EN-499A	6/26/2018	846.40	-1.00	-1.00
EN-499A	7/24/2018	846.40	-1.00	-1.00
EN-499A	8/28/2018	846.40	31.11	815.29
EN-499B	2/14/2018	846.28	31.22	815.06
EN-499B	3/22/2018	846.28	32.65	813.63
EN-499B	4/24/2018	846.28	33.36	812.92
EN-499B	5/23/2018	846.28	33.62	812.66
EN-499B	6/26/2018	846.28	33.66	812.62
EN-499B	7/24/2018	846.28	32.30	813.98
EN-499B	8/28/2018	846.28	31.12	815.16
EN-500A	2/14/2018	844.47	-1.00	-1.00
EN-500A	3/22/2018	844.47	-1.00	-1.00
EN-500A	4/24/2018	844.47	-1.00	-1.00
EN-500A	5/23/2018	844.47	-1.00	-1.00
EN-500A	6/26/2018	844.47	-1.00	-1.00
EN-500A	7/24/2018	844.47	-1.00	-1.00
EN-500A	8/28/2018	844.47	29.19	815.28
EN-500B	2/14/2018	844.55	29.18	815.37
EN-500B	3/22/2018	844.55	30.72	813.83
EN-500B	4/24/2018	844.55	31.47	813.08
EN-500B	5/23/2018	844.55	30.20	814.35

Endicott, New York
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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-500B	6/26/2018	844.55	31.74	812.81
EN-500B	7/24/2018	844.55	30.67	813.88
EN-500B	8/28/2018	844.55	29.43	815.12
EN-501	2/14/2018	842.49	27.01	815.48
EN-501	3/22/2018	842.49	28.46	814.03
EN-501	4/24/2018	842.49	29.22	813.27
EN-501	5/23/2018	842.49	29.45	813.04
EN-501	6/26/2018	842.49	29.53	812.96
EN-501	7/24/2018	842.49	28.63	813.86
EN-501	8/28/2018	842.49	27.39	815.10
EN-502	2/14/2018	847.14	29.16	817.98
EN-502	3/22/2018	847.14	29.24	817.90
EN-502	4/24/2018	847.14	29.32	817.82
EN-502	5/23/2018	847.14	29.52	817.62
EN-502	6/26/2018	847.14	28.08	819.06
EN-502	7/24/2018	847.14	27.70	819.44
EN-502	8/28/2018	847.14	26.54	820.60
EN-503	2/14/2018	844.94	27.07	817.87
EN-503	3/22/2018	844.94	27.25	817.69
EN-503	4/24/2018	844.94	27.40	817.54
EN-503	5/23/2018	844.94	28.53	816.41
EN-503	6/26/2018	844.94	26.30	818.64
EN-503	7/24/2018	844.94	25.93	819.01
EN-503	8/28/2018	844.94	24.81	820.13
EN-505	2/14/2018	843.84	24.59	819.25
EN-505	3/22/2018	843.84	24.49	819.35
EN-505	4/24/2018	843.84	24.60	819.24
EN-505	5/23/2018	843.84	24.64	819.20
EN-505	6/26/2018	843.84	24.47	819.37
EN-505	7/24/2018	843.84	24.46	819.38
EN-505	8/28/2018	843.84	23.76	820.08
EN-506	2/14/2018	844.21	25.90	818.31
EN-506	3/22/2018	844.21	25.85	818.36
EN-506	4/24/2018	844.21	26.35	817.86
EN-506	5/23/2018	844.21	26.29	817.92
EN-506	6/26/2018	844.21	25.94	818.27
EN-506	7/24/2018	844.21	25.99	818.22
EN-506	8/28/2018	844.21	25.22	818.99
EN-507	2/14/2018	840.75	13.45	827.30
EN-507	3/22/2018	840.75	12.93	827.82
EN-507	4/24/2018	840.75	12.05	828.70
EN-507	5/23/2018	840.75	11.98	828.77
EN-507	6/26/2018	840.75	12.26	828.49
EN-507	7/24/2018	840.75	12.42	828.33
EN-507	8/28/2018	840.75	10.17	830.58
EN-508	2/14/2018	847.68	18.05	829.63
EN-508	3/22/2018	847.68	17.42	830.26
EN-508	4/24/2018	847.68	17.33	830.35
EN-508	5/23/2018	847.68	17.56	830.12

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-508	6/26/2018	847.68	17.62	830.06
EN-508	7/24/2018	847.68	17.15	830.53
EN-508	8/28/2018	847.68	16.10	831.58
EN-508	12/31/2018	847.68	17.08	830.60
EN-509	2/14/2018	845.70	16.43	829.27
EN-509	3/22/2018	845.70	15.93	829.77
EN-509	4/24/2018	845.70	15.73	829.97
EN-509	5/23/2018	845.70	15.65	830.05
EN-509	6/26/2018	845.70	16.02	829.68
EN-509	7/24/2018	845.70	15.42	830.28
EN-509	8/28/2018	845.70	14.16	831.54
EN-509	12/31/2018	845.70	15.42	830.28
EN-510	2/14/2018	839.83	21.48	818.35
EN-510	3/22/2018	839.83	21.73	818.10
EN-510	4/24/2018	839.83	21.95	817.88
EN-510	5/23/2018	839.83	25.20	814.63
EN-510	6/26/2018	839.83	21.42	818.41
EN-510	7/24/2018	839.83	21.07	818.76
EN-510	8/28/2018	839.83	19.83	820.00
EN-511	2/14/2018	839.89	21.24	818.65
EN-511	3/22/2018	839.89	21.65	818.24
EN-511	4/24/2018	839.89	21.81	818.08
EN-511	5/23/2018	839.89	22.00	817.89
EN-511	6/26/2018	839.89	21.41	818.48
EN-511	7/24/2018	839.89	21.05	818.84
EN-511	8/28/2018	839.89	19.92	819.97
EN-513	2/14/2018	849.57	22.74	826.83
EN-513	3/22/2018	849.57	22.21	827.36
EN-513	4/24/2018	849.57	22.11	827.46
EN-513	5/23/2018	849.57	22.17	827.40
EN-513	6/26/2018	849.57	22.18	827.39
EN-513	7/24/2018	849.57	22.09	827.48
EN-513	8/28/2018	849.57	21.53	828.04
EN-514	2/14/2018	847.43	20.88	826.55
EN-514	3/22/2018	847.43	20.46	826.97
EN-514	4/24/2018	847.43	20.42	827.01
EN-514	5/23/2018	847.43	20.46	826.97
EN-514	6/26/2018	847.43	20.47	826.96
EN-514	7/24/2018	847.43	20.49	826.94
EN-514	8/28/2018	847.43	20.16	827.27
EN-515	2/14/2018	849.48	22.92	826.56
EN-515	3/22/2018	849.48	22.41	827.07
EN-515	4/24/2018	849.48	22.33	827.15
EN-515	5/23/2018	849.48	22.36	827.12
EN-515	6/26/2018	849.48	22.34	827.14
EN-515	7/24/2018	849.48	22.28	827.20
EN-515	8/28/2018	849.48	21.76	827.72
EN-516	2/14/2018	849.70	22.77	826.93
EN-516	3/22/2018	849.70	23.15	826.55

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-516	4/24/2018	849.70	23.02	826.68
EN-516	5/23/2018	849.70	23.15	826.55
EN-516	6/26/2018	849.70	23.07	826.63
EN-516	7/24/2018	849.70	22.96	826.74
EN-516	8/28/2018	849.70	22.30	827.40
EN-520	2/14/2018	849.58	20.71	828.87
EN-520	3/22/2018	849.58	19.88	829.70
EN-520	4/24/2018	849.58	19.68	829.90
EN-520	5/23/2018	849.58	19.74	829.84
EN-520	6/26/2018	849.58	20.00	829.58
EN-520	7/24/2018	849.58	19.88	829.70
EN-520	8/28/2018	849.58	19.14	830.44
EN-521	2/14/2018	848.14	17.70	830.44
EN-521	3/22/2018	848.14	16.84	831.30
EN-521	4/24/2018	848.14	16.95	831.19
EN-521	5/23/2018	848.14	17.45	830.69
EN-521	6/26/2018	848.14	18.22	829.92
EN-521	7/24/2018	848.14	16.48	831.66
EN-521	8/28/2018	848.14	16.06	832.08
EN-522	2/14/2018	837.45	9.15	828.30
EN-522	3/22/2018	837.45	8.24	829.21
EN-522	4/24/2018	837.45	8.20	829.25
EN-522	5/23/2018	837.45	7.74	829.71
EN-522	6/26/2018	837.45	7.65	829.80
EN-522	7/24/2018	837.45	5.73	831.72
EN-522	8/14/2018	837.45	2.50	834.95
EN-522	8/23/2018	837.45	4.90	832.55
EN-522	8/28/2018	837.45	6.12	831.33
EN-522	9/5/2018	837.45	0.0	837.45
EN-522	9/14/2018	837.45	6.59	830.86
EN-522	12/31/2018	837.45	8.15	829.30
EN-523	2/14/2018	838.39	14.31	824.08
EN-523	3/22/2018	838.39	14.33	824.06
EN-523	4/24/2018	838.39	14.35	824.04
EN-523	5/23/2018	838.39	14.35	824.04
EN-523	6/26/2018	838.39	14.35	824.04
EN-523	7/24/2018	838.39	14.35	824.04
EN-523	8/28/2018	838.39	14.31	824.08
EN-524	2/14/2018	839.87	18.06	821.81
EN-524	3/22/2018	839.87	17.30	822.57
EN-524	4/24/2018	839.87	17.51	822.36
EN-524	5/23/2018	839.87	17.60	822.27
EN-524	6/26/2018	839.87	17.72	822.15
EN-524	7/24/2018	839.87	17.82	822.05
EN-524	8/28/2018	839.87	17.23	822.64
EN-525	2/14/2018	850.06	-1.00	-1.00
EN-525	3/22/2018	850.06	22.65	827.41
EN-525	4/24/2018	850.06	22.51	827.55
EN-525	5/23/2018	850.06	22.62	827.44

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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-525	6/26/2018	850.06	-1.00	-1.00
EN-525	7/24/2018	850.06	22.87	827.19
EN-525	8/28/2018	850.06	21.49	828.57
EN-525	12/31/2018	850.06	22.65	827.41
EN-526	2/14/2018	850.57	44.97	805.60
EN-526	3/22/2018	850.57	45.06	805.51
EN-526	4/24/2018	850.57	45.08	805.49
EN-526	5/23/2018	850.57	45.20	805.37
EN-526	6/26/2018	850.57	45.28	805.29
EN-526	7/24/2018	850.57	45.22	805.35
EN-526	8/28/2018	850.57	44.37	806.20
EN-527	2/14/2018	848.76	19.71	829.55
EN-527	3/22/2018	848.76	18.00	830.76
EN-527	4/24/2018	848.76	17.75	831.03
EN-527	5/23/2018	848.76	17.76	831.00
EN-527	6/26/2018	848.76	17.88	830.88
EN-527	7/24/2018	848.76	17.81	830.95
EN-527	8/28/2018	848.76	16.51	832.25
EN-528	2/14/2018	848.95	19.73	829.22
EN-528	3/22/2018	848.95	18.25	830.70
EN-528	4/24/2018	848.95	18.44	830.51
EN-528	5/23/2018	848.95	18.51	830.44
EN-528	6/26/2018	848.95	18.51	830.44
EN-528	7/24/2018	848.95	18.51	830.44
EN-528	8/28/2018	848.95	17.26	831.69
EN-529	2/14/2018	847.10	29.49	817.61
EN-529	3/22/2018	847.10	30.15	816.95
EN-529	4/24/2018	847.10	30.34	816.76
EN-529	5/23/2018	847.10	30.60	816.50
EN-529	6/26/2018	847.10	30.40	816.70
EN-529	7/24/2018	847.10	29.89	817.21
EN-529	8/28/2018	847.10	29.06	818.04
EN-531	2/14/2018	849.22	25.60	823.62
EN-531	3/22/2018	849.22	25.60	823.62
EN-531	4/24/2018	849.22	25.62	823.60
EN-531	5/23/2018	849.22	25.70	823.52
EN-531	6/26/2018	849.22	25.63	823.59
EN-531	7/24/2018	849.22	25.64	823.58
EN-531	8/28/2018	849.22	-1.00	-1.00
EN-532	2/14/2018	844.84	26.98	817.86
EN-532	3/22/2018	844.84	27.44	817.40
EN-532	4/24/2018	844.84	27.60	817.24
EN-532	5/23/2018	844.84	27.80	817.04
EN-532	6/26/2018	844.84	27.20	817.64
EN-532	7/24/2018	844.84	26.84	818.00
EN-532	8/28/2018	844.84	25.82	819.02
EN-533	5/23/2018	836.11	8.51	827.60
EN-533	8/28/2018	836.11	6.70	829.41
EN-534	2/14/2018	844.63	26.97	817.66
EN-534	3/22/2018	844.63	27.45	817.18

Endicott, New York
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Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-534	4/24/2018	844.63	27.62	817.01
EN-534	5/23/2018	844.63	27.95	816.68
EN-534	6/26/2018	844.63	27.28	817.35
EN-534	7/24/2018	844.63	26.90	817.73
EN-534	8/28/2018	844.63	26.00	818.63
EN-600	5/23/2018	843.47	6.19	837.28
EN-600	8/28/2018	843.47	6.33	837.14
EN-604	5/23/2018	841.75	3.13	838.62
EN-604	8/28/2018	841.75	4.24	837.51
EN-606	5/23/2018	842.02	5.57	836.45
EN-606	8/28/2018	842.02	6.53	835.49
EN-608	5/23/2018	843.11	7.03	836.08
EN-608	8/28/2018	843.11	8.00	835.11
EN-616	5/23/2018	843.98	8.84	835.14
EN-616	8/28/2018	843.98	9.63	834.35
EN-617	5/23/2018	844.09	5.57	838.52
EN-617	8/28/2018	844.09	6.27	837.82
EN-618	5/23/2018	842.72	5.45	837.27
EN-618	8/28/2018	842.72	5.85	836.87
EN-623	5/23/2018	847.97	9.66	838.31
EN-623	8/28/2018	847.97	10.50	837.47
EN-624	5/23/2018	849.01	10.53	838.48
EN-624	8/28/2018	849.01	11.40	837.61
EN-626	5/23/2018	842.76	3.62	839.14
EN-626	8/28/2018	842.76	4.11	838.65
EN-632	5/23/2018	842.67	6.84	835.83
EN-632	8/28/2018	842.67	7.84	834.83
EN-638	5/23/2018	841.56	9.31	832.25
EN-638	8/28/2018	841.56	7.32	834.24
EN-640	5/23/2018	842.48	4.45	838.03
EN-640	8/28/2018	842.48	4.88	837.60
EN-641	5/23/2018	840.68	4.50	836.18
EN-641	8/28/2018	840.68	5.05	835.63
EN-642	5/23/2018	844.00	5.07	838.93
EN-642	8/28/2018	844.00	5.30	838.70
EN-644	5/23/2018	846.19	7.00	839.19
EN-644	8/28/2018	846.19	7.29	838.90
EN-648	5/23/2018	845.89	4.97	840.92
EN-648	8/28/2018	845.89	5.48	840.41
EN-650	5/23/2018	845.21	1.61	843.60
EN-650	8/28/2018	845.21	1.60	843.61
EN-651	5/23/2018	845.27	10.37	834.90
EN-651	8/28/2018	845.27	11.25	834.02
EN-652	5/23/2018	843.62	8.93	834.69
EN-652	8/28/2018	843.62	9.50	834.12
EN-653	5/23/2018	844.54	9.71	834.83
EN-653	8/28/2018	844.54	10.65	833.89
EN-655	5/23/2018	839.28	4.10	835.18
EN-655	8/28/2018	839.28	4.90	834.38
EN-679	5/23/2018	851.71	17.60	834.11

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-679	8/28/2018	851.71	16.22	835.49
EN-684A	5/23/2018	849.45	17.00	832.45
EN-684A	8/28/2018	849.45	15.78	833.67
EN-687	5/23/2018	847.83	16.23	831.60
EN-687	8/28/2018	847.83	15.01	832.82
EN-692	5/23/2018	841.76	5.28	836.48
EN-692	8/28/2018	841.76	4.48	837.28
EN-694	5/23/2018	838.17	3.23	834.94
EN-694	8/28/2018	838.17	4.09	834.08
EN-696	5/23/2018	845.50	10.41	835.09
EN-696	8/28/2018	845.50	11.23	834.27
EN-698	5/23/2018	849.01	13.90	835.11
EN-698	8/28/2018	849.01	14.65	834.36
EN-700	5/23/2018	846.95	12.04	834.91
EN-700	8/28/2018	846.95	12.69	834.26
EN-701	5/23/2018	847.23	12.09	835.14
EN-701	8/28/2018	847.23	12.88	834.35
EN-702	5/23/2018	841.14	5.90	835.24
EN-702	8/28/2018	841.14	5.97	835.17
EN-704	5/23/2018	840.54	6.88	833.66
EN-704	8/28/2018	840.54	7.00	833.54
EN-705	5/23/2018	840.57	6.31	834.26
EN-705	8/28/2018	840.57	6.60	833.97
EN-709	5/23/2018	841.56	22.13	819.43
EN-709	8/28/2018	841.56	18.89	822.67
EN-710	5/23/2018	845.06	5.63	839.43
EN-710	8/28/2018	845.06	6.42	838.64
EN-711	5/23/2018	843.13	8.45	834.68
EN-711	8/28/2018	843.13	9.32	833.81
EN-712	5/23/2018	843.17	8.54	834.63
EN-712	8/28/2018	843.17	9.40	833.77
EN-713	5/23/2018	843.21	3.85	839.36
EN-713	8/28/2018	843.21	7.38	835.83
EN-714	5/23/2018	846.64	14.72	831.92
EN-714	8/28/2018	846.64	13.76	832.88
EN-715	5/23/2018	847.20	16.59	830.61
EN-715	8/28/2018	847.20	15.67	831.53
EN-716	5/23/2018	843.72	11.46	832.26
EN-716	8/28/2018	843.72	10.99	832.73
EN-717	5/23/2018	847.36	16.31	831.05
EN-717	8/28/2018	847.36	15.17	832.19
EN-718	5/23/2018	843.28	11.37	831.91
EN-718	8/28/2018	843.28	10.88	832.40
EN-719	5/23/2018	844.65	12.41	832.24
EN-719	8/28/2018	844.65	11.51	833.14
EN-720	5/23/2018	845.05	13.80	831.25
EN-720	8/28/2018	845.05	12.64	832.41
EN-721	5/23/2018	844.93	7.49	837.44
EN-721	8/28/2018	844.93	8.13	836.80

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-722	5/23/2018	844.86	9.81	835.05
EN-722	8/28/2018	844.86	10.50	834.36
EN-723	5/23/2018	844.70	8.40	836.30
EN-723	8/28/2018	844.70	9.56	835.14
EN-724	5/23/2018	841.79	2.48	839.31
EN-724	8/28/2018	841.79	5.70	836.09
EN-725	5/23/2018	841.73	3.42	838.31
EN-725	8/28/2018	841.73	6.34	835.39
EN-726	5/23/2018	850.34	19.12	831.22
EN-726	8/28/2018	850.34	28.20	822.14
EN-727	5/23/2018	853.26	21.36	831.90
EN-727	8/28/2018	853.26	20.64	832.62
DEC-MW-34D	5/23/2018	843.49	8.54	834.95
DEC-MW-34D	8/28/2018	843.49	9.33	834.16
EN-D01	5/23/2018	841.58	32.23	809.35
EN-D02	5/23/2018	844.84	36.48	808.36
EN-D02	8/28/2018	844.84	37.77	807.07
EN-D03	5/23/2018	843.26	35.35	807.91
EN-D03	8/28/2018	843.26	36.33	806.93
EN-D04	5/23/2018	854.87	47.62	807.25
EN-D04	8/28/2018	854.87	49.38	805.49
EN-D04S	5/23/2018	854.60	47.54	807.06
EN-D04S	8/28/2018	854.60	49.02	805.58
EN-D06	5/23/2018	852.94	50.41	802.53
EN-D06	8/28/2018	852.94	50.19	802.75
EN-D07	5/23/2018	848.03	38.93	809.10
EN-D07	8/28/2018	848.03	38.92	809.11
EN-D10	5/23/2018	849.53	40.66	808.87
EN-D10	8/28/2018	849.53	40.03	809.50
EN-D11	5/23/2018	850.24	42.68	807.56
EN-D11	8/28/2018	850.24	42.49	807.75
EN-D12	5/23/2018	854.05	44.21	809.84
EN-D13	5/23/2018	845.31	20.64	824.67
EN-D13	8/28/2018	845.31	19.47	825.84
EN-D14	5/23/2018	846.22	21.62	824.60
EN-D14	8/28/2018	846.22	20.42	825.80
EN-D30	5/23/2018	848.01	36.22	811.79
EN-D30	8/28/2018	848.01	35.94	812.07
EN-D31	5/23/2018	846.15	37.32	808.83
EN-D31	8/28/2018	846.15	37.87	808.28
EN-D33	5/23/2018	851.06	36.44	814.62
EN-D33	8/28/2018	851.06	35.51	815.55
EN-D34	5/23/2018	850.81	37.79	813.02
EN-D34	8/28/2018	850.81	36.93	813.88
EN-D35	5/23/2018	848.23	36.29	811.94
EN-D35	8/28/2018	848.23	35.82	812.41
EN-D36	5/23/2018	845.50	35.53	809.97
EN-D36	8/28/2018	845.50	35.62	809.88
EN-D37	5/23/2018	849.67	50.52	799.15

Endicott, New York
Groundwater Elevation Data - 1/1/2018 to 12/31/2018
Note: "-1.00" means the Upper Aquifer is dry or unsaturated.

Well	Date of Measurement	M.P. Elev. (ft amsl)	Depth to Water (ft)	Groundwater Elevation
EN-D37	8/28/2018	849.67	50.08	799.59
EN-D38	5/23/2018	851.62	39.60	812.02
EN-D39	5/23/2018	850.25	37.05	813.20
EN-D39	8/28/2018	850.25	36.13	814.12
EN-D40	5/23/2018	849.83	43.30	806.53
EN-D40	8/28/2018	849.83	42.69	807.14
EN-D41	5/23/2018	846.50	38.48	808.02
EN-D41	8/28/2018	846.50	38.25	808.25
EN-D42	5/23/2018	843.81	31.52	812.29
EN-D42	8/28/2018	843.81	30.71	813.10
EN-D43	5/23/2018	849.70	34.10	815.60
EN-D43	8/28/2018	849.70	33.09	816.61
EN-D44	5/23/2018	852.77	39.63	813.14
EN-D44	8/28/2018	852.77	38.83	813.94
EN-D45	5/23/2018	850.75	37.65	813.10
EN-D45	8/28/2018	850.75	36.89	813.86
EN-D46	5/23/2018	850.08	34.40	815.68
EN-D46	8/28/2018	850.08	33.42	816.66
EN-D47	5/23/2018	853.42	37.72	815.70
EN-D47	8/28/2018	853.42	36.69	816.73
EN-D48	5/23/2018	845.75	29.82	815.93
EN-D48	8/28/2018	845.75	28.80	816.95
EN-D49	5/23/2018	852.73	57.16	795.57
EN-D49	8/28/2018	852.73	56.98	795.75

Notes:

bold = active groundwater extraction well
NA = Not Applicable
M.P. Elev. = Measuring Point Elevation
ft amsl = feet above mean sea level

APPENDIX D

Groundwater Monitoring Plan for 2018

Table D-1: Hydraulic Effectiveness Monitoring Wells

Table D-2: Remedial Action Effectiveness Wells

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

			Planar Coordinates	
Well	Site Area	M.P. Elev. (ft amsl)	Northing (grid feet)	Easting (grid feet)
DOT-1	OU2	849.14	767787.6	967316.7
DOT-2	OU2	848.57	767738.5	967120.7
DOT-3	OU2	848.73	767724.8	967045.4
DOT-4	OU2	848.61	767712.7	966981.0
DI-1	OU2	849.06	767601.9	966083.1
DI-2	OU2	848.32	767721.3	966062.2
DI-3	OU2	846.48	767835.9	966043.0
EN-002	OU1	842.54	767896.0	965175.6
EN-006	MAA	852.34	766868.9	966244.7
EN-012	OU2	851.86	767813.4	965734.6
EN-013	OU2	851.93	767740.6	965756.2
EN-014	OU2	852.00	767673.4	965777.3
EN-015	OU2	851.81	767579.0	965797.0
EN-016	OU2	852.22	767501.0	965816.7
EN-017	OU2	852.15	767469.7	965884.6
EN-018	OU2	851.45	767492.1	965981.4
EN-019	OU2	852.34	767516.3	966085.1
EN-020	OU2	851.30	767652.7	966078.8
EN-021	OU2	847.84	767842.4	966114.7
EN-022	MAA	844.48	765902.8	966142.3
EN-023	OU4	850.37	767459.8	967000.6
EN-024	OU2	852.01	767346.3	965453.2
EN-026	OU7	840.96	767734.7	964681.3
EN-029A	MAA	850.38	766861.7	965833.8
EN-030	OU5	853.18	768031.9	968437.2
EN-034	OU1	841.49	768325.1	966085.7
EN-035	OU2	854.22	767575.0	966442.4
EN-036	OU2	852.97	767620.9	966557.1
EN-037	OU1	839.97	768169.1	966448.9
EN-038	OU1	838.40	768087.2	966059.8
EN-039	OU1	838.26	768085.7	966049.8
EN-040	OU1	837.81	768084.7	966039.5
EN-041	OU1	837.58	768083.4	966029.3
EN-042	OU1	837.45	768081.6	966019.9
EN-044	OU1	837.11	768080.5	966005.2
EN-045	OU1	836.94	768078.6	965990.3
EN-046	OU1	837.60	768130.7	966069.2
EN-047	OU1	837.48	768145.7	966068.7
EN-048	OU1	837.54	768160.1	966068.1
EN-049	OU1	837.49	768174.8	966067.4
EN-051	OU1	839.65	768039.7	965777.3
EN-052	OU1	839.44	768057.4	965883.3
EN-053	OU1	837.86	768246.0	966073.2
EN-054	OU2	851.49	767827.5	965260.7
EN-055	OU1	841.46	768198.4	966526.2
EN-056	OU1	844.07	768239.5	966737.8
EN-058	OU1	845.75	768221.9	966598.0

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-060	MAA	842.06	766403.6	964492.0
EN-062	MAA	840.96	766060.1	965231.9
EN-064	MAA	842.53	765919.6	965691.4
EN-065	OU4	854.92	767262.1	967664.4
EN-066	OU7	839.70	767313.8	963976.9
EN-067	OU7	837.85	767506.0	963916.1
EN-069	OU7	839.14	767791.7	964213.4
EN-070	OU7	841.66	767582.2	964403.0
EN-072	OU7	838.45	768035.7	964873.6
EN-073	OU1	839.74	768219.9	965240.8
EN-074	OU2	851.59	767763.7	965085.5
EN-075	OU2	851.20	767593.3	965314.9
EN-076	OU2	853.06	767266.2	965054.1
EN-077	OU2	854.25	767323.7	966172.9
EN-078	MAA	852.16	767192.6	966537.8
EN-079	OU4	848.15	766602.6	967052.4
EN-080	OU4	848.14	767021.8	967019.9
EN-081	OU2	850.03	767678.2	966842.0
EN-083	OU1	845.78	768419.0	967226.7
EN-084	OU1	851.75	768961.7	967039.1
EN-086	OU5	844.31	768273.7	967894.7
EN-087	OU5	846.42	768057.7	967943.1
EN-091	MAA	847.61	766867.0	965197.4
EN-091A	MAA	848.14	766862.4	965174.5
EN-091T	MAA	850.08	766861.1	965171.8
EN-092	MAA	850.53	766864.2	965627.2
EN-092A	MAA	847.21	766739.1	965638.6
EN-093	MAA	848.68	766606.2	965763.0
EN-094	MAA	848.61	766834.3	964775.9
EN-095	OU7	846.08	766654.7	963794.2
EN-096	OU7	838.65	767199.1	963686.1
EN-097	OU1	840.59	768428.5	965085.0
EN-099	MAA	845.64	766614.6	965767.5
EN-100	MAA	845.77	766632.6	965772.1
EN-102	MAA	846.79	766614.0	965833.5
EN-103	OU7	836.98	766097.3	963524.3
EN-104	OU7	840.27	766472.9	963371.6
EN-105	OU7	834.60	767254.2	963408.9
EN-106	OU1	853.89	768520.0	966315.1
EN-107R	OU1	839.23	767998.6	965560.5
EN-111	OU2	842.95	767907.0	966076.1
EN-112	OU2	843.18	767909.3	966096.5
EN-113	OU2	843.44	767875.9	966086.8
EN-114	OU1	836.40	768150.5	965514.1
EN-114T	OU1	838.87	768162.6	965512.6
EN-117	OU1	842.78	767955.8	965334.0
EN-121	OU7	837.09	768063.0	964325.4

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-122	OU7	836.39	768044.4	964079.1
EN-123	OU7	835.41	767897.3	963919.8
EN-125	MAA	845.47	766639.4	964791.8
EN-126	MAA	843.71	766505.6	964800.4
EN-127	OU4	844.86	767630.8	967042.1
EN-129	OU4	846.48	767796.0	967634.5
EN-130	OU4	850.12	767449.9	967345.6
EN-131	MAA	862.22	766631.8	967686.1
EN-132	MAA	848.49	766896.6	964871.3
EN-133	MAA	846.95	766913.0	964882.7
EN-146	OU7	837.49	768041.2	964497.4
EN-148	OU2	851.61	767892.2	965482.5
EN-149	OU7	841.06	767125.6	963726.5
EN-150	OU7	841.04	767120.4	963722.2
EN-151	OU7	838.74	767207.6	963800.4
EN-152	OU7	838.74	767207.3	963804.4
EN-153	OU7	838.21	767250.1	963602.8
EN-154R	OU7	838.31	767174.9	963749.6
EN-161	MAA	847.17	766402.3	966798.6
EN-162	MAA	856.48	766289.3	967137.1
EN-163	MAA	860.31	766431.6	967402.0
EN-164	OU7	842.10	767402.0	964107.8
EN-165	OU7	838.31	767347.6	963932.5
EN-166	OU7	837.32	767694.7	963919.0
EN-167	OU7	835.48	767855.0	964021.8
EN-170	MAA	847.08	766581.9	966800.3
EN-173	OU4	846.33	766748.4	967039.9
EN-174	MAA	855.83	766797.2	967382.4
EN-175	OU4	844.15	766605.6	967059.2
EN-176	OU7	842.88	767315.2	963979.9
EN-177	OU7	841.88	767511.4	964278.0
EN-178	OU3	854.18	765414.3	968428.8
EN-182	OU4	847.90	766588.1	966890.5
EN-183	OU4	846.97	766591.4	966957.9
EN-184	OU1	846.44	768400.4	966925.6
EN-186	OU2	851.62	767790.5	965167.7
EN-187	OU2	851.66	767750.6	965438.4
EN-188	OU2	848.13	767638.5	965216.2
EN-189	OU2	851.00	767745.6	965279.8
EN-190	MAA	851.76	766673.4	965993.1
EN-191A	MAA	848.52	766528.4	965959.3
EN-192	MAA	850.71	766545.3	966307.2
EN-193	MAA	848.28	766578.0	966617.7
EN-194	MAA	843.46	766532.8	965964.2
EN-195	MAA	838.02	766583.4	966626.3
EN-200	OU1	850.27	768873.4	966000.9
EN-202	OU7	848.44	766785.8	964096.1

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-203	MAA	846.10	766231.7	965611.8
EN-204	MAA	856.44	766006.6	966857.7
EN-206	OU3	859.47	765630.8	967350.4
EN-207	OU3	854.92	765103.8	967941.8
EN-208A	OU3	851.64	765316.0	966842.0
EN-210	OU3	850.67	764809.6	967490.8
EN-211	OU7	837.73	767943.8	964162.3
EN-213A	OU3	853.94	765480.0	967101.0
EN-214A	MAA	846.40	766180.0	966720.0
EN-214B	MAA	846.46	766180.0	966729.0
EN-215A	MAA	847.50	766446.3	966088.2
EN-215B	MAA	847.47	766448.9	966087.9
EN-215T	MAA	847.00	766452.0	966086.8
EN-217A	OU3	857.13	765842.0	967646.0
EN-219R	OU1	843.95	768172.3	966576.4
EN-253R	OU1	843.96	768095.2	966134.3
EN-276	OU2	852.29	767520.7	965805.6
EN-276R	OU2	852.54	767499.1	965813.8
EN-276A	OU2	849.39	767519.3	965800.2
EN-277	OU2	852.36	767318.5	965961.0
EN-278	MAA	850.75	767158.1	965972.7
EN-279	MAA	850.30	767150.1	965974.4
EN-284	OU2	850.72	767197.2	965870.3
EN-284P	OU2	852.86	767175.0	965865.7
EN-301	MAA	848.16	767006.0	964763.0
EN-302	MAA	843.02	767206.0	966730.0
EN-304	OU5	849.63	768017.0	968309.0
EN-310	OU3	846.05	765245.0	966270.0
EN-311	OU3	849.30	764773.0	966366.0
EN-380	OU4	847.35	767138.9	966898.8
EN-381	OU4	846.35	766894.0	967095.5
EN-382	OU4	852.26	767081.3	967368.0
EN-384	OU4	847.86	767466.0	967099.9
EN-385	OU4	846.21	767702.4	967242.4
EN-386	OU4	848.49	767548.3	967160.4
EN-387A	OU4	854.23	767474.2	967458.8
EN-392R	OU4	846.95	767749.9	967440.0
EN-393	OU4	847.94	767271.7	967034.8
EN-394	OU4	851.42	767254.7	967358.5
EN-395	OU4	849.91	767514.5	967649.2
EN-396	OU4	848.45	767572.4	967340.0
EN-397	OU2	844.83	767915.2	967296.5
EN-398	OU2	845.22	767888.5	967104.0
EN-399	OU4	846.23	767790.6	967537.8
EN-401	OU3	851.79	765154.0	967267.0
EN-402	OU3	851.41	765171.0	967694.0
EN-403	OU3	854.97	765778.0	968122.0

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-404	OU3	848.43	766165.0	968190.0
EN-409	OU5	843.62	768343.0	968957.0
EN-411	OU5	843.41	768797.0	968777.0
EN-414	OU3	859.73	766386.0	967751.0
EN-415	OU3	858.92	766202.0	967421.0
EN-419	OU2	850.27	767362.0	965924.0
EN-421	OU2	850.76	767402.0	966133.0
EN-422	OU2	851.86	767425.0	966253.0
EN-426	OU3	854.29	765506.0	967852.0
EN-427	OU3	857.00	765958.0	967877.0
EN-428	OU1	840.82	768094.2	966069.2
EN-429	OU2	849.45	767321.0	965719.7
EN-430	OU2	850.10	767378.6	965965.2
EN-431	OU2	850.66	767399.5	966061.0
EN-432	OU2	851.01	767402.8	966095.8
EN-433	OU2	851.24	767415.8	966172.6
EN-434	OU2	851.57	767421.7	966219.3
EN-435	OU2	851.42	767407.5	966302.9
EN-436	MAA	849.04	767015.8	965618.4
EN-437	MAA	847.71	766865.3	966067.0
EN-438	MAA	847.10	766729.5	965641.3
EN-439A	MAA	844.18	766437.4	965722.2
EN-439B	MAA	844.34	766443.5	965721.5
EN-440	MAA	845.53	766464.1	965839.7
EN-441	MAA	847.19	766471.2	965948.5
EN-442A	MAA	847.92	766522.2	966158.0
EN-442B	MAA	847.94	766522.3	966162.6
EN-443	MAA	846.75	766545.9	966479.5
EN-444A	MAA	846.58	766355.1	966049.9
EN-444B	MAA	846.54	766351.7	966050.9
EN-445	MAA	840.88	766115.8	965741.2
EN-446A	MAA	845.02	766228.0	966059.1
EN-446B	MAA	845.11	766224.0	966058.9
EN-447A	MAA	845.75	766164.1	966508.6
EN-447B	MAA	845.73	766163.8	966505.0
EN-447T	MAA	848.02	766164.3	966512.4
EN-448	MAA	848.29	766859.4	966445.5
EN-449	OU3	857.00	765808.4	966781.8
EN-450	MAA	846.27	766918.7	965368.7
EN-451	MAA	846.26	766896.3	965056.1
EN-451P	MAA	845.63	766896.0	965055.0
EN-453	MAA	841.42	766425.3	965336.8
EN-454	MAA	844.42	766574.6	965578.3
EN-455	MAA	843.22	766444.2	965588.2
EN-456	MAA	845.00	766537.8	965754.9
EN-457A	MAA	842.82	766055.0	966073.8
EN-457B	MAA	843.03	766056.0	966071.7

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-458	MAA	843.83	765775.6	966319.7
EN-459A	OU3	847.27	764890.9	966138.8
EN-459B	OU3	846.25	764860.4	966120.2
EN-460A	OU3	847.75	765056.8	966422.1
EN-460B	OU3	846.89	765054.9	966419.0
EN-460C	OU3	847.45	765050.7	966410.8
EN-461	OU3	850.60	765204.4	966657.4
EN-462	OU3	851.38	764733.5	966660.5
EN-463	OU3	851.28	764773.1	967045.2
EN-464	OU3	852.98	765569.3	968214.9
EN-465	OU3	851.15	765342.8	968312.1
EN-466	OU3	846.99	765502.6	968517.5
EN-467	OU3	857.12	765889.2	967767.4
EN-468	OU3	852.36	765349.3	967992.5
EN-469	MAA	849.75	767070.2	966223.8
EN-470	MAA	846.85	766942.6	966583.8
EN-471	OU2	853.30	767735.2	966370.6
EN-473A	OU3	843.06	765100.2	965931.6
EN-473B	OU3	843.14	765096.2	965933.0
EN-474	OU3	836.33	765478.7	966413.3
EN-475	OU3	850.49	765656.2	966608.8
EN-476	MAA	849.81	767107.8	965803.1
EN-477	MAA	848.33	767077.7	965873.2
EN-478A	MAA	844.08	766347.0	965875.3
EN-478B	MAA	844.14	766351.8	965874.6
EN-479A	MAA	845.41	766287.6	965969.6
EN-479B	MAA	845.20	766287.3	965965.1
EN-480A	MAA	843.02	766209.4	965856.7
EN-480B	MAA	842.85	766208.6	965851.5
EN-481A	MAA	843.35	766179.2	965903.4
EN-481B	MAA	842.99	766178.9	965907.3
EN-482	MAA	847.44	767106.0	965943.1
EN-483	OU1	839.08	768473.3	966077.9
EN-484	OU1	838.21	767997.5	965565.8
EN-485	OU1	840.48	768096.1	966144.1
EN-486	OU1	842.63	768184.4	966585.1
EN-487	OU7	834.18	768009.9	964196.6
EN-488	OU2	850.87	767299.6	965262.3
EN-489	OU2	847.45	767613.9	965054.6
EN-490	MAA	845.02	766474.3	966587.6
EN-491	MAA	845.03	766586.9	966692.4
EN-491A	MAA	844.31	766590.5	966726.7
EN-491T	MAA	847.45	766586.1	966689.8
EN-492T	OU4	846.64	766588.2	966851.7
EN-493	MAA	848.33	766959.9	965166.2
EN-494	MAA	848.48	766939.8	965167.7
EN-495	MAA	848.13	766919.1	965168.7

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-496	MAA	848.29	766899.6	965169.2
EN-497	MAA	848.28	766880.5	965170.3
EN-498	MAA	846.73	766840.0	965173.3
EN-499A	MAA	846.40	766358.8	966093.9
EN-499B	MAA	846.28	766361.4	966094.0
EN-500A	MAA	844.47	766218.1	966103.4
EN-500B	MAA	844.55	766216.2	966106.2
EN-501	MAA	842.49	766037.4	966117.3
EN-502	MAA	847.14	766997.8	965054.0
EN-503	MAA	844.94	766796.0	965068.6
EN-504	MAA	845.97	766883.2	965097.9
EN-505	MAA	843.84	766536.2	966852.2
EN-506	MAA	844.21	766525.5	966701.3
EN-507	OU1	840.75	768092.0	966077.9
EN-508	OU2	847.68	767785.6	966038.2
EN-509	OU2	845.70	767955.8	965960.2
EN-510	MAA	839.83	766436.8	964969.1
EN-511	MAA	839.89	766445.2	965084.2
EN-513	MAA	849.57	767173.1	966476.6
EN-514	MAA	847.43	767102.0	966573.0
EN-515	MAA	849.48	767132.0	966430.0
EN-516	MAA	849.70	767165.0	966354.0
EN-520	OU2	849.58	767451.0	965121.0
EN-521	OU2	848.14	767627.0	965455.0
EN-522	OU1	837.45	768009.1	965612.2
EN-523	MAA	838.39	765849.9	965895.9
EN-524	MAA	839.87	765857.0	965997.8
EN-525	OU2	850.06	767340.6	965843.7
EN-526	OU2	850.57	767265.0	965866.7
EN-527	OU4	848.76	767693.0	967505.0
EN-528	OU4	848.95	767613.3	967457.1
EN-529	MAA	847.10	766712.7	965688.2
EN-531	MAA	849.22	767109.3	965547.6
EN-532	MAA	844.84	766595.7	965194.1
EN-533	OU1	836.11	768082.8	965522.2
EN-534	MAA	844.63	766731.6	965438.1
EN-600	OU5	843.47	768416.7	967852.9
EN-604	OU5	841.75	768517.5	968419.5
EN-606	OU5	842.02	768560.2	968647.0
EN-608	OU5	843.11	768617.7	968744.0
EN-616	OU5	843.98	768748.7	968985.2
EN-617	OU5	844.09	768743.3	968985.9
EN-618	OU5	842.72	768680.3	968559.9
EN-623	OU5	847.97	768595.7	968860.3
EN-624	OU5	849.01	768621.6	969002.7
EN-626	OU5	842.76	768608.5	967837.2
EN-632	OU5	842.67	768575.1	968726.2

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-638	OU5	841.56	768803.4	968984.0
EN-640	OU5	842.48	768797.7	968865.3
EN-641	OU5	840.68	768605.1	969036.5
EN-642	OU5	844.00	768788.3	968680.4
EN-644	OU5	846.19	768771.9	968398.0
EN-648	OU5	845.89	768761.9	968218.7
EN-650	OU5	845.21	768750.9	968022.5
EN-651	OU5	845.27	768518.9	969146.7
EN-652	OU5	843.62	768342.1	968959.2
EN-653	OU5	844.54	768534.2	969249.9
EN-655	OU5	839.28	768430.3	969059.6
EN-679	OU5	851.71	768042.5	968435.8
EN-684A	OU5	849.45	768024.4	968317.0
EN-687	OU5	847.83	767999.4	968073.2
EN-692	OU5	841.76	768571.1	968591.8
EN-694	OU5	838.17	768489.5	969057.4
EN-696	OU5	845.50	768480.7	968903.3
EN-698	OU5	849.01	768456.2	968752.4
EN-700	OU5	846.95	768442.6	968652.6
EN-701	OU5	847.23	768437.8	968654.0
EN-702	OU5	841.14	768419.9	968502.6
EN-704	OU5	840.54	768277.4	968610.1
EN-705	OU5	840.57	768272.9	968611.4
EN-709	OU5	841.56	768240.8	968313.9
EN-710	OU5	845.06	768559.1	968492.5
EN-711	OU5	843.13	768698.2	969321.0
EN-712	OU5	843.17	768698.2	969321.0
EN-713	OU5	843.21	768698.8	969318.2
EN-714	OU5	846.64	768202.2	968034.5
EN-715	OU5	847.20	768293.7	968285.0
EN-716	OU5	843.72	768317.6	968385.3
EN-717	OU5	847.36	768155.2	968280.3
EN-718	OU5	843.28	768209.1	968415.3
EN-719	OU5	844.65	768130.7	968409.8
EN-720	OU5	845.05	768117.0	968410.6
EN-721	OU5	844.93	768687.8	968995.4
EN-722	OU5	844.86	768687.3	968992.5
EN-723	OU5	844.70	768627.9	968828.1
EN-724	OU5	841.79	768537.0	968516.6
EN-725	OU5	841.73	768535.8	968508.5
EN-726	OU5	850.34	768049.7	968550.8
EN-727	OU5	853.26	768063.8	968786.8
DEC-MW-34D	OU5	843.49	768675.7	969100.4
EN-D01	OU6	841.58	765385.1	964797.4
EN-D02	OU6	844.84	765910.5	966134.0
EN-D03	OU6	843.26	764640.5	964647.9
EN-D04	OU6	854.87	765372.0	968361.1

Table D-1: Hydraulic Effectiveness Monitoring Wells for Groundwater Elevations

(effective January 1, 2018)

Well	Site Area	M.P. Elev. (ft amsl)	Planar Coordinates Northing (grid feet)	Planar Coordinates Easting (grid feet)
EN-D04S	OU6	854.60	765372.0	968361.1
EN-D06	OU6	852.94	767177.6	966476.6
EN-D07	OU6	848.03	766581.2	966653.9
EN-D10	OU6	849.53	766742.3	967050.9
EN-D11	OU6	850.24	766879.9	966327.3
EN-D12	OU6	854.05	767321.1	966227.4
EN-D13	OU6	845.31	768066.6	966455.0
EN-D14	OU6	846.22	768068.7	966466.2
EN-D30	OU6	848.01	767015.0	967027.0
EN-D31	OU6	846.15	766178.0	966710.0
EN-D33	OU6	851.06	767575.7	966438.1
EN-D34	OU6	850.81	767573.7	966428.0
EN-D35	OU6	848.23	767023.4	967031.2
EN-D36	OU6	845.50	766559.7	966655.1
EN-D37	OU6	849.67	767170.2	966474.1
EN-D38	OU6	851.62	767319.5	966223.5
EN-D39	OU6	850.25	767371.4	965948.8
EN-D40	OU6	849.83	767076.8	966223.8
EN-D41	OU6	846.50	766943.0	966589.5
EN-D42	OU6	843.81	767231.3	966702.5
EN-D43	OU6	849.70	767669.7	966710.2
EN-D44	OU6	852.77	767428.2	966286.4
EN-D45	OU6	850.75	767411.2	966123.3
EN-D46	OU6	850.08	767601.8	966548.0
EN-D47	OU6	853.42	767731.4	966372.2
EN-D48	OU6	845.75	767721.4	966982.3
EN-D49	OU6	852.73	767202.2	966420.7

Total Number of HE Wells = 399

Key:

M.P. Elev. = Measuring Point Elevation

BOLD = Denotes active extraction wells. Water levels in these wells will not be measured if the wells are under vacuum or are not pumping.

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
DOT-1	OU2	A	1		1
DOT-2	OU2	A	1		1
DOT-4	OU2	A	1		1
EN-002	OU1	A	1		
EN-006	MAA	Q	4		
EN-012	OU2	Q	4		
EN-013	OU2	S	2		
EN-014	OU2	Q	4		
EN-015	OU2	S	2		
EN-016	OU2	Q	4		
EN-017	OU2	Q	4		
EN-018	OU2	S	2		
EN-019	OU2	Q	4		
EN-020	OU2	Q	4		
EN-021	OU2	S	2		
EN-022	MAA	S	2		
EN-023	OU4	S	2		
EN-024	OU2	A	1		
EN-026	OU7	A	1		1
EN-029A	MAA	Q	4		
EN-030	OU5	S	2		2
EN-034	OU1	S	2		
EN-035	OU2	S	2		
EN-036	OU2	S	2		
EN-037	OU1	Q	4		
EN-039	OU1	Q	4		
EN-045	OU1	Q	4		
EN-051	OU1	Q	4		
EN-052	OU1	Q	4		
EN-053	OU1	Q	4		
EN-054	OU2	A	1		
EN-055	OU1	S	2		
EN-056	OU1	A	1		1
EN-058	OU1	S	2		
EN-062	MAA	A	1		
EN-064	MAA	A	1		
EN-065	OU4	S	2		
EN-067	OU7	A	1		1
EN-069	OU7	A	1		1
EN-070	OU7	A	1		1
EN-072	OU7	A	1		1
EN-073	OU1	A	1		1
EN-074	OU2	A	1		1
EN-075	OU2	A	1		
EN-076	OU2	A	1		
EN-077	OU2	Q	4		
EN-078	MAA	S	2		
EN-079	OU4	S	2		

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-080	OU4	S	2		
EN-081	OU2	S	2		
EN-083	OU1	A	1		1
EN-084	OU1	A	1		1
EN-091	MAA	Q	4		
EN-091A	MAA	Q	4		
EN-091T	MAA	M		12	
EN-092	MAA	Q	4		
EN-092A	MAA	S	2		
EN-093	MAA	Q	4		
EN-094	MAA	A	1		
EN-095	OU7	Q	4		
EN-096	OU7	Q	4		
EN-097	OU1	A	1		1
EN-100	MAA	Q	4		
EN-102	MAA	Q	4		
EN-104	OU7	Q	4		
EN-105	OU7	A	1		1
EN-106	OU1	A	1		1
EN-107R	OU1	M		12	
EN-112	OU2	Q	4		
EN-114	OU1	Q	4		
EN-114T	OU1	M		12	
EN-117	OU1	A	1		1
EN-122	OU7	A	1		1
EN-125	MAA	A	1		
EN-126	MAA	A	1		
EN-127	OU4	S	2		
EN-129	OU4	A	1		
EN-130	OU4	S	2		
EN-132	MAA	S	2		
EN-133	MAA	M		12	
EN-148	OU2	A	1		1
EN-150	OU7	Q	4		
EN-152	OU7	Q	4		
EN-154R	OU7	Q	4		
EN-161	MAA	S	2		
EN-162	MAA	S	2		
EN-163	MAA	A	1		
EN-166	OU7	A	1		1
EN-170	MAA	Q	4		
EN-173	OU4	S	2		
EN-174	OU4	S	2		
EN-175	OU4	A	1		
EN-176	OU7	A	1		
EN-177	OU7	A	1		
EN-182	OU4	Q	4		
EN-183	OU4	Q	4		

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-186	OU2	A	1		
EN-187	OU2	A	1		1
EN-188	OU2	A	1		1
EN-189	OU2	A	1		1
EN-190	MAA	Q	4		
EN-191A	MAA	Q	4		
EN-192	MAA	Q	4		
EN-193	MAA	Q	4		
EN-194	MAA	M		12	
EN-200	OU1	A	1		1
EN-203	MAA	S	2		
EN-204	MAA	S	2		
EN-206	OU3	S	2		
EN-207	OU3	S	2		
EN-208A	OU3	S	2		
EN-210	OU3	S	2		
EN-211	OU7	A	1		1
EN-213A	OU3	S	2		
EN-214A	MAA	Q	4		
EN-214B	MAA	Q	4		
EN-215A	MAA	Q	4		
EN-215B	MAA	Q	4		
EN-215T	MAA	M		12	
EN-217A	OU3	S	2		
EN-219R	OU1	M		12	
EN-253R	OU1	M		12	
EN-276	OU2	M		12	
EN-276R	OU2	M		12	
EN-277	OU2	S	2		
EN-278	MAA	Q	4		
EN-284	OU2	Q	4		
EN-284P	OU2	M		12	
EN-301	MAA	A	1		
EN-302	MAA	Q	4		
EN-304	OU5	A	1		
EN-311	OU3	S	2		
EN-380	OU4	S	2		
EN-381	OU4	S	2		
EN-382	OU4	S	2		
EN-384	OU4	S	2		
EN-386	OU4	A	1		
EN-387A	OU4	Q	4		
EN-392R	OU4	S	2		
EN-393	OU4	S	2		
EN-394	OU4	S	2		
EN-395	OU4	S	2		
EN-396	OU4	S	2		
EN-397	OU2	A	1		1

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-398	OU2	A	1		
EN-399	OU4	S	2		
EN-401	OU3	Q	4		
EN-402	OU3	S	2		
EN-409	OU5	A	1		1
EN-415	OU3	A	1		
EN-419	OU2	Q	4		
EN-421	OU2	Q	4		
EN-422	OU2	S	2		
EN-426	OU3	S	2		
EN-428	OU1	M		12	
EN-429	OU2	S	2		
EN-430	OU2	S	2		
EN-431	OU2	Q	4		
EN-432	OU2	S	2		
EN-433	OU2	S	2		
EN-434	OU2	Q	4		
EN-435	OU2	Q	4		
EN-436	MAA	Q	4		
EN-437	MAA	Q	4		
EN-438	MAA	S	2		
EN-439A	MAA	Q	4		
EN-439B	MAA	Q	4		
EN-440	MAA	Q	4		
EN-441	MAA	Q	4		
EN-442A	MAA	Q	4		
EN-442B	MAA	Q	4		
EN-443	MAA	Q	4		
EN-444A	MAA	Q	4		
EN-444B	MAA	Q	4		
EN-445	MAA	S	2		
EN-446A	MAA	S	2		
EN-446B	MAA	S	2		
EN-447A	MAA	Q	4		
EN-447B	MAA	Q	4		
EN-447T	MAA	M		12	
EN-448	MAA	Q	4		
EN-449	OU3	S	2		
EN-450	MAA	Q	4		
EN-451	MAA	Q	4		
EN-451P	MAA	M		12	
EN-453	MAA	S	2		
EN-454	MAA	Q	4		
EN-455	MAA	Q	4		
EN-456	MAA	Q	4		
EN-457A	MAA	S	2		
EN-457B	MAA	S	2		
EN-458	MAA	S	2		

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-459A	OU3	Q	4		
EN-459B	OU3	Q	4		
EN-460A	OU3	Q	4		
EN-460B	OU3	Q	4		
EN-460C	OU3	Q	4		
EN-462	OU3	S	2		
EN-463	OU3	S	2		
EN-464	OU3	A	1		
EN-465	OU3	S	2		
EN-467	OU3	A	1		
EN-468	OU3	S	2		
EN-469	MAA	Q	4		
EN-470	MAA	Q	4		
EN-471	OU2	S	2		
EN-473A	OU3	A	1		
EN-473B	OU3	A	1		
EN-474	OU3	S	2		
EN-475	OU3	S	2		
EN-477	MAA	Q	4		
EN-478A	MAA	Q	4		
EN-478B	MAA	Q	4		
EN-479A	MAA	S	2		
EN-479B	MAA	S	2		
EN-480A	MAA	S	2		
EN-480B	MAA	S	2		
EN-481A	MAA	S	2		
EN-481B	MAA	S	2		
EN-482	MAA	Q	4		
EN-483	OU1	A	1		1
EN-484	OU1	Q	4		
EN-486	OU1	S	2		
EN-487	OU7	A	1		1
EN-488	OU2	A	1		
EN-489	OU2	A	1		
EN-490	MAA	Q	4		
EN-491A	MAA	Q	4		
EN-491T	MAA	M		12	
EN-493	MAA	Q	4		
EN-494	MAA	S	2		
EN-495	MAA	S	2		
EN-496	MAA	Q	4		
EN-497	MAA	S	2		
EN-498	MAA	Q	4		
EN-499A	MAA	Q	4		
EN-499B	MAA	Q	4		
EN-500A	MAA	S	2		
EN-500B	MAA	S	2		
EN-501	MAA	S	2		

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-502	MAA	S	2		
EN-503	MAA	Q	4		
EN-504	MAA	Q	4		
EN-505	MAA	Q	4		
EN-506	MAA	Q	4		
EN-507	OU1	S	2		
EN-508	OU2	Q	4		
EN-509	OU2	Q	4		
EN-511	MAA	A	1		
EN-513	MAA	S	2		
EN-514	MAA	S	2		
EN-515	MAA	S	2		
EN-516	MAA	S	2		
EN-520	OU2	A	1		
EN-521	OU2	A	1		
EN-522	OU1	Q	4		
EN-524	MAA	A	1		
EN-525	OU2	Q	4		
EN-526	OU2	Q	4		
EN-527	OU4	S	2		
EN-528	OU4	S	2		
EN-529	MAA	S	2		
EN-531	MAA	Q	4		
EN-532	MAA	S	2		
EN-533	OU1	Q	4		
EN-534	MAA	Q	4		
EN-606	OU5	A	1		1
EN-616	OU5	A	1		1
EN-617	OU5	A	1		
EN-623	OU5	S	2		
EN-624	OU5	S	2		2
EN-632	OU5	A	1		1
EN-638	OU5	A	1		1
EN-641	OU5	A	1		
EN-642	OU5	A	1		1
EN-651	OU5	S	2		2
EN-652	OU5	A	1		1
EN-653	OU5	S	2		2
EN-655	OU5	A	1		1
EN-679	OU5	S	2		2
EN-684A	OU5	S	2		2
EN-687	OU5	S	2		2
EN-692	OU5	A	1		1
EN-694	OU5	A	1		1
EN-696	OU5	A	1		1
EN-698	OU5	A	1		1
EN-700	OU5	Q	4		4
EN-701	OU5	Q	4		4

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-702	OU5	A	1		1
EN-704	OU5	Q	4		4
EN-705	OU5	Q	4		4
EN-709	OU5	M		12	
EN-710	OU5	S	2		2
EN-711	OU5	A	1		
EN-712	OU5	S	2		
EN-713	OU5	A	1		
EN-714	OU5	A	1		1
EN-715	OU5	A	1		1
EN-716	OU5	A	1		1
EN-717	OU5	A	1		1
EN-718	OU5	A	1		1
EN-719	OU5	A	1		1
EN-720	OU5	A	1		1
EN-721	OU5	S	2		
EN-722	OU5	S	2		2
EN-723	OU5	S	2		2
EN-724	OU5	S	2		2
EN-725	OU5	S	2		2
EN-726	OU5	A	1		1
EN-727	OU5	A	1		1
DEC-MW-34D	OU5	S	2		2
EN-D01	OU6	A	1		1
EN-D02	OU6	A	1		1
EN-D03	OU6	A	1		1
EN-D04D	OU6	A	1		1
EN-D04S	OU6	A	1		1
EN-D10	OU6	S	2		2
EN-D11	OU6	S	2		2
EN-D13	OU6	S	2		2
EN-D14	OU6	A	1		1
EN-D33	OU6	S	2		2
EN-D34	OU6	A	1		1
EN-D35	OU6	S	2		2
EN-D36	OU6	S	2		2

Table D-2: Remedial Action Effectiveness Wells for Groundwater Sampling

(effective January 1, 2018)

Well	Site Area	2018 Sampling Frequency	Mon. Well Sample Count	Extr. Well Sample Count	PDB Sample Count
EN-D37	OU6	S	2		2
EN-D38	OU6	S	2		2
EN-D39	OU6	S	2		2
EN-D40	OU6	S	2		2
EN-D41	OU6	S	2		2
EN-D42	OU6	S	2		2
EN-D43	OU6	S	2		2
EN-D44	OU6	S	2		2
EN-D45	OU6	S	2		2
EN-D46	OU6	S	2		2
EN-D47	OU6	S	2		2
EN-D48	OU6	S	2		2
EN-D49	OU6	M		12	
Total Number of RAE Wells:		**337**			
Total Number of Samples:			**756**	**204**	**135**
Minimum Number of Duplicate Samples (5% of total):			**38**		

Key:

BOLD = Active extraction well, subject to change.
OU1 = Operable Unit #1: Railroad Corridor Source Area
OU2 = Operable Unit #2: North Street Area
MAA = Misc. Activity A: Plume Reduction in Off-Site Capture Zone A
OU3 = Operable Unit #3: Plume Reduction in Southern Area
OU4 = Operable Unit #4: Ideal Cleaners Area
OU5 = Operable Unit #5: Building 57 Area
OU6 = Operable Unit #6: Plume Control in Bedrock Groundwater
OU7 = Operable Unit #7: Assessment of Sewers in Northwestern Area of the Sit
M = Monthly
Q = Quarterly
S = Semiannually
A = Annually

Notes:

1) Eligibility for sampling using PDBs was determined based on inner well diameters (greater than 1-inch ID required), anticipated water column thickness in the screened interval of the well (in general, 5 feet or greater is needed for PDB sampling), and position

2) Specific conductance, pH, temperature, and turbidity to be measured in the field.

3) All samples to be analyzed by SW-846 Method 8260C.

4) Extraction wells will not be sampled unless they are pumping.

APPENDIX E

Groundwater Analytical Chemistry Data, 2018

Groundwater Treatment Analytical Chemistry Data, 2018

Sample Location		DEC-MW-34D	DEC-MW-34D	DOT-1	DOT-2	DOT-4	DOT-4
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		05/17/2018	08/06/2018	08/06/2018	08/06/2018	08/06/2018	08/06/2018
Sample Comment Codes		9618756	9746078	9746090	9746091	9746092	9746093
Parameter	**Units**						
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-DICHLOROETHANE	ug/L	4.4	3.9	ND@0.5	ND@0.5	0.4 J	0.3 J
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	2.4	2.3	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
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	2.8	7.8	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	16	7.6	0.2 J	ND@0.5	1.1	1.1
ETHYLBENZENE	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	2.1	0.4 J	0.3 J	0.8
TOLUENE	ug/L	ND@0.5	ND@0.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.5	0.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.2 J	0.3 J	0.9	0.2 J	0.5 J	0.7
VINYL CHLORIDE	ug/L	15	9.3	ND@0.5	ND@0.5	1.1	1.2
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.1 J

Groundwater Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		EN-002	EN-006	EN-006	EN-006	EN-006	EN-012
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/02/2018	02/12/2018	05/16/2018	08/08/2018	11/07/2018	02/07/2018
Sample Comment Codes		9738699	9456506	9615283	9745860	9893492	9449843
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.3 J	0.3 J	0.3 J	0.3 J	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.2	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
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 J	ND@0.5	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	ND@0.5	0.1 J	ND@0.5	0.05 J	1.4
ETHYLBENZENE	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	24	ND@0.5	ND@0.5	ND@0.5	ND@0.5	12
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1	0.8	1	0.9	0.9	0.6
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		EN-012	EN-012	EN-012	EN-013	EN-013	EN-013
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		05/21/2018	08/16/2018	11/06/2018	05/17/2018	08/09/2018	08/09/2018
Sample Comment Codes		9627130	9761157	9893315	9618841	9749967	9749968
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5	0.3 J	1.1	ND@0.5	0.1 J	0.08 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.07 J	0.1 J	ND@0.5	0.1 J	0.1 J
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 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	0.1 J	0.07 J	ND@0.5	ND@0.5	0.08 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	1.5	1.4	3.2	0.6	0.4 J	0.5
ETHYLBENZENE	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	7.5	20	28	9.6	13	12
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.4 J	1.2	2.2	1.2	ND@2.7	ND@2.7
VINYL CHLORIDE	ug/L	ND@0.5 J	0.2 J	ND@0.5	0.1 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		EN-014	EN-014	EN-014	EN-015	EN-015	EN-015
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		05/17/2018	08/09/2018	11/05/2018	05/21/2018	05/21/2018	08/16/2018
Sample Comment Codes		9618842	9749970	9893313	9627131	9627132	9761158
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	0.4 J	0.3 J	1.3	1.2	2.6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 J	1.8	1.8	1.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	3.5	3.6	1
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	1.7	1.7	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.9	0.9	0.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	1.4	0.2 J	0.6	5.1	5.1	3.3
ETHYLBENZENE	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	8.4	8.5	12	19	19	19
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.6	ND@3.0	2.6	7.6	7.6	8.1
VINYL CHLORIDE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		EN-016	EN-016	EN-016	EN-016	EN-016	EN-017
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		02/08/2018	05/21/2018	08/16/2018	11/06/2018	11/06/2018	02/12/2018
Sample Comment Codes		9449844	9627133	9761159	9893316	9893317	9456517
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	440	130	79	100	97	140
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	3.8	1.6 J	1.7	0.5 J	0.4 J	0.4 J
1,1-DICHLOROETHANE	ug/L	730	240	68	97	91	330
1,1-DICHLOROETHENE	ug/L	66	19	13	6.7	6.1	21
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1 J	ND@2.5	0.6	ND@1	0.1 J	0.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	9.6	15	2.6 J	4.2	4.1	8.1
BENZENE	ug/L	ND@2.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@0.5
CHLOROETHANE	ug/L	ND@2.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	370	170	87	78	73	140
ETHYLBENZENE	ug/L	ND@2.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@0.5
TETRACHLOROETHENE	ug/L	6.2	9.3	11	5.6	5.4	2.7
TOLUENE	ug/L	ND@2.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	3.3	4.4	0.6	1 J	1.1	0.7
TRICHLOROETHENE	ug/L	760	380	53	110	100	77
VINYL CHLORIDE	ug/L	ND@2.5	ND@2.5 J	ND@0.5	ND@1	ND@1	ND@0.5
XYLENES, TOTAL	ug/L	ND@2.5	1.4 J	ND@0.5	ND@1	ND@1	ND@0.5

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Sample Location		EN-017	EN-017	EN-017	EN-018	EN-018	EN-019
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/18/2018	08/10/2018	11/05/2018	05/18/2018	08/10/2018	02/12/2018
Sample Comment Codes		9618848	9749972	9893314	9618847	9749973	9456516
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	190	190	200	37	27	420
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.6 J	1 J	1.4 J	ND@2.5	ND@1	ND@5
1,1-DICHLOROETHANE	ug/L	250	210	140	54	21	500
1,1-DICHLOROETHENE	ug/L	25	18	20	3.7	1 J	42
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	0.5 J	0.6 J	ND@2.5	ND@1	ND@5
1,2-DICHLOROETHANE (EDC)	ug/L	8.2	7 J	7.4	0.7 J	0.3 J	3.2 J
BENZENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@1	ND@5
CHLOROETHANE	ug/L	ND@2.5	ND@2.5	0.5 J	ND@2.5	ND@1	ND@5
CIS-1,2-DICHLOROETHENE	ug/L	200	140	110	53	14	240
ETHYLBENZENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@1	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@1	ND@5
TETRACHLOROETHENE	ug/L	2.9	2.8	4.1	1.8 J	0.9 J	12
TOLUENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@1	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	4.2	2.8	1.3 J	0.6 J	0.2 J	2.2 J
TRICHLOROETHENE	ug/L	75	110	100	150	45	510
VINYL CHLORIDE	ug/L	ND@2.5 J	ND@2.5	ND@2.5	ND@2.5 J	ND@1	ND@5
XYLENES, TOTAL	ug/L	ND@2.5	ND@2.5	ND@2.5	0.6 J	ND@1	ND@5

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Sample Location		EN-019	EN-019	EN-019	EN-020	EN-020	EN-020
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		05/18/2018	08/10/2018	11/06/2018	02/12/2018	02/12/2018	05/21/2018
Sample Comment Codes		9618846	9749974	9893319	9456518	9456519	9629303
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	480	210	180	5200	4400	890
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@25	2.5 J	1.3 J	100	85	27
1,1-DICHLOROETHANE	ug/L	1000	370	270	6200	5900	1800
1,1-DICHLOROETHENE	ug/L	120	37	19	1100	1000	200
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@25	0.9 J	0.9 J	21 J	ND@50 J	ND@25
1,2-DICHLOROETHANE (EDC)	ug/L	8.9 J	1.9 J	1.6 J	35 J	35 J	11 J
BENZENE	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	ND@25
CHLOROETHANE	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	ND@25
CIS-1,2-DICHLOROETHENE	ug/L	2100	310	230	8400	8400	1600
ETHYLBENZENE	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	ND@25
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	ND@25
TETRACHLOROETHENE	ug/L	29	38	40	15 J	12 J	ND@25
TOLUENE	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	11 J
TRANS-1,2-DICHLOROETHENE	ug/L	ND@25	2.3 J	2.6 J	30 J	29 J	ND@25
TRICHLOROETHENE	ug/L	260	240	240	6100	5400	15 J
VINYL CHLORIDE	ug/L	ND@25 J	ND@2.5	ND@5	210	180	230
XYLENES, TOTAL	ug/L	ND@25	ND@2.5	ND@5	ND@50	ND@50	15 J

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Sample Location		EN-020	EN-020	EN-021	EN-021	EN-023	EN-023
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	11/06/2018	05/21/2018	08/09/2018	05/10/2018	08/07/2018
Sample Comment Codes		9749962	9893318	9629301	9749963	9606828	9745837
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	430	780	4100	2200	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	12	ND@100	21 J	14 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	780	480	2100	2400	0.1 J	0.1 J
1,1-DICHLOROETHENE	ug/L	74	97 J	200	87	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	3 J	ND@100	ND@25	10 J	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	4.9 J	10 J	5 J	6.9 J	ND@0.5	ND@0.5 J
BENZENE	ug/L	ND@10	ND@100	ND@25	ND@25	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@10	ND@100	44	290	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	860	1600	84	140	1.7	1.3
ETHYLBENZENE	ug/L	ND@10	ND@100	ND@25	ND@25	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@10	ND@100	ND@25	ND@25	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	2.6 J	ND@100	ND@25	ND@25	0.2 J	0.1 J
TOLUENE	ug/L	3.1 J	ND@100	11 J	5.9 J	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	10	ND@100	ND@25	ND@25	0.2 J	0.1 J
TRICHLOROETHENE	ug/L	30	11000	ND@25	ND@25	11	10
VINYL CHLORIDE	ug/L	110	ND@100	100	73	0.1 J	ND@0.5
XYLENES, TOTAL	ug/L	2.1 J	ND@100	ND@25	ND@25	ND@0.5	ND@0.5

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Sample Location		EN-024	EN-026	EN-029A	EN-029A	EN-029A	EN-029A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		08/09/2018	08/02/2018	02/06/2018	05/17/2018	08/08/2018	08/08/2018
Sample Comment Codes		9749961	9738696	9450453	9618838	9749847	9749848
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	0.1 J	1.2	1	1	1
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-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.4 J	0.2 J	0.2 J	0.2 J
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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	1.4	ND@0.5	0.7	0.4 J	0.5 J	0.5 J
ETHYLBENZENE	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	1.8	1.9	1.7	1.8
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	1.1	1.1	1.4	1.4
VINYL CHLORIDE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-029A	EN-030	EN-030	EN-034	EN-034	EN-035
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/07/2018	05/16/2018	08/02/2018	05/21/2018	08/16/2018	05/22/2018
Sample Comment Codes		9893493	9618747	9738747	9627129	9761165	9627151
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.1	ND@0.5	ND@0.5	2.4	2100	45
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.07 J	22	21	ND@0.5	7 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	ND@0.5	ND@0.5	2.2	120	23
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	12 J	10
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	8.9	8.6	ND@0.5	ND@25	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	3.8 J	0.2 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	11 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.1 J	ND@0.5	17	170	18
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	5.9 J	ND@0.5
TETRACHLOROETHENE	ug/L	1.9	ND@0.5	ND@0.5	ND@0.5	ND@25	0.3 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@25	ND@0.5
TRICHLOROETHENE	ug/L	1.7	0.2 J	0.1 J	0.7	ND@25	29
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	62	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@0.5

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Sample Location		EN-035	EN-036	EN-036	EN-037	EN-037	EN-037
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/16/2018	05/22/2018	08/16/2018	02/07/2018	05/22/2018	08/16/2018
Sample Comment Codes		9761174	9627150	9761173	9449672	9627140	9761166
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	140	1.8	2.2	26000	15000	17000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.6	ND@0.5	ND@0.5	36 J	ND@100	17 J
1,1-DICHLOROETHANE	ug/L	61	0.2 J	0.4 J	6900	4700	3600
1,1-DICHLOROETHENE	ug/L	24	ND@0.5	0.4 J	1900	840	1200
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.1 J	ND@0.5	ND@0.5	24 J	ND@100	ND@100
1,2-DICHLOROETHANE (EDC)	ug/L	0.4 J	ND@0.5	ND@0.5	17 J	53 J	18 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@50	ND@100	ND@100
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	2700	2000	1300
CIS-1,2-DICHLOROETHENE	ug/L	35	0.4 J	0.5	18000	10000	15000
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@50	ND@100	ND@100
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@50	ND@100	19 J
TETRACHLOROETHENE	ug/L	0.4 J	0.3 J	0.4 J	11 J	ND@100	ND@100
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	110	81 J	78 J
TRANS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	ND@0.5	22 J	21 J	44 J
TRICHLOROETHENE	ug/L	52	11	14	ND@50	ND@100	14 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	1700	1300 J	1100
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@50	ND@100	ND@100

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Sample Location		EN-037	EN-039	EN-039	EN-039	EN-039	EN-039
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL	REPLICATE
Sample Date		11/06/2018	02/08/2018	05/15/2018	05/15/2018	08/09/2018	08/09/2018
Sample Comment Codes		9893339	9450604	9615004	9615005	9749957	9749958
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	11000	48000	61000	61000	150	150
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
1,1-DICHLOROETHANE	ug/L	2100	400 J	920	730	8.8	8.8
1,1-DICHLOROETHENE	ug/L	1100	590	690	700 J	3.1	3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
1,2-DICHLOROETHANE (EDC)	ug/L	14 J	ND@500	ND@500	ND@500	0.9 J	0.8 J
BENZENE	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
CHLOROETHANE	ug/L	440	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
CIS-1,2-DICHLOROETHENE	ug/L	13000	930	1300	1400	64	64
ETHYLBENZENE	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
TETRACHLOROETHENE	ug/L	ND@100	170 J	130 J	ND@500	20	19
TOLUENE	ug/L	36 J	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
TRANS-1,2-DICHLOROETHENE	ug/L	14 J	ND@500	ND@500	ND@500	1.1 J	1.1 J
TRICHLOROETHENE	ug/L	31 J	ND@500	ND@500	ND@500	58	57
VINYL CHLORIDE	ug/L	670	ND@500	ND@500	ND@500	ND@2.5	ND@2.5
XYLENES, TOTAL	ug/L	ND@100	ND@500	ND@500	ND@500	ND@2.5	ND@2.5

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Sample Location		EN-039	EN-039	EN-045	EN-045	EN-045	EN-045
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/05/2018	11/05/2018	02/08/2018	05/15/2018	08/09/2018	11/05/2018
Sample Comment Codes		9893330	9893331	9450603	9615003	9749956	9893332
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	11000	9600	150000	92000	1700	680
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	32 J	31 J	500 J	ND@1000	13 J	7.1
1,1-DICHLOROETHANE	ug/L	97	92	250 J	310 J	6.5 J	25
1,1-DICHLOROETHENE	ug/L	130	120	2200	1300	18 J	14
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	0.8 J
1,2-DICHLOROETHANE (EDC)	ug/L	8.5 J	9 J	250 J	ND@1000	4.1 J	1.4 J
BENZENE	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	ND@5
CHLOROETHANE	ug/L	23 J	22 J	ND@1000	ND@1000	ND@25	0.9 J
CIS-1,2-DICHLOROETHENE	ug/L	170	170	4800	6000	190	67
ETHYLBENZENE	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	24 J	22 J	3900	4100	ND@25	ND@5
TETRACHLOROETHENE	ug/L	69	63	850 J	410 J	38	44
TOLUENE	ug/L	ND@50	ND@50	310 J	210 J	ND@25	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	ND@5
TRICHLOROETHENE	ug/L	34 J	34 J	ND@1000	ND@1000	56	46
VINYL CHLORIDE	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	ND@5
XYLENES, TOTAL	ug/L	ND@50	ND@50	ND@1000	ND@1000	ND@25	ND@5

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Sample Location		EN-051	EN-051	EN-051	EN-051	EN-052	EN-052
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/12/2018	05/15/2018	08/09/2018	11/05/2018	02/12/2018	05/15/2018
Sample Comment Codes		9456512	9615001	9749954	9893333	9456513	9615002
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1700	1500	120	42 J	1200	1000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	5200	3100	190	210 J	870	1600
1,1-DICHLOROETHANE	ug/L	ND@250	ND@250	ND@50	7.8 J	95 J	120
1,1-DICHLOROETHENE	ug/L	98 J	100 J	9 J	5.4 J	91 J	82 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@250	ND@250	ND@50	12 J	ND@100	ND@100
1,2-DICHLOROETHANE (EDC)	ug/L	ND@250	ND@250	ND@50	ND@13 J	ND@100	ND@100
BENZENE	ug/L	ND@250	ND@250	ND@50	ND@13 J	ND@100	ND@100
CHLOROETHANE	ug/L	ND@250	ND@250	ND@50	ND@13 J	ND@100	ND@100
CIS-1,2-DICHLOROETHENE	ug/L	50000	43000	4200	1300 J	16000	13000
ETHYLBENZENE	ug/L	510	770	ND@50	ND@13 J	ND@100	ND@100
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@250	ND@250	ND@50	ND@13 J	ND@100	ND@100
TETRACHLOROETHENE	ug/L	25000	510	540	180 J	390	380
TOLUENE	ug/L	ND@250	ND@250	ND@50	ND@13 J	ND@100	ND@100
TRANS-1,2-DICHLOROETHENE	ug/L	ND@250	55 J	18 J	6 J	ND@100	ND@100
TRICHLOROETHENE	ug/L	330	ND@250	27 J	6.6 J	28 J	24 J
VINYL CHLORIDE	ug/L	ND@250	210 J	33 J	16 J	170	580
XYLENES, TOTAL	ug/L	1800	2000	14 J	ND@13 J	34 J	110

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Sample Location		EN-052	EN-052	EN-053	EN-053	EN-053	EN-053
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	11/05/2018	02/07/2018	05/21/2018	08/16/2018	11/06/2018
Sample Comment Codes		9749955	9893334	9449675	9627128	9761164	9893338
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	91	190	1300	600	8200	240
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	73	250	6.9 J	2.7 J	21 J	5.3
1,1-DICHLOROETHANE	ug/L	4.3 J	9.7	170	97	290	93
1,1-DICHLOROETHENE	ug/L	2.7 J	7.3	10	3.8 J	39 J	9.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.4 J	1.9 J	ND@5	ND@5	ND@50	0.9 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@10	ND@5	3.9 J	1.2 J	12 J	0.6 J
BENZENE	ug/L	ND@10	ND@5	ND@5	ND@5	ND@50	ND@2.5
CHLOROETHANE	ug/L	ND@10	ND@5	71	26	37 J	1.7 J
CIS-1,2-DICHLOROETHENE	ug/L	1000	970	71	32	430	59
ETHYLBENZENE	ug/L	ND@10	ND@5	ND@5	ND@5	ND@50	ND@2.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@10	ND@5	ND@5	ND@5	12 J	ND@2.5
TETRACHLOROETHENE	ug/L	130	240	ND@5	ND@5	ND@50	ND@2.5
TOLUENE	ug/L	ND@10	ND@5	ND@5	ND@5	ND@50	ND@2.5
TRANS-1,2-DICHLOROETHENE	ug/L	21	17	1.2 J	ND@5	ND@50	1.1 J
TRICHLOROETHENE	ug/L	11	18	1.6 J	1.2 J	9.2 J	21
VINYL CHLORIDE	ug/L	ND@10	3.4 J	110	23 J	210	11
XYLENES, TOTAL	ug/L	ND@10	ND@5	ND@5	ND@5	ND@50	ND@2.5

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Sample Location		EN-054	EN-054	EN-055	EN-055	EN-055	EN-056
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	08/06/2018	05/22/2018	05/22/2018	08/16/2018	08/02/2018
Sample Comment Codes		9746096	9746097	9627141	9627142	9761167	9738739
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1	1	96	100	61	7.2
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.8	0.8	35	41	3.5	0.9
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	54	56	8.3	1.1
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	11	12	4.4	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	14	15	0.2 J	1.9
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	ND@10	ND@10	0.3 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@10	ND@10	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5 J	ND@10	ND@10	0.08 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	2.7	2.6	2000	2000	11	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@10	ND@10	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@10	ND@10	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	47	45	ND@10	ND@10	0.2 J	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@10	ND@10	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	47	54	1.4	ND@0.5
TRICHLOROETHENE	ug/L	7.4	7.5	530	520	24	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	15 J	15 J	0.1 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@10	ND@10	ND@0.5	ND@0.5

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Sample Location		EN-058	EN-058	EN-062	EN-064	EN-064	EN-065
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		05/22/2018	08/16/2018	08/08/2018	08/08/2018	08/08/2018	05/10/2018
Sample Comment Codes		9627143	9761168	9749881	9746022	9746023	9606829
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	12	44	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.9	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	2.7	2.8	ND@0.5	ND@0.5 J	ND@0.5	0.6
1,1-DICHLOROETHENE	ug/L	0.9	1.5	ND@0.5	ND@0.5 J	ND@0.5	0.5 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.06 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	0.1 J	ND@0.5 J	ND@0.5 J	ND@0.5 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	1.7	1.2	ND@0.5	ND@0.5 J	ND@0.5	2.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.1 J	0.1 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	ND@0.5	ND@0.5 J	ND@0.5	0.2 J
TRICHLOROETHENE	ug/L	10	10	ND@0.5	ND@0.5 J	ND@0.5	7.4
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	0.2 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5

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Sample Location		EN-065	EN-067	EN-069	EN-070	EN-072	EN-073
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	08/02/2018	08/02/2018	08/02/2018	08/02/2018	08/02/2018
Sample Comment Codes		9745824	9738687	9738689	9738688	9738695	9738698
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	2.4	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.9	0.4 J	ND@0.5	6.4	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.8	15	2.8	ND@0.5	11	2.5
1,1-DICHLOROETHENE	ug/L	0.6	0.2 J	0.1 J	ND@0.5	0.9	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	5.3	1.1	0.5	5	0.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	3.1	3.6	1.8	2.9	24	4.6
ETHYLBENZENE	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	0.4 J	0.2 J	2.7	4.6	0.3 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.2 J	ND@0.5	ND@0.5	0.6	ND@0.5
TRICHLOROETHENE	ug/L	8.3	0.4 J	0.8	10	1.7	1.2
VINYL CHLORIDE	ug/L	0.3 J	2.2	0.3 J	ND@0.5	1.3	0.1 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-074	EN-075	EN-076	EN-077	EN-077	EN-077
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	08/07/2018	08/07/2018	02/12/2018	05/16/2018	08/20/2018
Sample Comment Codes		9746099	9745924	9745926	9456503	9615282	9766914
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.1 J	0.1 J	53	41	23
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.6	ND@0.5	ND@0.5	0.3 J	0.3 J	0.1 J
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	100	70	25
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	19	15	6.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	ND@0.5	ND@0.5	0.3 J	0.3 J	0.1 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	ND@0.5 J	0.9	0.5	0.1 J
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	2.1	0.2 J	51	30	14
ETHYLBENZENE	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	13	1.6	8.4	0.7	0.6	0.6
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.3 J	0.2 J	0.1 J
TRICHLOROETHENE	ug/L	1.6	3.5	2	63	64	49
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-077	EN-078	EN-078	EN-079	EN-079	EN-080
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/19/2018	05/14/2018	08/08/2018	05/10/2018	08/07/2018	05/10/2018
Sample Comment Codes		9911345	9615249	9745857	9606830	9745851	9606824
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	30	0.4 J	0.7	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	84	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	13	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.7	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.3 J
CHLOROETHANE	ug/L	0.07 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	120	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.7
ETHYLBENZENE	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	0.9	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J
TRICHLOROETHENE	ug/L	63	0.6	0.7	ND@0.5	ND@0.5	0.3 J
VINYL CHLORIDE	ug/L	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.9
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.3 J

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Sample Location		EN-080	EN-081	EN-081	EN-083	EN-084	EN-091
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	05/22/2018	08/16/2018	08/02/2018	08/02/2018	02/07/2018
Sample Comment Codes		9745833	9627149	9761172	9738704	9738703	9450492
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	2.1	1.5	ND@0.5	ND@0.5	3.3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	1.3	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	1.7	1.4	0.9	ND@0.5	0.8
1,1-DICHLOROETHENE	ug/L	ND@0.5	1	0.8	2.3	ND@0.5	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	2.3	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	0.3 J	0.2 J	0.2 J	0.1 J	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J
CIS-1,2-DICHLOROETHENE	ug/L	0.8	16	13	210	ND@0.5	1.9
ETHYLBENZENE	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	0.9	1.1	ND@0.5	ND@0.5	0.8
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.3 J	0.3 J	8.3	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.4 J	24	21	55	ND@0.5	3.6
VINYL CHLORIDE	ug/L	1.6	1 J	1	2.9	ND@0.5	0.1 J
XYLENES, TOTAL	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-091	EN-091	EN-091	EN-091A	EN-091A	EN-091A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/21/2018	08/16/2018	11/19/2018	02/05/2018	05/14/2018	08/08/2018
Sample Comment Codes		9627138	9761161	9911311	9450446	9614988	9749891
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1	1	0.7	0.7	0.9	0.7
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.2 J	0.09 J	ND@0.5	0.2 J	0.1 J
1,1-DICHLOROETHANE	ug/L	0.3 J	0.3 J	0.1 J	0.4 J	0.4 J	0.2 J
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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.6	0.3 J	0.8	0.7	0.4 J
ETHYLBENZENE	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	0.9	1.1	1	0.7	0.7	0.9
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.7	1.8	1.6	2.7	1.3	1.6
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-091A	EN-091T	EN-092	EN-092	EN-092	EN-092
Sample Description		GW MON WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	01/04/2018	02/07/2018	05/21/2018	08/16/2018	11/19/2018
Sample Comment Codes		9894217	9395856	9450493	9627139	9761162	9911312
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.9	0.6	1	1.3	1.2	1.3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	ND@0.5	ND@0.5	0.2 J	0.2 J	0.1 J
1,1-DICHLOROETHANE	ug/L	0.2 J	0.3 J	0.5	0.7	0.5 J	0.4 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.07 J
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 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.5	0.5	0.9	1.1	0.7	1
ETHYLBENZENE	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	1.2	0.5 J	1.6	1.8	1.5	1.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.6	1.5	1.3	1.3	1.5	2.1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-092A	EN-092A	EN-093	EN-093	EN-093	EN-093
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/16/2018	08/10/2018	02/13/2018	05/17/2018	08/08/2018	11/07/2018
Sample Comment Codes		9615017	9749865	9456149	9618840	9749844	9893450
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.5 J	0.5 J	0.5 J	0.4 J	0.4 J
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-DICHLOROETHANE	ug/L	0.3 J	0.4 J	1.2	0.5 J	0.5 J	0.4 J
1,1-DICHLOROETHENE	ug/L	ND@0.5 J	ND@0.5	0.1 J	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.7	2.3	0.6	0.6	0.6
ETHYLBENZENE	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	0.7	0.6	0.6	0.5 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	0.7	1.8	1.2	1	1.2
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-093	EN-094	EN-095	EN-095	EN-096	EN-096
Sample Description		REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/07/2018	08/16/2018	02/08/2018	11/08/2018	02/08/2018	05/16/2018
Sample Comment Codes		9893451	9761160	9449639	9894220	9449644	9615012
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.5	0.6	61	35
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	0.08 J	37	15
1,1-DICHLOROETHANE	ug/L	0.4 J	0.2 J	ND@0.5	ND@0.5	130	79
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	15	11 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.06 J	14	12
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	0.2 J	0.1 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	1.6	1.5
CHLOROETHANE	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	0.6	0.2 J	ND@0.5	ND@0.5	63	36
ETHYLBENZENE	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	0.5	0.2 J	2.9	2.6	0.4 J	0.5 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.3 J	0.3 J
TRICHLOROETHENE	ug/L	1.2	0.9	3.5	1.4	3.5	5.2
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	24 J	17
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-096	EN-096	EN-096	EN-097	EN-100	EN-100
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/16/2018	08/16/2018	11/08/2018	08/02/2018	02/06/2018	05/11/2018
Sample Comment Codes		9761114	9761115	9894221	9738697	9450454	9606873
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	24	28	41 J	ND@0.5	0.3 J	0.2 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	9.8	13	4.1	ND@0.5	ND@0.5	ND@0.5 J
1,1-DICHLOROETHANE	ug/L	33 J	18 J	8	ND@0.5	0.4 J	0.3 J
1,1-DICHLOROETHENE	ug/L	2.8	3.1	0.9	ND@0.5	ND@0.5	ND@0.5 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	5.9	4.5	1.2	ND@0.5	ND@0.5	ND@0.5 J
1,2-DICHLOROETHANE (EDC)	ug/L	0.06 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	ug/L	0.7	0.6	0.07 J	ND@0.5	ND@0.5	ND@0.5 J
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	16	17	3.9	ND@0.5	0.3 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.08 J	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TETRACHLOROETHENE	ug/L	0.1 J	0.2 J	0.2 J	ND@0.5	0.8	1.4 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TRANS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TRICHLOROETHENE	ug/L	0.9	1.3	1.3	ND@0.5	1.7	1.4 J
VINYL CHLORIDE	ug/L	12 J	7.1 J	1.5	ND@0.5	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J

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Sample Location		EN-100	EN-100	EN-100	EN-102	EN-102	EN-102
Sample Description		REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/11/2018	08/08/2018	11/07/2018	02/06/2018	05/17/2018	08/08/2018
Sample Comment Codes		9606874	9749845	9893452	9450455	9618839	9749846
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.4 J	0.6	0.9	0.7	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.3 J	0.2 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	0.2 J	0.2 J	1.6	2.7	0.9
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.9	0.3 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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.5	0.4 J	5.5	6.5	1.9
ETHYLBENZENE	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	1.4	0.6	0.6	2.5	1.9	1.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.4	1.8	2	5.4	2.6	1.4
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-102	EN-104	EN-104	EN-104	EN-105	EN-106
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/07/2018	02/07/2018	05/22/2018	11/06/2018	08/02/2018	08/02/2018
Sample Comment Codes		9893453	9449638	9627144	9893323	9738686	9738702
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	2.5	2.3	1.7	ND@0.5	0.8
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-DICHLOROETHANE	ug/L	0.5	1.5	1.6	1.2	ND@0.5	1.6
1,1-DICHLOROETHENE	ug/L	0.06 J	0.3 J	0.3 J	0.2 J	ND@0.5	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.4 J	0.4 J	0.2 J	ND@0.5	0.7
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5
CHLOROETHANE	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	1.1	0.5	0.5 J	0.3 J	0.4 J	13
ETHYLBENZENE	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	1.5	0.2 J	0.3 J	0.2 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.3 J
TRICHLOROETHENE	ug/L	1.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5	3
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	0.1 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-107R	EN-107R	EN-107R	EN-107R	EN-107R	EN-112
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW MON WELL
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	02/12/2018
Sample Comment Codes		9395859	9444052	9491550	9540697	9588697	9456520
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	53	41 J	15	11	8.9	8.7
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	190	190	69	38	30	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	31 J
1,1-DICHLOROETHENE	ug/L	11 J	ND@50	2.9 J	1.3 J	1.5 J	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	1.6
1,2-DICHLOROETHANE (EDC)	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	ND@0.5
BENZENE	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	ND@0.5
CHLOROETHANE	ug/L	ND@50	ND@50	ND@5 J	ND@5	ND@5	46 J
CIS-1,2-DICHLOROETHENE	ug/L	3200	2600	830	470	390	0.2 J
ETHYLBENZENE	ug/L	40 J	90	31	20	8.8	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	0.2 J
TETRACHLOROETHENE	ug/L	390	730	230	56	42	0.7
TOLUENE	ug/L	ND@50	ND@50	ND@5	ND@5	ND@5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@50	26 J	15	17	4.5 J	ND@0.5
TRICHLOROETHENE	ug/L	55	76	24	7.1	6.6	ND@0.5
VINYL CHLORIDE	ug/L	180	150 J	56 J	50	34	1.1
XYLENES, TOTAL	ug/L	110	140	38	18	6.8	ND@0.5

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Sample Location		EN-112	EN-112	EN-112	EN-114	EN-114	EN-114
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/21/2018	08/09/2018	11/06/2018	02/07/2018	05/21/2018	08/16/2018
Sample Comment Codes		9629300	9749965	9893321	9449674	9627127	9761163
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	41	6.6	7.3	1.2	8.4	24
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	0.8	0.3 J	4.4	2.4	63
1,1-DICHLOROETHANE	ug/L	110	57	54	2.2	1.4	7 J
1,1-DICHLOROETHENE	ug/L	1	0.6	1.2	ND@0.5	ND@0.5	2.5 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.8	3.7	6.4	1.3	0.9	7.4 J
1,2-DICHLOROETHANE (EDC)	ug/L	0.6	0.09 J	0.1 J	ND@0.5	ND@0.5	ND@10 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
CHLOROETHANE	ug/L	38	45	46	ND@0.5	ND@0.5	ND@10
CIS-1,2-DICHLOROETHENE	ug/L	2.5	0.5 J	0.2 J	14	9	650
ETHYLBENZENE	ug/L	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	1	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@10
TETRACHLOROETHENE	ug/L	ND@0.5	0.6	0.3 J	0.5	1.3	2.1 J
TOLUENE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.09 J	0.2 J	0.2 J	0.2 J	5.6 J
TRICHLOROETHENE	ug/L	0.2 J	ND@2.7	0.2 J	0.4 J	1.4	2 J
VINYL CHLORIDE	ug/L	2.9	2.6	4.8	4.6	0.4 J	110
XYLENES, TOTAL	ug/L	0.3 J	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@10

Groundwater Analytical Chemistry Data
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Sample Location		EN-114	EN-114T	EN-114T	EN-114T	EN-114T	EN-114T
Sample Description		GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		11/06/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018
Sample Comment Codes		9893337	9395864	9444057	9491555	9540702	9588702
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	11	1100	890	510	890 J	860
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	21	41	46	36	51	55
1,1-DICHLOROETHANE	ug/L	4.9 J	190	190	120	230	230
1,1-DICHLOROETHENE	ug/L	1.5 J	14	13	7.4	14	14
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.8 J	4.7 J	4.6	4 J	6.2	6
1,2-DICHLOROETHANE (EDC)	ug/L	ND@5	ND@10	1.2 J	1.1 J	1.8 J	1.7 J
BENZENE	ug/L	ND@5	ND@10	ND@2.5	ND@5	ND@5	ND@5
CHLOROETHANE	ug/L	ND@5	11	6.9	2.5 J	6.9	5.9
CIS-1,2-DICHLOROETHENE	ug/L	380	590	520	370	510	660
ETHYLBENZENE	ug/L	ND@5	3.1 J	3.4	2.7 J	3.2 J	2.7 J
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@5	ND@10	1.2 J	ND@5	ND@5	ND@5
TETRACHLOROETHENE	ug/L	3.5 J	4.7 J	3.7	2.7 J	3.7 J	3.3 J
TOLUENE	ug/L	ND@5	ND@10	0.8 J	ND@5	ND@5	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	4.3 J	3 J	1.1 J	2.5 J	5 J	8.1
TRICHLOROETHENE	ug/L	2.6 J	ND@10	1.2 J	1.2 J	1.7 J	1.8 J
VINYL CHLORIDE	ug/L	65	180	170 J	83 J	220	200
XYLENES, TOTAL	ug/L	ND@5	ND@10	1.8 J	1 J	1 J	1.2 J

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Sample Location		EN-114T	EN-114T	EN-114T	EN-114T	EN-114T	EN-114T
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		06/11/2018	07/02/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018
Sample Comment Codes		9657689	9688002	9734807	9795776	9834499	9887464
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1000	370	790	1000	1300 J	500
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	50	29	49	54	73	41
1,1-DICHLOROETHANE	ug/L	250	100	210	210	320	130
1,1-DICHLOROETHENE	ug/L	16	8.1	15	16	25	9.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	6.5	4 J	6.4	6.1	6.9	3.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	2 J	1 J	1.5 J	1.7 J	2.3 J	1.5 J
BENZENE	ug/L	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
CHLOROETHANE	ug/L	5.3	1.6 J	3.3 J	3.3 J	4.3 J	1.6 J
CIS-1,2-DICHLOROETHENE	ug/L	710	450	780	640	800	280
ETHYLBENZENE	ug/L	2.4 J	1.6 J	2.2 J	0.8 J	1 J	0.6 J
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
TETRACHLOROETHENE	ug/L	3.3 J	2.5 J	3.1 J	4.5 J	4.3 J	2.7 J
TOLUENE	ug/L	ND@5	ND@5	ND@5	ND@5	0.7 J	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	3.9 J	2.2 J	3.6 J	7.1	5.6	3.7 J
TRICHLOROETHENE	ug/L	1.9 J	1.6 J	3 J	3.1 J	3.3 J	1.5 J
VINYL CHLORIDE	ug/L	240	120	210	210	240 J	110
XYLENES, TOTAL	ug/L	1.1 J	ND@5	ND@5	ND@5	ND@5	ND@5

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Sample Location		EN-114T	EN-117	EN-122	EN-125	EN-126	EN-127
Sample Description		GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		12/10/2018	08/02/2018	08/02/2018	08/08/2018	08/08/2018	05/10/2018
Sample Comment Codes		9934775	9738700	9738693	9749877	9749878	9606822
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	500	0.2 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	23	0.5 J	0.7	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	140	0.1 J	6.2	ND@0.5	ND@0.5	0.1 J
1,1-DICHLOROETHENE	ug/L	6.7	ND@0.5	0.4 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	2.6 J	0.6	1.7	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	1.7 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5
BENZENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	3.8 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	340	3.1	32	ND@0.5	ND@0.5	0.6
ETHYLBENZENE	ug/L	0.8 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	2.3 J	3.7	ND@0.5	ND@0.5	ND@0.5	0.5
TOLUENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	3.4 J	ND@0.5	0.6	ND@0.5	ND@0.5	0.2 J
TRICHLOROETHENE	ug/L	1.3 J	0.5	1.8	ND@0.5	ND@0.5	4.4
VINYL CHLORIDE	ug/L	110	0.2 J	3.8	ND@0.5	ND@0.5	0.2 J
XYLENES, TOTAL	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-127	EN-127	EN-129	EN-130	EN-130	EN-132
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	08/06/2018	08/20/2018	05/21/2018	08/20/2018	05/16/2018
Sample Comment Codes		9745829	9745830	9766885	9629305	9766913	9615015
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.3 J
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-DICHLOROETHANE	ug/L	0.1 J	0.1 J	ND@0.5	0.1 J	0.1 J	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 J
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 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	1.4	0.1 J	0.2 J	ND@0.5
CHLOROETHANE	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	0.7	0.6	0.2 J	4.5	6.9	ND@0.5
ETHYLBENZENE	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	0.7	0.6	ND@0.5	ND@0.5	ND@0.5	2.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	ND@0.5	0.1 J	0.2 J	ND@0.5
TRICHLOROETHENE	ug/L	5.5	3.8	ND@0.5	0.5 J	0.5 J	1.6
VINYL CHLORIDE	ug/L	0.2 J	0.2 J	ND@0.5	3	3.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	0.5 J	ND@0.5	ND@0.5

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Sample Location		EN-132	EN-132	EN-133	EN-133	EN-133	EN-133
Sample Description		GW MON WELL	REPLICATE	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		08/08/2018	08/08/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018
Sample Comment Codes		9749875	9749876	9395857	9444051	9491549	9540696
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.09 J	0.09 J	0.2 J	0.2 J	0.2 J	0.3 J
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-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 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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 J	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
ETHYLBENZENE	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	1.2	1	1.2	1.5	1.5	2
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.4 J	0.4 J	0.6	0.9	0.8	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-133	EN-148	EN-150	EN-150	EN-150	EN-150
Sample Description		GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/01/2018	08/06/2018	02/08/2018	05/16/2018	08/16/2018	11/08/2018
Sample Comment Codes		9588696	9746094	9449643	9615013	9761113	9894223
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.1 J	1.8	1.4 J	1.6	2.3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	3	2.2 J	3.3	4.9
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	14	15 J	16	18
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	3.5	3.2 J	3	3.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	4.2	4.2 J	5.1	6.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	0.07 J	0.1 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	0.4 J	0.2 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	35 J	37 J	24	40 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	1.6	6.1	0.1 J	ND@0.5 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.1 J	ND@0.5 J	0.1 J	0.1 J
TRICHLOROETHENE	ug/L	0.9	0.3 J	3.1	2.6 J	3.2	3.9
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	0.7 J	1.2 J	3.2	2.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5

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Sample Location		EN-152	EN-152	EN-152	EN-152	EN-154R	EN-161
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/08/2018	05/22/2018	08/16/2018	11/08/2018	02/08/2018	05/11/2018
Sample Comment Codes		9449640	9627152	9761170	9894224	9449641	9606843
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.5	0.5	0.7	1.1	0.2 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.4 J	ND@0.5	0.2 J	0.2 J	1 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.6	0.3 J	1.7	0.3 J	5.6	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.4 J	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5	0.3 J	0.9	0.2 J	3.2	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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	1.3	0.4 J	0.6	ND@0.5	6.7	0.3 J
ETHYLBENZENE	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	0.6
TETRACHLOROETHENE	ug/L	3.4	1.8	2.6	1.7	2.8	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	0.06 J	ND@0.5	0.1 J	ND@0.5
TRICHLOROETHENE	ug/L	1.6	0.7	1.2	0.5 J	1.9	0.1 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	0.1 J	ND@0.5	0.1 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-161	EN-161	EN-162	EN-162	EN-163	EN-163
Sample Description		REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		05/11/2018	08/07/2018	05/17/2018	08/06/2018	08/06/2018	08/06/2018
Sample Comment Codes		9606844	9745853	9618764	9745828	9745825	9745826
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	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-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.1 J
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 J	ND@0.5 J	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.3 J	ND@0.5	0.2 J	0.5	0.5
ETHYLBENZENE	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	0.5	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.1 J	0.1 J	1.6	1.6	2	2
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-166	EN-170	EN-170	EN-170	EN-170	EN-173
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/02/2018	02/05/2018	05/10/2018	08/07/2018	11/06/2018	05/10/2018
Sample Comment Codes		9738691	9450480	9606833	9745841	9893443	9606826
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.2	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.6	0.1 J	ND@0.5	ND@0.5	0.07 J	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	0.5 J	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 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5	0.2 J
CHLOROETHANE	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	1.9	1.6	1.6	1.3	0.3 J
ETHYLBENZENE	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	1	0.6	0.6	0.6	0.5 J	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	4	2.9	2	1.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	1.2	1.8	1	0.3 J	0.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J

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Sample Location		EN-173	EN-174	EN-174	EN-175	EN-176	EN-177
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	05/10/2018	08/06/2018	08/16/2018	08/02/2018	08/02/2018
Sample Comment Codes		9745835	9606821	9745827	9761116	9738742	9738743
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.9	0.5 J
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-DICHLOROETHANE	ug/L	ND@0.5	0.2 J	0.1 J	ND@0.5	1	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	0.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
BENZENE	ug/L	0.2 J	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
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	2.6 J	2.2	ND@0.5	0.7	0.5
ETHYLBENZENE	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	1.2	0.7
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	0.5	0.5	ND@0.5	0.6	4.9
VINYL CHLORIDE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	0.3 J	ND@0.5
XYLENES, TOTAL	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-182	EN-182	EN-182	EN-182	EN-183	EN-183
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/05/2018	05/10/2018	08/07/2018	11/06/2018	02/05/2018	05/10/2018
Sample Comment Codes		9449917	9606832	9745840	9893416	9449916	9606831
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@2.5	ND@0.5	ND@0.5 J	ND@0.5	ND@2.5	ND@0.5
BENZENE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	0.3 J
CHLOROETHANE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.7 J	0.5 J	0.3 J	0.2 J	ND@2.5	0.4 J
ETHYLBENZENE	ug/L	0.8 J	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@2.5	0.1 J	0.1 J	0.1 J	ND@2.5	ND@0.5
TOLUENE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRICHLOROETHENE	ug/L	1.8 J	1.5	1.4	1.2	ND@2.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@2.5	0.3 J	0.2 J	ND@0.5	ND@2.5	0.7
XYLENES, TOTAL	ug/L	ND@2.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	0.2 J

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Sample Location		EN-183	EN-183	EN-186	EN-187	EN-188	EN-189
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	11/06/2018	08/06/2018	08/06/2018	08/06/2018	08/06/2018
Sample Comment Codes		9745839	9893415	9746098	9746101	9746102	9746100
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.8	ND@0.5	0.2 J	0.6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	6.6	ND@0.5	0.2 J	0.7
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	0.3 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5 J	ND@0.5 J
BENZENE	ug/L	0.2 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 J	ND@0.5 J	ND@0.5 J	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.2 J	1.1	0.2 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	24	7.1	10	24
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	0.2 J	1.4	0.2 J	1.1	0.8
VINYL CHLORIDE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-190	EN-190	EN-191A	EN-191A	EN-191A	EN-192
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/08/2018	11/07/2018	02/06/2018	05/16/2018	08/08/2018	02/05/2018
Sample Comment Codes		9745862	9893454	9450489	9615285	9745863	9450483
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.4 J	0.8	0.7	0.7	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-DICHLOROETHANE	ug/L	0.1 J	ND@0.5	1.1	0.5	0.6	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.2 J	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.2 J	2.9	0.7	1.2	ND@0.5
ETHYLBENZENE	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	0.2 J	0.1 J	1.8	1.8	1.8	0.8
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.7	1.1	1.4	1	1.1	0.7
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-192	EN-193	EN-193	EN-193	EN-193	EN-194
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW EXTR WELL
Sample Date		11/06/2018	02/05/2018	05/10/2018	08/07/2018	11/06/2018	01/04/2018
Sample Comment Codes		9893445	9450481	9606834	9745844	9893444	9395851
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.8	0.8	0.6	0.4 J	0.6
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-DICHLOROETHANE	ug/L	0.1 J	ND@0.5	0.1 J	0.2 J	0.1 J	0.3 J
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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.09 J	0.1 J	0.2 J	0.2 J	0.1 J	0.4 J
ETHYLBENZENE	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	6.1	5.5	4.5	3.8	0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.8	1.1	1.1	0.8	0.7	1.6
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-194	EN-194	EN-200	EN-203	EN-203	EN-204
Sample Description		GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/06/2018	03/06/2018	08/02/2018	05/22/2018	08/20/2018	05/22/2018
Sample Comment Codes		9444046	9491544	9738701	9627148	9766911	9627147
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.7	0.8	ND@0.5	ND@0.5	0.1 J	0.6
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-DICHLOROETHANE	ug/L	0.5	0.7	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
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.9	1.1	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	0.6	0.9	ND@0.5	ND@0.5	ND@0.5	0.2 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.6	2.1	ND@0.5	0.6	0.6	0.5
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-204	EN-206	EN-206	EN-207	EN-207	EN-208A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/20/2018	05/22/2018	08/20/2018	05/15/2018	08/16/2018	05/15/2018
Sample Comment Codes		9766910	9627146	9766909	9615259	9761121	9615264
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.7	0.7	0.8	0.2 J	0.06 J	0.3 J
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-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 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	0.09 J	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	0.3 J	1.6	1.7	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	0.6	0.6	0.6	0.2 J	0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-208A	EN-210	EN-210	EN-211	EN-213A	EN-213A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	05/15/2018	08/16/2018	08/02/2018	05/15/2018	08/09/2018
Sample Comment Codes		9749855	9615258	9761120	9738690	9615263	9749857
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.2 J	0.2 J	0.7	0.3 J	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	3.7	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	12	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.7	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	4	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	17	ND@0.5	0.05 J
ETHYLBENZENE	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	0.2 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.3 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@2.7	0.7	0.5 J	2.5	0.7	ND@2.7
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	1.2	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-214A	EN-214A	EN-214A	EN-214A	EN-214B	EN-214B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/06/2018	05/11/2018	08/07/2018	11/07/2018	02/06/2018	05/11/2018
Sample Comment Codes		9450487	9606841	9745848	9893488	9450488	9606842
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	ND@0.5	0.08 J	0.1 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	1.2	1.2	1.2	1.4	1.5	1.7
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	0.6	0.6	0.6	0.7	0.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-214B	EN-214B	EN-215A	EN-215B	EN-215B	EN-215B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		08/07/2018	11/07/2018	11/08/2018	02/13/2018	05/09/2018	05/09/2018
Sample Comment Codes		9745849	9893489	9893496	9456508	9606858	9606859
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.3 J	0.4 J	0.4 J	0.7	0.6
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-DICHLOROETHANE	ug/L	ND@0.5	0.08 J	0.2 J	0.1 J	0.2 J	0.2 J
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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.4 J	0.4 J	0.1 J	0.3 J	0.3 J
ETHYLBENZENE	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	1.4	1.2	0.2 J	0.2 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	1.1	1	0.6	1.2	1.6
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-215B	EN-215B	EN-215T	EN-215T	EN-215T	EN-215T
Sample Description		GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		08/07/2018	11/08/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018
Sample Comment Codes		9746012	9893497	9395855	9444050	9491548	9540695
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.7	0.5	0.5	0.6	0.7	0.9
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-DICHLOROETHANE	ug/L	0.4 J	0.3 J	0.1 J	0.1 J	0.1 J	0.2 J
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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.4 J	0.2 J	0.2 J	0.2 J	0.3 J
ETHYLBENZENE	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	0.2 J	0.3 J	0.2 J	0.2 J	0.2 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.8	1.2	1	1.2	1.3	1.7
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-215T	EN-215T	EN-217A	EN-217A	EN-219R	EN-219R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/01/2018	06/11/2018	05/15/2018	08/10/2018	01/04/2018	02/06/2018
Sample Comment Codes		9588695	9657684	9615262	9749866	9395860	9444053
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.8	0.8	0.1 J	0.1 J	9400	10000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	88 J	140
1,1-DICHLOROETHANE	ug/L	0.2 J	0.3 J	ND@0.5	ND@0.5	920	910
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	140	140
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@100	ND@100
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	440	490
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.5 J	ND@0.5	0.07 J	2100	2100
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100
TETRACHLOROETHENE	ug/L	0.2 J	0.2 J	0.5	0.6	ND@100	ND@100
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	21 J
TRICHLOROETHENE	ug/L	1.7	1.7	0.8	0.7	390	370
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	220	250 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@100	ND@100

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Sample Location		EN-219R	EN-219R	EN-219R	EN-219R	EN-219R	EN-219R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018
Sample Comment Codes		9491551	9540698	9588698	9657685	9687998	9734803
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	7000	11000	11000	10000	9800	13000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	110	110	110	100	100	77 J
1,1-DICHLOROETHANE	ug/L	520	740	760	630	590	630
1,1-DICHLOROETHENE	ug/L	99	140	160	140	92 J	120
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
1,2-DICHLOROETHANE (EDC)	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
BENZENE	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
CHLOROETHANE	ug/L	180 J	360	360	350	330	340
CIS-1,2-DICHLOROETHENE	ug/L	1200	2300	2500	2400	2000	2100
ETHYLBENZENE	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
TETRACHLOROETHENE	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
TOLUENE	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100
TRANS-1,2-DICHLOROETHENE	ug/L	ND@50	ND@100	ND@100	ND@100	31 J	ND@100
TRICHLOROETHENE	ug/L	230	480	660	540	430	520
VINYL CHLORIDE	ug/L	100 J	220	210	200	160	190
XYLENES, TOTAL	ug/L	ND@50	ND@100	ND@100	ND@100	ND@100	ND@100

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Sample Location		EN-219R	EN-219R	EN-219R	EN-219R	EN-253R	EN-253R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018	02/06/2018
Sample Comment Codes		9795772	9834495	9887460	9934771	9395861	9444054
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	13000	8900 J	9900	9800	16000	16000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	83 J	79 J	110	110	ND@250	ND@250
1,1-DICHLOROETHANE	ug/L	760	540	600	590	47000	32000
1,1-DICHLOROETHENE	ug/L	140	87 J	110	110	290	230 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	22 J	19 J	20 J	25 J	320	310
1,2-DICHLOROETHANE (EDC)	ug/L	13 J	10 J	12 J	14 J	71 J	ND@250
BENZENE	ug/L	ND@100	ND@100	ND@100	ND@100	ND@250	ND@250
CHLOROETHANE	ug/L	420	200 J	220	210	88000	60000
CIS-1,2-DICHLOROETHENE	ug/L	2100	1500	1800	2000	3400	1800
ETHYLBENZENE	ug/L	ND@100	ND@100	ND@100	ND@100	ND@250	ND@250
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@100	ND@100	ND@100	ND@100	200 J	190 J
TETRACHLOROETHENE	ug/L	ND@100	ND@100	ND@100	ND@100	ND@250	ND@250
TOLUENE	ug/L	ND@100	ND@100	ND@100	ND@100	1100	850
TRANS-1,2-DICHLOROETHENE	ug/L	ND@100	ND@100	ND@100	ND@100	ND@250	ND@250
TRICHLOROETHENE	ug/L	600	350	410	790	56 J	99 J
VINYL CHLORIDE	ug/L	250	110 J	180	190	780	640 J
XYLENES, TOTAL	ug/L	ND@100	ND@100	ND@100	ND@100	ND@250	ND@250

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Sample Location		EN-253R	EN-253R	EN-253R	EN-253R	EN-253R	EN-253R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018
Sample Comment Codes		9491552	9540699	9588699	9657686	9687999	9734804
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	17000	27000	18000	16000	16000	12000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@250	140 J	ND@250	100 J	ND@250	ND@250
1,1-DICHLOROETHANE	ug/L	28000	32000	34000	39000	29000	27000
1,1-DICHLOROETHENE	ug/L	230 J	340	230 J	330	200 J	150 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	240 J	370	230 J	310	250	280
1,2-DICHLOROETHANE (EDC)	ug/L	ND@250	65 J	57 J	51 J	ND@250	ND@250
BENZENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@250	ND@250
CHLOROETHANE	ug/L	33000 J	59000	45000	49000	43000	29000
CIS-1,2-DICHLOROETHENE	ug/L	2500	3500	2100	3500	2100	3300
ETHYLBENZENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@250	ND@250
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	160 J	150 J	230 J	340	210 J	480
TETRACHLOROETHENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@250	ND@250
TOLUENE	ug/L	880	1200	790	1100	780	810
TRANS-1,2-DICHLOROETHENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@250	ND@250
TRICHLOROETHENE	ug/L	67 J	61 J	60 J	110 J	56 J	56 J
VINYL CHLORIDE	ug/L	490 J	960	740	830	630	520
XYLENES, TOTAL	ug/L	ND@250	ND@250	ND@250	ND@250	ND@250	ND@250

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Sample Location		EN-253R	EN-253R	EN-253R	EN-253R	EN-276	EN-276
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018	02/06/2018
Sample Comment Codes		9795773	9834496	9887461	9934772	9395852	9444047
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	12000	14000 J	19000	16000	3.8	2.6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	72 J	31 J	33 J	ND@250	82	43
1,1-DICHLOROETHANE	ug/L	21000	23000	11000	16000	2.7	2.2
1,1-DICHLOROETHENE	ug/L	220 J	260	270	190 J	1.2	0.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	290	160 J	74 J	110 J	1.4	0.9
1,2-DICHLOROETHANE (EDC)	ug/L	31 J	34 J	30 J	46 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	30000	27000 J	10000	15000	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	2700	5200	5000	4100	8.3	8
ETHYLBENZENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	110 J	94 J	38 J	46 J	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@250	ND@250	ND@250	ND@250	79	67
TOLUENE	ug/L	810	920	710	700	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@250	ND@250	ND@250	ND@250	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	30 J	49 J	35 J	ND@250	11	11
VINYL CHLORIDE	ug/L	700	610 J	630	560	0.5 J	0.5 J
XYLENES, TOTAL	ug/L	ND@250	ND@250	ND@250	ND@250	ND@0.5	ND@0.5

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Sample Location		EN-276	EN-276	EN-276	EN-276	EN-276	EN-276
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018
Sample Comment Codes		9491545	9540692	9588692	9657681	9687995	9734800
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.5	1.6	1.2	1.9	2.1	1.7
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.7	4.9	6.6	84	110	80 J
1,1-DICHLOROETHANE	ug/L	1.3	0.9	0.8	1.2	1.3	1.1
1,1-DICHLOROETHENE	ug/L	0.4 J	0.3 J	0.3 J	0.8	0.8	0.6
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.9	1	0.7
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	6.5	7	5.7	5.5	6.3	5.1
ETHYLBENZENE	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	29	23	23	45	60	61 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	6.8	7.2	6	7.6	9.2	7.8
VINYL CHLORIDE	ug/L	0.3 J	0.5 J	0.3 J	0.3 J	0.3 J	0.3 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Analytical Chemistry Data
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Sample Location		EN-276	EN-276	EN-276	EN-276	EN-276R	EN-276R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018	02/06/2018
Sample Comment Codes		9795769	9834492	9887457	9934768	9395853	9444048
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	3.7	2.9 J	3.6	3.5	77	42
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	110	71	72	50	4.3	27
1,1-DICHLOROETHANE	ug/L	1	1	2.2	2.6	100	63
1,1-DICHLOROETHENE	ug/L	0.9	0.8	0.9	0.9	16	13
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1	1	0.9	0.9	ND@2.5	1.7
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	ND@0.5	0.06 J	1.3 J	0.8
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	3.9	4.2	5.6	6.2	91	69
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	76	50	68	50	12	24
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.08 J	0.08 J	0.6 J	0.3 J
TRICHLOROETHENE	ug/L	9.3	9.2	9.4	7.8	190	95
VINYL CHLORIDE	ug/L	0.2 J	0.2 J	0.3 J	0.4 J	ND@2.5	0.3 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5

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Sample Location		EN-276R	EN-276R	EN-276R	EN-276R	EN-276R	EN-276R
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018
Sample Comment Codes		9491546	9540693	9588693	9657682	9687996	9734801
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	24	33	22	25	29	19
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	88	170	70	23	18	36
1,1-DICHLOROETHANE	ug/L	32	40	33	43	48	31
1,1-DICHLOROETHENE	ug/L	8.7	6.7	4.2	5.8	7.5	4.4
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.4	1.3	0.7 J	0.7 J	0.8 J	0.7 J
1,2-DICHLOROETHANE (EDC)	ug/L	0.6	0.8 J	0.6 J	0.7 J	0.8 J	0.6 J
BENZENE	ug/L	ND@0.5	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/L	ND@0.5 J	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,2-DICHLOROETHENE	ug/L	42	50	39	44	51	37
ETHYLBENZENE	ug/L	ND@0.5	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHENE	ug/L	36	58	56	40	35	27
TOLUENE	ug/L	ND@0.5	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J
TRICHLOROETHENE	ug/L	63	110	130	110	120	82
VINYL CHLORIDE	ug/L	0.2 J	ND@1	ND@1	ND@1	ND@1	ND@1
XYLENES, TOTAL	ug/L	ND@0.5	ND@1	ND@1	ND@1	ND@1	ND@1

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Sample Location		EN-276R	EN-276R	EN-276R	EN-276R	EN-277	EN-284
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL
Sample Date		09/10/2018	10/02/2018	11/06/2018	12/10/2018	08/09/2018	02/06/2018
Sample Comment Codes		9795770	9834493	9887458	9934769	9749897	9449842
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	22	20 J	28	32	0.2 J	140
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.6	2.4	2	1.7	ND@0.5	5.5 J
1,1-DICHLOROETHANE	ug/L	22	25	32	39	ND@0.5	190
1,1-DICHLOROETHENE	ug/L	2.7	2.8	3.7	4.4	ND@0.5	68
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.5 J	ND@0.5	ND@10
1,2-DICHLOROETHANE (EDC)	ug/L	0.5 J	0.6 J	0.8 J	1	ND@0.5	2.8 J
BENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@10
CHLOROETHANE	ug/L	ND@1	ND@1 J	ND@1	ND@1	ND@0.5	ND@10 J
CIS-1,2-DICHLOROETHENE	ug/L	30	30	35	40	0.1 J	420
ETHYLBENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@10
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@10
TETRACHLOROETHENE	ug/L	16	13	13	12	ND@0.5	6.1 J
TOLUENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@10
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.3 J	0.4 J	0.3 J	ND@0.5	7.5 J
TRICHLOROETHENE	ug/L	150	110	120	82	ND@2.7	2500
VINYL CHLORIDE	ug/L	ND@1	ND@1 J	ND@1	ND@1	ND@0.5	2.6 J
XYLENES, TOTAL	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@10

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Sample Location		EN-284	EN-284	EN-284	EN-284P	EN-284P	EN-284P
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/17/2018	08/08/2018	11/19/2018	01/04/2018	02/06/2018	03/06/2018
Sample Comment Codes		9618837	9749850	9911339	9395854	9444049	9491547
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	110	87	150	14	22	26
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	ND@10	5.4 J	0.5	0.8	0.8
1,1-DICHLOROETHANE	ug/L	230	190	240	21	34	48
1,1-DICHLOROETHENE	ug/L	41	33	78	3.4	6.3	7.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	ND@10	1.6 J	0.2 J	0.3 J	0.4 J
1,2-DICHLOROETHANE (EDC)	ug/L	2.6 J	2.6 J	3.5 J	0.2 J	0.3 J	0.4 J
BENZENE	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	450	380	510	23	39	57
ETHYLBENZENE	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	6.9 J	6.6 J	8.8 J	2	2.5	2.9
TOLUENE	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	7.1 J	7.6 J	5.3 J	ND@0.5	0.1 J	0.2 J
TRICHLOROETHENE	ug/L	1000	850	2700	27	45	57
VINYL CHLORIDE	ug/L	ND@10 J	ND@10	ND@13	ND@0.5	ND@0.5 J	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@10	ND@10	ND@13	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-284P	EN-284P	EN-284P	EN-284P	EN-284P	EN-284P
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018	09/10/2018
Sample Comment Codes		9540694	9588694	9657683	9687997	9734802	9795771
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	40	28	27	27	21	20
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.3	0.8 J	0.8 J	0.9 J	0.6 J	0.6 J
1,1-DICHLOROETHANE	ug/L	74	58	60	58	48	48
1,1-DICHLOROETHENE	ug/L	11	8	8.6	9.4	7.5	5.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.7 J	0.6 J	0.6 J	0.7 J	0.6 J	0.6 J
1,2-DICHLOROETHANE (EDC)	ug/L	0.6 J	0.5 J	0.5 J	0.5 J	0.5 J	0.4 J
BENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,2-DICHLOROETHENE	ug/L	96	85	94	96	83	61
ETHYLBENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHENE	ug/L	2.7	2.4	2.6	2.8	2.6	2.5
TOLUENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,2-DICHLOROETHENE	ug/L	0.5 J	0.6 J	0.7 J	0.3 J	0.5 J	0.6 J
TRICHLOROETHENE	ug/L	74	74	82	89	71	70
VINYL CHLORIDE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
XYLENES, TOTAL	ug/L	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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Sample Location		EN-284P	EN-284P	EN-284P	EN-301	EN-302	EN-302
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		10/02/2018	11/06/2018	12/10/2018	08/08/2018	05/16/2018	08/21/2018
Sample Comment Codes		9834494	9887459	9934770	9745930	9615273	9766916
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	18 J	19	21	ND@0.5	0.5	0.8
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.5 J	0.6 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	49	48	60	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	5.7	5.5	5.6	ND@0.5	ND@0.5 J	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.4 J	0.4 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.4 J	0.4 J	0.5 J	ND@0.5 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@1	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@1 J	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	67	74	83	ND@0.5	ND@0.5	0.06 J
ETHYLBENZENE	ug/L	ND@1	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@1	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	2.4	3	3.2	ND@0.5	3.5	5.6
TOLUENE	ug/L	ND@1	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.6 J	0.5 J	0.3 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	71	77	74	0.2 J	1.8	3
VINYL CHLORIDE	ug/L	ND@1 J	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@1	ND@1	ND@1	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-302	EN-304	EN-311	EN-311	EN-380	EN-380
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/20/2018	08/02/2018	05/15/2018	08/09/2018	05/16/2018	08/20/2018
Sample Comment Codes		9911351	9738649	9615268	9749864	9615272	9766915
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.5	0.2 J	0.5	0.3 J	1.4	1.4
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-DICHLOROETHANE	ug/L	0.4 J	ND@0.5	0.1 J	ND@0.5	0.2 J	0.3 J
1,1-DICHLOROETHENE	ug/L	0.07 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 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 J	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	ND@0.5	0.1 J	0.06 J	0.3 J	0.3 J
ETHYLBENZENE	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	3.8	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.9	3.9	0.5 J	ND@2.7	5	4.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5

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Sample Location		EN-381	EN-381	EN-382	EN-382	EN-384	EN-384
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/10/2018	08/06/2018	05/21/2018	08/20/2018	05/10/2018	08/06/2018
Sample Comment Codes		9606825	9745834	9629307	9766912	9606823	9745831
Parameter	**Units**						
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-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 J	0.2 J	0.1 J	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	0.1 J	0.5	0.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	ug/L	0.3 J	0.4 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	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.6	10	13	1.8	1.1
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.2 J	0.2 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	1.1	1.5	2	1.5
VINYL CHLORIDE	ug/L	1.4	1.6	1.3	0.1 J	0.9	0.5 J
XYLENES, TOTAL	ug/L	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-386	EN-387A	EN-387A	EN-387A	EN-387A	EN-392R
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/20/2018	02/13/2018	05/21/2018	08/16/2018	11/06/2018	05/22/2018
Sample Comment Codes		9766880	9456152	9629304	9761122	9893414	9629312
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.2 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.1 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	0.2 J	0.2 J	0.1 J	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.4 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	0.5 J	1.2 J	1.7	0.8	0.2 J
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	0.1 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	1.4	46	110 J	80	53	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	1.5	0.2 J	0.2 J	0.2 J	0.1 J	0.3 J
TOLUENE	ug/L	ND@0.5	0.3 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	7.2	10 J	8.5	8.9	ND@0.5
TRICHLOROETHENE	ug/L	1	0.3 J	1.2 J	1	0.7	0.1 J
VINYL CHLORIDE	ug/L	0.2 J	33	33 J	28	22	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	0.3 J	0.1 J	ND@0.5	0.2 J	0.1 J

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Sample Location		EN-392R	EN-393	EN-393	EN-394	EN-394	EN-395
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/20/2018	05/10/2018	08/06/2018	05/21/2018	08/16/2018	05/22/2018
Sample Comment Codes		9766884	9606827	9745832	9629306	9761123	9629313
Parameter	**Units**						
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-DICHLOROETHANE	ug/L	ND@0.5	0.2 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.6	0.7	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	0.07 J	1.3
CHLOROETHANE	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	2.7	2.9	0.8	0.5 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J
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	0.7	0.2 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.8
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.1 J	5	5.9	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	0.5	1.1	3.7	2.1	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5	0.5

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Sample Location		EN-395	EN-396	EN-396	EN-397	EN-398	EN-399
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	05/22/2018	08/20/2018	08/06/2018	08/06/2018	05/22/2018
Sample Comment Codes		9745823	9629314	9766881	9746088	9746089	9629311
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	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@2.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	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@2.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
BENZENE	ug/L	1.1	0.2 J	0.3 J	ND@0.5	ND@2.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.3 J	0.3 J	0.2 J	ND@2.5	ND@0.5
ETHYLBENZENE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@2.5	ND@0.5
TOLUENE	ug/L	ND@0.8	0.3 J	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRICHLOROETHENE	ug/L	0.1 J	ND@0.5	0.1 J	ND@0.5	ND@2.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	0.1 J	0.2 J	ND@0.5	ND@2.5	ND@0.5
XYLENES, TOTAL	ug/L	0.6	0.3 J	ND@0.5	ND@0.5	ND@2.5	0.1 J

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Sample Location		EN-401	EN-401	EN-401	EN-401	EN-401	EN-409
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/12/2018	02/12/2018	05/15/2018	08/09/2018	11/20/2018	08/03/2018
Sample Comment Codes		9456289	9456290	9615266	9749856	9911340	9738664
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.4	1.4	1.3	1	1.2	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-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 J	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J	ND@0.5
ETHYLBENZENE	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	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.5	0.5	0.6	ND@2.7	0.7	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-415	EN-419	EN-419	EN-419	EN-419	EN-421
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/10/2018	02/12/2018	05/17/2018	08/21/2018	11/20/2018	02/12/2018
Sample Comment Codes		9749867	9456505	9618843	9766893	9911348	9456500
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	7.1	4.8	8.5	12	980
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.6	ND@0.5	0.6	0.8	ND@10
1,1-DICHLOROETHANE	ug/L	ND@0.5	8.5	4.4	7	11	1200
1,1-DICHLOROETHENE	ug/L	ND@0.5	1.3	0.4 J	0.9	1.2	65
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.2 J	ND@0.5	0.1 J	0.1 J	ND@10
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	0.2 J	ND@0.5	0.1 J	0.3 J	6 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	10	4.5	7.3	14	1100
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@10
TETRACHLOROETHENE	ug/L	ND@0.5	2	1.4	1.8	2.6	10
TOLUENE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@10
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	0.09 J	6 J
TRICHLOROETHENE	ug/L	1.4	35	20	19	39	1200
VINYL CHLORIDE	ug/L	ND@0.5 J	5.4	0.1 J	ND@0.5	ND@0.5	3.4 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@10

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Sample Location		EN-421	EN-421	EN-421	EN-422	EN-422	EN-426
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/16/2018	08/21/2018	11/19/2018	05/16/2018	08/21/2018	05/15/2018
Sample Comment Codes		9615277	9766889	9911343	9615279	9766891	9615261
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	240	190	150	30	29	0.2 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	0.8 J	ND@5	ND@2.5	0.6	ND@0.5
1,1-DICHLOROETHANE	ug/L	310	210	210	130	88	ND@0.5
1,1-DICHLOROETHENE	ug/L	25	23	18	19	12	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	ND@5	ND@5	ND@2.5	0.3 J	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	3.1 J	2 J	2.1 J	1.1 J	0.6	ND@0.5
BENZENE	ug/L	ND@10	ND@5	ND@5	ND@2.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@10	ND@5	ND@5	ND@2.5	0.1 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	590	500	370	190	120	ND@0.5
ETHYLBENZENE	ug/L	ND@10	ND@5	ND@5	ND@2.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@10	1.2 J	ND@5	ND@2.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	7.1 J	11	8.2	0.8 J	1.3	ND@0.5
TOLUENE	ug/L	ND@10	ND@5	ND@5	ND@2.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	3 J	3.4 J	0.8 J	1 J	1.1	ND@0.5
TRICHLOROETHENE	ug/L	580	1100	360	94	78	0.7
VINYL CHLORIDE	ug/L	ND@10	ND@5	ND@5	19	17	ND@0.5
XYLENES, TOTAL	ug/L	ND@10	ND@5	ND@5	ND@2.5	ND@0.5	ND@0.5

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Sample Location		EN-426	EN-426	EN-428	EN-428	EN-428	EN-428
Sample Description		GW MON WELL	REPLICATE	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		08/09/2018	08/09/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018
Sample Comment Codes		9749858	9749859	9395862	9444055	9491553	9540700
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.2 J	100000	120000	90000	79000 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	150 J	220 J	ND@1000	ND@1000
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	43000	29000	19000	19000
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	500	1100	870 J	440 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@250	ND@250	ND@1000	ND@1000
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	90 J	77 J	ND@1000	ND@1000
BENZENE	ug/L	ND@0.5	ND@0.5	ND@250	ND@250	ND@1000	ND@1000
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5 J	9800	7700	4400 J	3600
CIS-1,2-DICHLOROETHENE	ug/L	0.06 J	0.06 J	2100	2200	1700	1400
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@250	ND@250	ND@1000	ND@1000
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	4300	3000	2000	2100
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	98 J	77 J	ND@1000	ND@1000
TOLUENE	ug/L	ND@0.5	ND@0.5	290	750	590 J	330 J
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	68 J	ND@250	ND@1000	ND@1000
TRICHLOROETHENE	ug/L	ND@2.7	ND@2.7	75 J	ND@250	ND@1000	ND@1000
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5 J	220 J	310 J	ND@1000 J	ND@1000
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@250	ND@250	ND@1000	ND@1000

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Sample Location		EN-428	EN-428	EN-428	EN-428	EN-428	EN-428
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/01/2018	06/11/2018	07/02/2018	08/01/2018	09/10/2018	10/02/2018
Sample Comment Codes		9588700	9657687	9688000	9734805	9795774	9834497
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	65000	74000 J	82000	75000	48000	23000
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	130 J	88 J
1,1-DICHLOROETHANE	ug/L	15000	22000 J	23000	25000	15000	16000
1,1-DICHLOROETHENE	ug/L	640 J	870 J	870 J	810 J	470 J	290
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	35 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000 J	25 J
BENZENE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	ND@100
CHLOROETHANE	ug/L	2100	3700 J	3300	5100	2600	2200 J
CIS-1,2-DICHLOROETHENE	ug/L	1500	2100 J	2200	2200	800 J	720
ETHYLBENZENE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	ND@100
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	2700	3400 J	4500	2200	1400	920
TETRACHLOROETHENE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	24 J
TOLUENE	ug/L	400 J	590 J	510 J	580 J	300 J	260
TRANS-1,2-DICHLOROETHENE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	ND@100
TRICHLOROETHENE	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	28 J
VINYL CHLORIDE	ug/L	ND@1000	ND@1000 J	ND@1000	200 J	ND@1000	99 J
XYLENES, TOTAL	ug/L	ND@1000	ND@1000 J	ND@1000	ND@1000	ND@1000	ND@100

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Sample Location		EN-428	EN-428	EN-429	EN-429	EN-430	EN-430
Sample Description		GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/06/2018	12/10/2018	05/17/2018	08/21/2018	05/17/2018	08/21/2018
Sample Comment Codes		9887462	9934773	9618836	9766895	9618835	9766894
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	30000	8000	0.9	2.4	3.1	9
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	160	87 J	0.3 J	0.2 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	25000	13000	ND@0.5	0.4 J	3.9	7.5
1,1-DICHLOROETHENE	ug/L	280	200	ND@0.5	0.09 J	ND@0.5	0.4 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	160	110	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	38 J	19 J	ND@0.5	ND@0.5	0.1 J	0.2 J
BENZENE	ug/L	ND@100	ND@100	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	15000	9200	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	1200	970	0.3 J	0.5	4.4	8.1
ETHYLBENZENE	ug/L	ND@100	ND@100	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	610	240	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	47 J	37 J	10	7.2	0.4 J	0.9
TOLUENE	ug/L	480	360	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	31 J	ND@100	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	140	28 J	4.2	6.9	9.6	24
VINYL CHLORIDE	ug/L	300	230	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@100	ND@100	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-431	EN-431	EN-431	EN-431	EN-432	EN-432
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/12/2018	05/16/2018	08/21/2018	11/19/2018	05/16/2018	08/21/2018
Sample Comment Codes		9456501	9615276	9766887	9911342	9615274	9766888
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	36	30	30	190	73	140
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@2.5	ND@1	0.7 J	ND@2.5	ND@2.5
1,1-DICHLOROETHANE	ug/L	65	58	56	540	110	320
1,1-DICHLOROETHENE	ug/L	1.7 J	2.8 J	2.3	36	5.1	13
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@2.5	ND@1	1.1 J	ND@2.5	0.6 J
1,2-DICHLOROETHANE (EDC)	ug/L	1.2 J	1.1 J	0.9 J	4.1	1.3 J	2.5
BENZENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	ND@2.5
CHLOROETHANE	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	ND@2.5
CIS-1,2-DICHLOROETHENE	ug/L	83	100	89	530	190	370
ETHYLBENZENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	ND@2.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	0.8 J
TETRACHLOROETHENE	ug/L	6.9	7.1	5.8	15	17	20
TOLUENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	ND@2.5
TRANS-1,2-DICHLOROETHENE	ug/L	1.1 J	ND@2.5	0.7 J	2.9	1.3 J	7.7
TRICHLOROETHENE	ug/L	140	270	250	680	430	590
VINYL CHLORIDE	ug/L	1.3 J	ND@2.5	ND@1	1.5 J	ND@2.5	ND@2.5
XYLENES, TOTAL	ug/L	ND@2.5	ND@2.5	ND@1	ND@2.5	ND@2.5	ND@2.5

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Sample Location		EN-433	EN-433	EN-434	EN-434	EN-434	EN-434
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/16/2018	08/21/2018	02/12/2018	05/16/2018	08/21/2018	11/19/2018
Sample Comment Codes		9615278	9766890	9456502	9615280	9766917	9911344
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	600	280	53	220	350	280
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	2.5 J	1.7 J	4.5	8	14
1,1-DICHLOROETHANE	ug/L	1100	620	300	1200	2000	2200
1,1-DICHLOROETHENE	ug/L	140	78	22	52	150	170
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@10	1.6 J	1.1 J	3.8	6.2	7.6
1,2-DICHLOROETHANE (EDC)	ug/L	8 J	4.9 J	1.7 J	3.5	6.9	9.6
BENZENE	ug/L	ND@10	ND@5	ND@2.5	ND@2.5	ND@5	ND@5
CHLOROETHANE	ug/L	ND@10	ND@5	ND@2.5	ND@2.5	0.7 J	ND@5
CIS-1,2-DICHLOROETHENE	ug/L	1600	890	130	230	610	660
ETHYLBENZENE	ug/L	ND@10	ND@5	ND@2.5	ND@2.5	ND@5	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@10	1.4 J	ND@2.5	ND@2.5	ND@5	ND@5
TETRACHLOROETHENE	ug/L	5.4 J	4.4 J	1.6 J	2.5 J	2.1 J	2.9 J
TOLUENE	ug/L	ND@10	ND@5	ND@2.5	ND@2.5	ND@5	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	4.1 J	5.4	0.5 J	0.9 J	2.9 J	2.4 J
TRICHLOROETHENE	ug/L	140	150	68	88	93	170
VINYL CHLORIDE	ug/L	ND@10	6.7	49	76	67	180
XYLENES, TOTAL	ug/L	ND@10	ND@5	ND@2.5	ND@2.5	ND@5	ND@5

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Sample Location		EN-435	EN-435	EN-435	EN-435	EN-436	EN-436
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/12/2018	05/16/2018	08/21/2018	11/19/2018	02/06/2018	05/10/2018
Sample Comment Codes		9456504	9615281	9766892	9911346	9450452	9606868
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	230	66	33	26	0.2 J	0.2 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@2.5	0.1 J	0.2 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	260	140	46	34	0.1 J	ND@0.5
1,1-DICHLOROETHENE	ug/L	62	45	10	7	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@2.5	ND@2.5	ND@1	0.1 J	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	2 J	1.9 J	0.5 J	0.4 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	120	78	29	21	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.8 J	0.7 J	0.6 J	0.4 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.9 J	ND@2.5	0.4 J	0.3 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	390	350	130	94	0.7	1
VINYL CHLORIDE	ug/L	0.9 J	2.4 J	0.7 J	3.2	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@2.5	ND@2.5	ND@1	ND@1	ND@0.5	ND@0.5

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Sample Location		EN-436	EN-436	EN-437	EN-437	EN-437	EN-437
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		08/09/2018	11/08/2018	02/06/2018	05/10/2018	05/10/2018	08/08/2018
Sample Comment Codes		9749852	9893500	9450490	9606866	9606867	9745861
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.3 J	0.6	0.6	0.6	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-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 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.07 J	ND@0.5	0.1 J	0.1 J	0.1 J
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@2.7	0.7	1.1	1	1	0.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-437	EN-438	EN-438	EN-439A	EN-439B	EN-439B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/07/2018	05/10/2018	08/08/2018	11/08/2018	02/05/2018	05/10/2018
Sample Comment Codes		9893491	9606869	9746029	9893502	9450448	9606862
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.3 J	0.3 J	0.4 J	0.6	0.6
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-DICHLOROETHANE	ug/L	ND@0.5	0.3 J	0.3 J	0.09 J	0.3 J	0.2 J
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 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.09 J	0.4 J	0.5	0.09 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	0.8	0.7
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1	0.6	0.7	0.7	0.7	0.6
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-439B	EN-439B	EN-440	EN-440	EN-440	EN-440
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/08/2018	11/08/2018	02/06/2018	05/10/2018	08/08/2018	11/08/2018
Sample Comment Codes		9746024	9893503	9450457	9606863	9746019	9893499
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.7	1	1.1	0.8	0.8	0.9
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	0.1 J
1,1-DICHLOROETHANE	ug/L	0.3 J	0.7	0.3 J	0.3 J	0.3 J	0.3 J
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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.9	0.4 J	0.3 J	0.3 J	0.3 J
ETHYLBENZENE	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	0.7	0.8	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	1.3	1.6	0.7	0.8	0.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-441	EN-441	EN-441	EN-441	EN-442A	EN-442B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/06/2018	05/10/2018	08/08/2018	11/08/2018	11/07/2018	02/06/2018
Sample Comment Codes		9450456	9606864	9746020	9893498	9893455	9450485
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.8	1.1	1.1	1.1	0.08 J	1.3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	1.4	1.1	0.8	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	0.2 J	0.2 J	0.1 J	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 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.3 J	2.6	2.6	1.8	ND@0.5	0.2 J
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	1.8	2.2	3	0.1 J	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-442B	EN-442B	EN-442B	EN-443	EN-443	EN-443
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/10/2018	08/08/2018	11/07/2018	02/05/2018	05/10/2018	08/07/2018
Sample Comment Codes		9606860	9745859	9893456	9450482	9606835	9745845
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.2	1	1	0.7	0.6	0.7
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-DICHLOROETHANE	ug/L	0.1 J	0.1 J	0.1 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	0.1 J	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.4 J	0.5 J	0.2 J	0.2 J	0.1 J
ETHYLBENZENE	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	5.5	5.5	5.7
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.4	1.3	1.3	0.9	1	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-443	EN-443	EN-443	EN-444B	EN-444B	EN-444B
Sample Description		REPLICATE	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	11/20/2018	11/20/2018	02/13/2018	05/09/2018	08/07/2018
Sample Comment Codes		9745846	9911349	9911350	9456510	9606847	9746005
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.5	0.5	0.4 J	0.6	0.6
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-DICHLOROETHANE	ug/L	ND@0.5	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J
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 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.1 J	0.1 J	0.1 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	5.5	2.3	2.3	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1	0.8	0.7	0.7	0.9	0.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-444B	EN-445	EN-445	EN-446B	EN-446B	EN-447B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	05/10/2018	08/08/2018	05/09/2018	08/07/2018	02/06/2018
Sample Comment Codes		9893504	9606861	9746021	9606853	9746006	9450486
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5	ND@0.5 J	ND@0.5 J	0.5	0.3 J	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.1 J	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	0.2 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	ND@0.5 J	ND@0.5 J	0.1 J	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	0.1 J
TOLUENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.1	ND@0.5 J	ND@0.5 J	0.7	0.7	0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-447B	EN-447B	EN-447B	EN-447T	EN-447T	EN-447T
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/14/2018	08/07/2018	11/07/2018	01/04/2018	02/06/2018	03/06/2018
Sample Comment Codes		9615257	9745850	9893490	9395850	9444045	9491543
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.4 J	0.5 J	0.6
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-DICHLOROETHANE	ug/L	0.1 J	0.1 J	0.08 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
BENZENE	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 J
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	0.2 J	0.1 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	0.3 J	0.3 J	0.1 J	1.6	1.6	1.6
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	0.7	0.7	0.8	0.8	0.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5 J	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-447T	EN-447T	EN-447T	EN-447T	EN-447T	EN-447T
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018	09/10/2018
Sample Comment Codes		9540691	9588691	9657680	9687994	9734799	9795768
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.7	0.6	0.6	0.6	0.5	0.6
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-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.09 J
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 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	1.9	1.6	1.5	1.6	1.5	1.4
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-447T	EN-447T	EN-447T	EN-449	EN-449	EN-450
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		10/02/2018	11/06/2018	12/10/2018	05/14/2018	08/16/2018	02/05/2018
Sample Comment Codes		9834491	9887456	9934767	9615254	9761117	9450447
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.6	0.6	1.4	1.3	1.8
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	0.3 J
1,1-DICHLOROETHANE	ug/L	0.09 J	0.1 J	0.09 J	ND@0.5	ND@0.5	0.4 J
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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	0.3 J	ND@0.5	ND@0.5	0.6
ETHYLBENZENE	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	1.3	1.5	1.5	ND@0.5	ND@0.5	3.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	0.7	0.5 J	1.5
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-450	EN-450	EN-450	EN-451	EN-451	EN-451
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/08/2018	08/08/2018	11/19/2018	02/05/2018	05/14/2018	08/08/2018
Sample Comment Codes		9749871	9749872	9911314	9450442	9614996	9749883
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.3	1.2	0.2 J	1.2	0.9	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	0.2 J	ND@0.5	0.2 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	0.2 J	ND@0.5	0.3 J	0.2 J	0.07 J
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 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.8	0.6	0.09 J	0.6	0.4 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	2.6	2.6	0.4 J	1.1	0.9	0.6
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.1	1.8	1.1	1.4	1.4	1
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-451	EN-451P	EN-453	EN-453	EN-454	EN-454
Sample Description		GW MON WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/19/2018	01/04/2018	05/17/2018	08/09/2018	02/06/2018	05/16/2018
Sample Comment Codes		9911313	9395858	9618761	9749899	9450451	9615016
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.7	0.2 J	0.3 J	0.2 J	0.7
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-DICHLOROETHANE	ug/L	ND@0.5	0.3 J	0.2 J	0.2 J	0.1 J	0.4 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.4 J	ND@0.5	0.1 J	ND@0.5	0.5
ETHYLBENZENE	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	0.5 J	0.7	ND@0.5	ND@0.5	0.2 J	0.6
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	ND@2.7	0.9	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-454	EN-454	EN-455	EN-455	EN-455	EN-455
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/08/2018	11/08/2018	02/05/2018	05/17/2018	08/08/2018	11/08/2018
Sample Comment Codes		9746027	9893501	9450449	9618762	9746026	9893505
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5	0.6	0.5 J	0.5	0.4 J	0.6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.06 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.4 J	0.3 J	0.2 J	0.2 J	0.1 J	0.2 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	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 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.4 J	0.2 J	ND@0.5	0.1 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.4 J	0.4 J	0.6 J	0.6	0.7	0.7
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1	0.9	0.8 J	0.8	0.8	1.1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-456	EN-456	EN-456	EN-456	EN-456	EN-457B
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/06/2018	02/06/2018	05/11/2018	08/08/2018	11/07/2018	05/09/2018
Sample Comment Codes		9449932	9449933	9606872	9749843	9893449	9606854
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.6 J	0.5 J	0.4 J	0.5 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.2 J	0.2 J	0.4 J	0.3 J	0.2 J	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	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 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.2 J	0.7 J	0.5	0.3 J	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.4 J	0.4 J	0.5 J	0.5	0.6	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	0.7	0.9 J	0.9	1	0.9
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-457B	EN-458	EN-458	EN-459A	EN-459A	EN-459A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/15/2018	08/10/2018	02/06/2018	05/14/2018	08/09/2018
Sample Comment Codes		9746007	9615269	9749975	9449833	9615252	9749862
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	ND@0.5	ND@0.5	0.2 J	0.2 J	0.1 J
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-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 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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 J	ND@0.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	0.7	0.4 J	0.3 J	0.2 J	ND@2.7
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-459A	EN-459B	EN-459B	EN-459B	EN-459B	EN-460A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/06/2018	02/07/2018	05/21/2018	08/20/2018	11/06/2018	02/06/2018
Sample Comment Codes		9893340	9449835	9627134	9766904	9893341	9449834
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	150	73	65	150	0.6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	1.6 J	0.5 J	0.6	1.3 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	73	35	18	30	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	9.7	4	2.7	5.1	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.6	ND@0.5	0.1 J	ND@2.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	1	0.5 J	0.2 J	0.5 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	22	15	7.2	12	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRICHLOROETHENE	ug/L	0.2 J	25	15	14	21	0.3 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@2.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5

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Sample Location		EN-460A	EN-460A	EN-460A	EN-460B	EN-460B	EN-460B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/14/2018	08/20/2018	11/08/2018	02/08/2018	05/21/2018	08/20/2018
Sample Comment Codes		9615253	9766906	9893342	9449836	9627135	9766905
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.9	0.2 J	0.3 J	1.2	0.5 J	0.7
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.4 J	0.1 J	0.2 J	1.3	1.4	1.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-460B	EN-460C	EN-460C	EN-460C	EN-460C	EN-462
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	02/08/2018	05/21/2018	08/20/2018	11/08/2018	05/14/2018
Sample Comment Codes		9893343	9449837	9627136	9766907	9893344	9615255
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.7	1.4	0.5	0.1 J	0.4 J	0.4 J
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.3	3.6	1.5	0.9	1	0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-462	EN-463	EN-463	EN-464	EN-465	EN-467
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	05/14/2018	08/09/2018	08/10/2018	08/16/2018	08/16/2018
Sample Comment Codes		9749853	9615256	9749854	9749869	9761118	9761119
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.2 J	ND@0.5	0.08 J
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-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 J	ND@0.5 J	ND@0.5 J
BENZENE	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 J	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
ETHYLBENZENE	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	5.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@2.7	0.9	ND@2.7	0.4 J	0.2 J	0.6
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-468	EN-468	EN-470	EN-470	EN-470	EN-470
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/15/2018	08/10/2018	02/05/2018	05/14/2018	08/07/2018	11/07/2018
Sample Comment Codes		9615260	9749868	9450484	9615247	9745838	9893448
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.1 J	0.1 J	0.4 J	0.3 J	0.2 J	0.4 J
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-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 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.05 J	ND@0.5	0.1 J	ND@0.5	0.07 J
ETHYLBENZENE	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	0.6	0.6	0.5 J	1
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	0.5	1.1	1.2	1	1.3
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-471	EN-471	EN-473A	EN-473B	EN-474	EN-474
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/22/2018	08/09/2018	08/09/2018	08/09/2018	05/15/2018	08/10/2018
Sample Comment Codes		9629316	9749898	9749860	9749861	9615270	9749976
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	180	130	ND@1	ND@0.5	0.3 J	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	2.8	3	ND@1	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	480	340	ND@1	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	55	33	ND@1	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.3 J	1.1	ND@1	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	2.2 J	1.7	ND@1 J	0.1 J	ND@0.5	ND@0.5 J
BENZENE	ug/L	ND@2.5	ND@0.5	ND@1	0.08 J	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@2.5	ND@0.5	0.2 J	ND@0.5 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	120	52	ND@1	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@2.5	ND@0.5	ND@1	0.2 J	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@0.5	ND@1	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@2.5	0.3 J	ND@1	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@2.5	ND@0.5	ND@1	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.7 J	0.3 J	ND@1	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	35	19	ND@1	ND@0.5	0.5	0.5
VINYL CHLORIDE	ug/L	1.6 J	0.1 J	ND@1	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@2.5	ND@0.5	0.3 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-475	EN-475	EN-477	EN-477	EN-477	EN-478A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/15/2018	08/10/2018	05/18/2018	08/07/2018	11/06/2018	02/09/2018
Sample Comment Codes		9615271	9749977	9618845	9745929	9893378	9450609
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.6	2	2	2.1	16 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.3 J	0.3 J	0.2 J	ND@0.5 J
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	3.5	3.2	2	0.6 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	1.2	0.9	0.9	0.2 J
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 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	0.07 J	ND@0.5 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	12	11	7.8	1.5 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	3	3.2	3	0.3 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
TRICHLOROETHENE	ug/L	0.7	0.6	11	12	8.2	0.9 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J

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Sample Location		EN-478A	EN-478B	EN-478B	EN-478B	EN-478B	EN-478B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL
Sample Date		11/20/2018	02/09/2018	05/09/2018	05/09/2018	08/08/2018	11/20/2018
Sample Comment Codes		9911316	9450610	9606851	9606852	9746018	9911317
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	1.4	0.8	0.8	0.8	0.7
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-DICHLOROETHANE	ug/L	ND@0.5	0.2 J	0.2 J	0.2 J	0.3 J	0.2 J
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 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.06 J	0.3 J	0.2 J	0.2 J	0.2 J	0.1 J
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.6	1.4	1.3	1.3	0.8	1.3
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-479B	EN-479B	EN-480A	EN-480A	EN-481A	EN-481B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/09/2018	08/07/2018	05/09/2018	08/08/2018	08/08/2018	05/09/2018
Sample Comment Codes		9606848	9746013	9606850	9746017	9746014	9606849
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.4 J	0.2 J	0.1 J	0.1 J	0.7
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	0.1 J	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5 J	ND@0.5 J	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.3 J	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	1.4	0.8 J	0.7 J	0.6	4.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5

Sample Location		EN-481B	EN-481B	EN-482	EN-482	EN-482	EN-482
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/08/2018	08/08/2018	02/09/2018	05/11/2018	08/08/2018	11/19/2018
Sample Comment Codes		9746015	9746016	9450608	9606875	9749849	9911315
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.4 J	47	34	36	37
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.4 J	ND@1	0.2 J	0.2 J
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	75	89	140	93
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	12 J	9	11	7.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.3 J	ND@1	0.4 J	0.4 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	0.6 J	0.6 J	0.7	0.4 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	64	84	87	40
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.8 J	0.5 J	0.6	0.7 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.2 J	0.5 J	0.4 J	0.5 J
TRICHLOROETHENE	ug/L	2.5	2.4	14 J	100	95	82
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	0.1 J	ND@1	0.3 J	ND@1
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@1	ND@0.5	ND@1

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Sample Location		EN-483	EN-484	EN-484	EN-484	EN-484	EN-486
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/02/2018	02/08/2018	05/15/2018	08/08/2018	11/05/2018	05/16/2018
Sample Comment Codes		9738740	9450601	9614999	9749892	9893335	9615014
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.1 J	5.8	2.7	2.5	9.4	360
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1	3.5	0.8	0.1 J	3.5	220
1,1-DICHLOROETHANE	ug/L	0.9	0.3 J	0.3 J	0.2 J	0.3 J	94
1,1-DICHLOROETHENE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	0.2 J	35 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.5	0.3 J	ND@0.5	ND@0.5	1.1	17
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	1 J
CIS-1,2-DICHLOROETHENE	ug/L	24	27 J	12	1.5	32	8.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
TETRACHLOROETHENE	ug/L	ND@0.5	4.9	2.4	2.5	3.9	ND@5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	2.3	0.1 J	ND@0.5	ND@0.5	0.2 J	1.1 J
TRICHLOROETHENE	ug/L	0.9	2.8	1.4	1.4	2.6	14
VINYL CHLORIDE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	1.8	ND@5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5

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Sample Location		EN-486	EN-487	EN-489	EN-490	EN-491A	EN-491A
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	08/02/2018	08/07/2018	11/07/2018	02/06/2018	05/10/2018
Sample Comment Codes		9749960	9738694	9745925	9893457	9450491	9606836
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	330	0.1 J	0.1 J	0.2 J	0.4 J	0.1 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	150	0.5 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	43	ND@0.5	ND@0.5	ND@0.5	0.3 J	0.1 J
1,1-DICHLOROETHENE	ug/L	14	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	12	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	4.7 J	ND@0.5	0.1 J	0.5	1.5	2
ETHYLBENZENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@5	0.1 J	5	1.8	2	1.3
TOLUENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.6 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	6.7	ND@0.5	1.1	1.1	1.7	2.9
VINYL CHLORIDE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.8
XYLENES, TOTAL	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-491A	EN-491A	EN-491T	EN-491T	EN-491T	EN-491T
Sample Description		GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		08/07/2018	11/06/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018
Sample Comment Codes		9745842	9893446	9395849	9444044	9491542	9540690
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.1 J	0.4 J	0.8	0.7	0.7	0.7
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-DICHLOROETHANE	ug/L	0.1 J	0.1 J	0.2 J	0.3 J	0.3 J	0.3 J
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	0.09 J	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
BENZENE	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 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	1.7	0.9	0.7	1.1	1.1	1.2
ETHYLBENZENE	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	1.7	4	3.8	3.2	3.4	3.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.9	2.4	1.2	1.3	1.6	1.8
VINYL CHLORIDE	ug/L	0.1 J	ND@0.5	ND@0.5	0.2 J	0.2 J	0.3 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-491T	EN-491T	EN-491T	EN-491T	EN-491T	EN-491T
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/01/2018	06/11/2018	07/02/2018	08/01/2018	09/10/2018	10/02/2018
Sample Comment Codes		9588690	9657679	9687993	9734798	9795767	9834490
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.6	0.5 J	0.5 J	0.4 J	0.4 J	0.3 J
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-DICHLOROETHANE	ug/L	0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.1 J
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 J	ND@0.5 J
BENZENE	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 J
CIS-1,2-DICHLOROETHENE	ug/L	1.2	1.1	1.4	1.2	0.8	0.9
ETHYLBENZENE	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	3	3	3.2	3	3.7	3.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.2	2.2	2.2	2.1	1.8	1.7
VINYL CHLORIDE	ug/L	0.2 J	0.2 J	0.1 J	0.1 J	ND@0.5	ND@0.5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-491T	EN-491T	EN-493	EN-493	EN-493	EN-493
Sample Description		GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/06/2018	12/10/2018	02/05/2018	05/14/2018	08/08/2018	11/08/2018
Sample Comment Codes		9887455	9934766	9450443	9614994	9749885	9894213
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.5	1.3	0.9	0.4 J	0.2 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	0.08 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.2 J	0.2 J	0.2 J	0.1 J	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	0.07 J	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 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	1	1.1	0.4 J	0.3 J	0.06 J	ND@0.5
ETHYLBENZENE	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	4.8	5.5	2.9	3.1	2.7	2.4
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.8	1.9	1.1	1.3	1.3	0.9
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-493	EN-494	EN-494	EN-495	EN-495	EN-496
Sample Description		REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	05/14/2018	08/08/2018	05/14/2018	08/08/2018	02/05/2018
Sample Comment Codes		9894214	9614993	9749886	9614992	9749887	9450444
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	1.2	0.5 J	1.2	0.5	1.3
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.2 J	0.08 J	0.2 J	0.1 J	0.2 J
1,1-DICHLOROETHANE	ug/L	ND@0.5	0.2 J	ND@0.5	0.3 J	0.1 J	0.3 J
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 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.4 J	0.1 J	0.6	0.2 J	0.7
ETHYLBENZENE	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	2.4	2.9	1.7	2.4	1.3	2
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	1.6	1	1.4	1.2	1.4
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		EN-496	EN-496	EN-496	EN-496	EN-497	EN-497
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/14/2018	05/14/2018	08/08/2018	11/08/2018	05/14/2018	08/08/2018
Sample Comment Codes		9614990	9614991	9749888	9894215	9614989	9749889
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.1	1.1	0.7	0.6	1.1	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	ND@0.5	0.1 J	0.08 J	0.3 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	0.3 J	0.1 J	0.08 J	0.2 J	0.08 J
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 J	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.6	0.3 J	0.2 J	0.5	0.2 J
ETHYLBENZENE	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	2.4	2.3	1.5	1.1	2.2	0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.4	1.4	1.1	1	1.5	0.9
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-498	EN-498	EN-498	EN-498	EN-499A	EN-499B
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/05/2018	05/14/2018	08/08/2018	11/08/2018	11/08/2018	02/13/2018
Sample Comment Codes		9450445	9614987	9749890	9894216	9893494	9456509
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5 J	0.4 J	0.6	0.5	0.09 J	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.1 J	0.06 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.4 J	0.2 J	0.3 J	0.2 J	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 J	ND@0.5	ND@0.5	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.6	0.4 J	0.5 J	0.4 J	ND@0.5	0.1 J
ETHYLBENZENE	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	0.8	0.5 J	0.4 J	0.3 J	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.5	1.4	1.4	1.4	0.5	0.7
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-499B	EN-499B	EN-499B	EN-500B	EN-500B	EN-501
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/09/2018	08/07/2018	11/08/2018	05/09/2018	08/07/2018	05/09/2018
Sample Comment Codes		9606857	9746011	9893495	9606856	9746010	9606855
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.6	0.4 J	0.3 J
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-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.07 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 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.1 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	0.7	0.9	0.7	0.6	0.4 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-501	EN-502	EN-502	EN-503	EN-503	EN-503
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/14/2018	08/08/2018	02/05/2018	05/14/2018	08/08/2018
Sample Comment Codes		9746009	9614995	9749884	9450441	9614997	9749882
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.2 J	0.2 J	0.4 J	0.4 J	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.07 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	0.2 J
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 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.4 J	0.3 J
ETHYLBENZENE	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	6.7	8.3	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.5 J	2.2	1.9	1.1	1.6	1
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-503	EN-505	EN-505	EN-505	EN-505	EN-505
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	02/06/2018	05/11/2018	05/11/2018	08/07/2018	11/06/2018
Sample Comment Codes		9894218	9449919	9606837	9606838	9745852	9893417
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	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-DICHLOROETHANE	ug/L	0.1 J	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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.2 J	0.7	0.4 J	0.4 J	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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	0.3 J	0.2 J	0.2 J	0.2 J	0.3 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1	1.6	1.3	1.3	1	0.8
VINYL CHLORIDE	ug/L	ND@0.5	0.1 J	0.2 J	0.3 J	0.1 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-506	EN-506	EN-506	EN-506	EN-506	EN-507
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/06/2018	02/06/2018	05/11/2018	08/07/2018	11/06/2018	05/15/2018
Sample Comment Codes		9449920	9449921	9606839	9745847	9893418	9615009
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.2 J	ND@0.5	ND@0.5	0.08 J	2600
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@25
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	5100
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	64 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	26
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	9.2 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	3700
CIS-1,2-DICHLOROETHENE	ug/L	1	1	0.8	0.4 J	1	250
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	730
TETRACHLOROETHENE	ug/L	0.4 J	0.4 J	0.5 J	0.4 J	0.7	10 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	200
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25
TRICHLOROETHENE	ug/L	1.1	1.1	1.4	0.9	1.4	12 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	0.1 J	50
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25

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Sample Location		EN-507	EN-508	EN-508	EN-508	EN-509	EN-509
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	05/21/2018	08/09/2018	11/06/2018	02/12/2018	05/21/2018
Sample Comment Codes		9749959	9629302	9749964	9893320	9456515	9629299
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	22	290	130	2700	8.7	29
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.1 J	3.5	0.8 J	15 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	22	97	18	460	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	0.4 J	37	4.8	57	0.1 J	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.08 J	1.6 J	ND@2.5 J	7 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	2.6	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	6.8	60	6	150	0.2 J	0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.8	ND@2.5	ND@2.5	13 J	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.8	2.4 J	1.5 J	13 J	0.3 J	0.6
TOLUENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.6 J	ND@2.5	ND@25	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	18	97	34	220	2.1	7.1
VINYL CHLORIDE	ug/L	0.1 J	8.3	ND@2.5	ND@25	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@25	ND@0.5	ND@0.5

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Sample Location		EN-509	EN-509	EN-511	EN-513	EN-513	EN-514
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	11/06/2018	08/08/2018	05/14/2018	08/07/2018	05/14/2018
Sample Comment Codes		9749966	9893322	9749879	9615250	9745856	9615248
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	29	31	0.09 J	0.5 J	0.5	0.3 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.1 J	0.2 J	0.07 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	0.3 J	0.3 J	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 J	0.09 J	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.7	0.8	ND@0.5	ND@0.5	ND@0.5	0.1 J
ETHYLBENZENE	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	1.4	1.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	14	13	0.7	0.3 J	0.3 J	1.2
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-514	EN-515	EN-515	EN-516	EN-516	EN-520
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/14/2018	08/07/2018	05/16/2018	08/08/2018	08/07/2018
Sample Comment Codes		9745854	9615251	9745855	9615284	9745858	9745927
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.5 J	0.5 J	0.4 J	0.8	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-DICHLOROETHANE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	0.3 J	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 J	ND@0.5	ND@0.5 J	ND@0.5 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.6
ETHYLBENZENE	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	9.3
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.2	0.4 J	0.5	0.4 J	0.4 J	2.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-521	EN-522	EN-522	EN-522	EN-522	EN-524
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	02/08/2018	05/15/2018	08/09/2018	11/05/2018	08/07/2018
Sample Comment Codes		9745923	9450602	9615000	9749953	9893336	9746008
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.1 J	63	55	14	19	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5 J	400	68	0.4 J	14	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5 J	7.6 J	ND@25	0.7	13	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5 J	19 J	ND@25	ND@0.5	0.5 J	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5 J	13 J	ND@25	0.2 J	17	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@25	ND@25	0.06 J	0.06 J	ND@0.5 J
BENZENE	ug/L	ND@0.5 J	ND@25	ND@25	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5 J	ND@25	ND@25	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5 J	5700	1700	7.5	200	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5 J	25 J	11 J	ND@0.5	1	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5 J	ND@25	ND@25	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.6 J	150	74	3.7	15	ND@0.5
TOLUENE	ug/L	ND@0.5 J	ND@25	ND@25	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5 J	ND@25	ND@25	ND@0.5	0.2 J	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5 J	41	14 J	6.3	4.7	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5 J	180	59	0.2 J	8.3	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5 J	15 J	ND@25	ND@0.5	2.4	ND@0.5

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Sample Location		EN-525	EN-525	EN-526	EN-526	EN-526	EN-526
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/09/2018	11/19/2018	02/06/2018	05/11/2018	08/09/2018	11/19/2018
Sample Comment Codes		9749894	9911337	9449841	9606870	9749895	9911338
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.7	16	7.5	8.3	11
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	0.1 J	18	48	34	34
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	73	150	160	130
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	35	110	91	77
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	7.2	18	16	12
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	1.5	3.3	3.4 J	3.1 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@5	ND@5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5 J	ND@2.5	ND@5	ND@5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	120	360	380	290
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@5	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@5	ND@5
TETRACHLOROETHENE	ug/L	1.1	3.3	6	1.5 J	1.5 J	3.8 J
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@5	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	1.1	3.7	5	2.5 J
TRICHLOROETHENE	ug/L	ND@2.7	5.6	170	720	790	380
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	1.4	3.4	1.9 J	1.2 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@5	ND@5

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Sample Location		EN-527	EN-527	EN-528	EN-528	EN-529	EN-529
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/22/2018	08/20/2018	05/22/2018	08/20/2018	05/11/2018	08/08/2018
Sample Comment Codes		9629310	9766882	9629309	9766883	9606876	9746028
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.4 J
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 J	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.6
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	0.2 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J
BENZENE	ug/L	2.6	2.5	ND@0.5	0.09 J	ND@0.5 J	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5 J
CIS-1,2-DICHLOROETHENE	ug/L	6.2	4.2	ND@0.5	0.06 J	0.3 J	1.5
ETHYLBENZENE	ug/L	0.2 J	0.1 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	0.1 J	ND@0.5	0.1 J	ND@0.5 J	ND@0.5
TOLUENE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.8	0.6	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
TRICHLOROETHENE	ug/L	0.3 J	0.2 J	ND@0.5	ND@0.5	0.2 J	0.4 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5
XYLENES, TOTAL	ug/L	1	0.7	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5

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Sample Location		EN-532	EN-532	EN-533	EN-533	EN-533	EN-533
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL
Sample Date		05/16/2018	08/08/2018	02/08/2018	02/08/2018	05/15/2018	08/08/2018
Sample Comment Codes		9615018	9749880	9450599	9450600	9614998	9749893
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	0.2 J	26	27	1.4 J	12
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5 J	ND@0.5	45	50	3 J	25
1,1-DICHLOROETHANE	ug/L	0.2 J	0.2 J	7 J	7.5 J	1.6 J	2.8
1,1-DICHLOROETHENE	ug/L	ND@0.5 J	ND@0.5	5.1 J	4.7 J	0.3 J	0.7
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5 J	ND@0.5	8.5 J	9.5 J	0.9 J	3
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5 J	ND@10	ND@10	ND@1 J	ND@0.5 J
BENZENE	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	ND@1 J	ND@0.5
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	ND@1 J	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.07 J	1600	1600	170	280
ETHYLBENZENE	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	1 J	0.3 J
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	ND@1 J	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5 J	ND@0.5	140	150	5.5 J	15
TOLUENE	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	ND@1 J	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5 J	ND@0.5	2.8 J	3.1 J	0.3 J	0.5
TRICHLOROETHENE	ug/L	0.8 J	0.5 J	29	29	2.1 J	4.1
VINYL CHLORIDE	ug/L	ND@0.5 J	ND@0.5	79	85	16	4.8
XYLENES, TOTAL	ug/L	ND@0.5 J	ND@0.5	ND@10	ND@10	ND@1 J	0.1 J

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Sample Location		EN-533	EN-534	EN-534	EN-534	EN-534	EN-606
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		11/08/2018	02/06/2018	05/17/2018	08/08/2018	11/20/2018	08/06/2018
Sample Comment Codes		9894204	9450450	9618760	9749870	9911318	9746083
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	5.5	1.2	1	1.5	1.9	0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	11	ND@0.5	ND@0.5	0.2 J	0.3 J	620
1,1-DICHLOROETHANE	ug/L	0.9 J	0.2 J	0.2 J	0.4 J	0.4 J	1.5
1,1-DICHLOROETHENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	2.9
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	14
1,2-DICHLOROETHANE (EDC)	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5
BENZENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@5	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	1.1
CIS-1,2-DICHLOROETHENE	ug/L	190	0.3 J	ND@0.5	0.8	0.6	2.8
ETHYLBENZENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	9.9	1.6	1.7	2	2.2	ND@0.5
TOLUENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J
TRICHLOROETHENE	ug/L	2 J	0.8	1	1.4	1.7	0.9
VINYL CHLORIDE	ug/L	2.9 J	ND@0.5	ND@0.5	ND@0.5 J	ND@0.5	0.4 J
XYLENES, TOTAL	ug/L	ND@5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-616	EN-617	EN-623	EN-623	EN-624	EN-624
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	08/06/2018	05/22/2018	08/16/2018	05/17/2018	08/03/2018
Sample Comment Codes		9746080	9746081	9627145	9761169	9618751	9738676
Parameter	**Units**						
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	3.6	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.2 J	0.7	0.5 J	0.7	0.4 J	0.6
1,1-DICHLOROETHENE	ug/L	0.2 J	ND@0.5	ND@0.5	0.08 J	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	6.2	0.3 J	0.4 J	0.8	1.9	2.8
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.1 J	0.1 J
CHLOROETHANE	ug/L	ND@0.5	0.1 J	ND@0.5	0.2 J	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.8	11	0.3 J	0.4 J	ND@0.5	0.4 J
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.2 J	ND@0.5	0.06 J	0.4 J	0.5 J
TRICHLOROETHENE	ug/L	22	8.7	ND@0.5	0.1 J	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	0.2 J	0.8	ND@0.5 J	0.1 J	0.4 J	0.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-632	EN-638	EN-641	EN-642	EN-651	EN-651
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/03/2018	08/03/2018	08/03/2018	08/03/2018	05/17/2018	08/02/2018
Sample Comment Codes		9738678	9738674	9738667	9738673	9618754	9738652
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.1 J	ND@0.5	ND@0.5	1.4	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	35	ND@0.5	ND@0.5	0.6	0.2 J	0.2 J
1,1-DICHLOROETHANE	ug/L	1	ND@0.5	1.2	0.9	0.6	0.5
1,1-DICHLOROETHENE	ug/L	0.2 J	ND@0.5	ND@0.5	0.9	0.3 J	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	6.1	ND@0.5	0.8	0.9	1.2	1.2
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	0.1 J	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
CIS-1,2-DICHLOROETHENE	ug/L	1.2	ND@0.5	54	12	20	18
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.4 J	ND@0.5	5.7	0.3 J	0.2 J	0.2 J
TRICHLOROETHENE	ug/L	0.4 J	ND@0.5	7.3	40	13	17
VINYL CHLORIDE	ug/L	0.3 J	ND@0.5	0.2 J	0.7	0.3 J	0.2 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-652	EN-653	EN-653	EN-655	EN-679	EN-679
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/03/2018	05/17/2018	08/02/2018	08/03/2018	05/17/2018	08/02/2018
Sample Comment Codes		9738663	9618755	9738653	9738665	9618757	9738746
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.2 J	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	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	0.9	ND@0.5	ND@0.5	0.6	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
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	0.1 J	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	0.1 J	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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	2.5	0.3 J	0.4 J
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-684A	EN-687	EN-687	EN-692	EN-694	EN-696
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/02/2018	05/17/2018	08/02/2018	08/03/2018	08/03/2018	08/03/2018
Sample Comment Codes		9738648	9618758	9738646	9738680	9738666	9738662
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	0.2 J	0.3 J	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	7.7	ND@0.5	0.3 J	0.3 J	0.2 J	24
1,1-DICHLOROETHANE	ug/L	ND@0.5	0.5 J	0.5	2.2	0.3 J	12
1,1-DICHLOROETHENE	ug/L	0.4 J	ND@0.5	ND@0.5	0.4 J	ND@0.5	1.1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4	0.3 J	0.3 J	12	0.5 J	7.6
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	57	0.7	0.6	1.4	0.1 J	0.8
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.5 J	ND@0.5	ND@0.5	0.3 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.9	5.2	6.3	0.9	1.2	ND@0.5
VINYL CHLORIDE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-698	EN-700	EN-700	EN-700	EN-700	EN-700
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE
Sample Date		08/03/2018	02/09/2018	05/16/2018	08/02/2018	11/08/2018	11/08/2018
Sample Comment Codes		9738661	9450615	9618745	9738657	9894226	9894227
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.2 J	ND@50	ND@50	ND@50	ND@50	ND@50
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	16	7200	6900	5200	3000	2600
1,1-DICHLOROETHANE	ug/L	0.3 J	ND@50	ND@50	ND@50	ND@50	ND@50
1,1-DICHLOROETHENE	ug/L	0.1 J	ND@50	20 J	17 J	11 J	ND@50
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	2.1	1400	1600	1100	720	650
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
BENZENE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
CHLOROETHANE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
CIS-1,2-DICHLOROETHENE	ug/L	0.5	ND@50	ND@50	ND@50	ND@50	ND@50
ETHYLBENZENE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
TETRACHLOROETHENE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
TOLUENE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
TRICHLOROETHENE	ug/L	2.1	ND@50	ND@50	ND@50	ND@50	ND@50
VINYL CHLORIDE	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50
XYLENES, TOTAL	ug/L	ND@0.5	ND@50	ND@50	ND@50	ND@50	ND@50

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Sample Location		EN-701	EN-701	EN-701	EN-701	EN-702	EN-704
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/09/2018	05/16/2018	08/02/2018	11/08/2018	08/02/2018	02/09/2018
Sample Comment Codes		9450616	9618746	9738658	9894228	9738651	9450612
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	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	260	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.8 J	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	16	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.2 J	0.1 J	0.2 J	ND@2.5	2.2
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5
TRICHLOROETHENE	ug/L	0.5	1	0.8	0.9	ND@2.5	2.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	0.2 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5	ND@0.5

Groundwater Analytical Chemistry Data
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Sample Location		EN-704	EN-704	EN-704	EN-704	EN-704	EN-705
Sample Description		REPLICATE	GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		02/09/2018	05/16/2018	05/16/2018	08/02/2018	11/08/2018	02/09/2018
Sample Comment Codes		9450613	9618743	9618744	9738655	9894229	9450614
Parameter	**Units**						
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-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	0.2 J	0.2 J	0.2 J	0.2 J	0.2 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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	2.2	2.6	2.6	2.4	1.2	1
ETHYLBENZENE	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	0.8
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	2.8	2.7	2.8	2.8	1.6	1.9
VINYL CHLORIDE	ug/L	0.2 J	0.1 J	0.1 J	0.2 J	0.2 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	0.3 J	ND@0.5	ND@0.5

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Sample Location		EN-705	EN-705	EN-705	EN-709	EN-709	EN-709
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		05/16/2018	08/02/2018	11/08/2018	01/04/2018	02/06/2018	03/06/2018
Sample Comment Codes		9618742	9738656	9894230	9395863	9444056	9491554
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	1.1 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	180	340	440
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	1.7	2	2 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	1.3	ND@0.5	1.6 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	0.09 J	30	42	45
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5 J
CIS-1,2-DICHLOROETHENE	ug/L	1.1	1.3	1.2	4.8	5.2	4.6 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
TETRACHLOROETHENE	ug/L	0.4 J	0.5	0.5 J	ND@0.5	ND@0.5	ND@5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	ND@5
TRICHLOROETHENE	ug/L	0.7	1	0.8	20	21	17
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	ND@5 J
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@5

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Sample Location		EN-709	EN-709	EN-709	EN-709	EN-709	EN-709
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		04/03/2018	05/01/2018	06/11/2018	07/02/2018	08/01/2018	09/10/2018
Sample Comment Codes		9540701	9588701	9657688	9688001	9734806	9795775
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	430	290	270	270	190	250
1,1-DICHLOROETHANE	ug/L	2.3	1.8 J	1.8 J	1.9 J	1.8 J	1.6 J
1,1-DICHLOROETHENE	ug/L	2.3	1.2 J	1.1 J	1.1 J	1 J	1.1 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	53	43	41	39	34	37
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5 J
BENZENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
CHLOROETHANE	ug/L	0.3 J	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
CIS-1,2-DICHLOROETHENE	ug/L	5.1	4.3	4.2	4.4	4.8	3.1
ETHYLBENZENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
TOLUENE	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.2 J	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
TRICHLOROETHENE	ug/L	19	17	17	17	17	16
VINYL CHLORIDE	ug/L	0.2 J	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5	ND@2.5

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Sample Location		EN-709	EN-709	EN-709	EN-710	EN-710	EN-711
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		10/02/2018	11/06/2018	12/10/2018	05/17/2018	08/06/2018	08/06/2018
Sample Comment Codes		9834498	9887463	9934774	9618753	9746087	9746075
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@2.5 J	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	170	220	130	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	1.8 J	1.7 J	1.5 J	0.3 J	0.3 J	ND@0.5
1,1-DICHLOROETHENE	ug/L	1 J	1 J	0.6 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	37	31	23	3.7	3.7	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@2.5 J	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@2.5	ND@2.5	ND@2.5	0.2 J	0.4 J	ND@0.5
CHLOROETHANE	ug/L	ND@2.5 J	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	4	4.5	4.1	ND@0.5	0.2 J	0.2 J
ETHYLBENZENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@2.5	ND@2.5	ND@2.5	ND@0.5	ND@0.5	0.3 J
TRICHLOROETHENE	ug/L	16	18	17	0.2 J	0.1 J	ND@0.5
VINYL CHLORIDE	ug/L	ND@2.5 J	ND@2.5	ND@2.5	ND@0.5	ND@0.5	0.1 J
XYLENES, TOTAL	ug/L	ND@2.5	ND@2.5	0.5 J	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-712	EN-712	EN-713	EN-714	EN-715	EN-716
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/17/2018	08/06/2018	08/06/2018	08/02/2018	08/03/2018	08/02/2018
Sample Comment Codes		9618763	9746076	9746077	9738647	9738669	9738650
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5 J	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 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	1.7 J	1.1	0.2 J	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5 J	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	1.5 J	1.3	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	24 J	79	0.1 J	ND@0.5	1.1	2
ETHYLBENZENE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	1 J	1.4	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.5 J	1	0.3 J	ND@0.5	5.9	3.7
VINYL CHLORIDE	ug/L	9.2 J	23	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-717	EN-718	EN-719	EN-720	EN-721	EN-721
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/03/2018	08/03/2018	08/03/2018	08/03/2018	05/22/2018	08/06/2018
Sample Comment Codes		9738668	9738670	9738671	9738672	9629315	9746082
Parameter	**Units**						
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	ND@0.5	ND@0.5	6.5	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	0.4 J	ND@0.5	ND@0.5	2	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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	0.4 J	ND@0.5	ND@0.5	1.9	1.3	1.9
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	21	0.6	0.9	23	1.6	1.8
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-722	EN-722	EN-723	EN-723	EN-724	EN-724
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/17/2018	08/03/2018	05/17/2018	08/03/2018	05/17/2018	08/06/2018
Sample Comment Codes		9618752	9738675	9618750	9738677	9618748	9746084
Parameter	**Units**						
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	2.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	0.3 J	0.3 J	2.1	2.3	0.2 J	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.4 J	0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.7	0.7	4.5	5	10	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
BENZENE	ug/L	0.2 J	0.2 J	0.4 J	0.4 J	0.2 J	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.4 J	8	9.7	0.6	ND@0.5
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.3 J	2.7	3.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	0.2 J	0.1 J	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	0.2 J	0.2 J	4.3	6	0.3 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-724	EN-725	EN-725	EN-726	EN-727	EN-D02
Sample Description		REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/06/2018	05/17/2018	08/06/2018	08/02/2018	08/02/2018	08/07/2018
Sample Comment Codes		9746085	9618749	9746086	9738748	9738654	9745916
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@2.5 J	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	280	77	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@2.5 J	0.4 J	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	11 J	2.6	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J
BENZENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@2.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-D03	EN-D04S	EN-D10	EN-D10	EN-D11	EN-D11
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	08/07/2018	05/24/2018	08/07/2018	05/24/2018	08/07/2018
Sample Comment Codes		9745912	9745915	9629644	9746103	9629643	9745919
Parameter	**Units**						
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-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 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5 J	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
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-D13	EN-D13	EN-D13	EN-D14	EN-D33	EN-D33
Sample Description		GW MON WELL	REPLICATE	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		05/24/2018	05/24/2018	08/02/2018	08/02/2018	05/24/2018	08/07/2018
Sample Comment Codes		9629629	9629630	9738744	9738745	9629627	9745909
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	14 J	10
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	13	13	17	24	ND@25	ND@10
1,1-DICHLOROETHANE	ug/L	3.1	3	3.2	5.7	55	54
1,1-DICHLOROETHENE	ug/L	0.3 J	0.3 J	0.3 J	0.9	36	27
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	9.9	9.9	12	12	ND@25	ND@10
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	2.2 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.5	14 J	15
CIS-1,2-DICHLOROETHENE	ug/L	25	25	20	32	1400	1500
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	10
TRICHLOROETHENE	ug/L	3.9	3.8	3.8	7.4	17 J	31
VINYL CHLORIDE	ug/L	5.9	5.9	7.3	ND@0.5	70	63
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@25	ND@10

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Sample Location		EN-D34	EN-D35	EN-D35	EN-D36	EN-D36	EN-D37
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/24/2018	08/07/2018	05/24/2018	08/07/2018	05/24/2018
Sample Comment Codes		9745910	9629635	9745901	9629636	9745904	9629633
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	1.1
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	4.1
1,1-DICHLOROETHANE	ug/L	0.7	ND@0.5	ND@0.5	ND@0.5	ND@0.5	10
1,1-DICHLOROETHENE	ug/L	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	3.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	9
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	0.2 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.6	0.4 J	0.2 J
CHLOROETHANE	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	22	ND@0.5	ND@0.5	ND@0.5	ND@0.5	130
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.6
TRICHLOROETHENE	ug/L	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	3.5
VINYL CHLORIDE	ug/L	4.8	ND@0.5	ND@0.5	ND@0.5	ND@0.5	5.7
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-D37	EN-D38	EN-D38	EN-D39	EN-D39	EN-D40
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/24/2018	08/07/2018	05/24/2018	08/07/2018	05/24/2018
Sample Comment Codes		9745903	9629625	9745928	9629639	9745917	9629642
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1	0.7	0.2 J	0.4 J	0.3 J	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	4.6	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	11	6.7	4	7.1	6.4	3.1
1,1-DICHLOROETHENE	ug/L	3.9	0.5	0.4 J	1.2	1.2	0.3 J
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	9.8	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.2 J	ND@0.5	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5
BENZENE	ug/L	0.3 J	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
CIS-1,2-DICHLOROETHENE	ug/L	130	100	78	130	120	12
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.5 J	0.4 J	0.3 J	0.2 J	0.2 J	ND@0.5
TRICHLOROETHENE	ug/L	3.6	2	1.6	1.6	1.2	1.2
VINYL CHLORIDE	ug/L	8	12	7.9	14	14	0.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-D40	EN-D41	EN-D41	EN-D41	EN-D42	EN-D42
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/24/2018	08/07/2018	08/07/2018	05/24/2018	08/07/2018
Sample Comment Codes		9745918	9629632	9745902	9745914	9629634	9745905
Parameter	**Units**						
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	0.4 J	0.3 J
1,1-DICHLOROETHANE	ug/L	2.4	ND@0.5	ND@0.5	ND@0.5	5	4.9
1,1-DICHLOROETHENE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	0.7	0.6
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	2.4	2.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@0.5	ND@0.5 J	ND@0.5 J	ND@0.5	ND@0.5 J
BENZENE	ug/L	ND@0.5	0.1 J	0.1 J	ND@0.5	0.1 J	0.2 J
CHLOROETHANE	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	9.5	ND@0.5	ND@0.5	ND@0.5	24	22
ETHYLBENZENE	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J
TRICHLOROETHENE	ug/L	0.9	ND@0.5	ND@0.5	ND@0.5	2.8	2.7
VINYL CHLORIDE	ug/L	0.8	ND@0.5	ND@0.5	ND@0.5	13	14
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EN-D43	EN-D43	EN-D44	EN-D44	EN-D44	EN-D45
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	REPLICATE	GW MON WELL
Sample Date		05/24/2018	08/07/2018	05/24/2018	08/07/2018	08/07/2018	05/24/2018
Sample Comment Codes		9629637	9745907	9629641	9745921	9745922	9629640
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	17	16	13	1.8
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	92	91	81	16
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	21	23	19	1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5 J	1.9 J	2.1 J	ND@10 J	0.1 J
BENZENE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	0.2 J
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	27	27	28	5
CIS-1,2-DICHLOROETHENE	ug/L	0.5	0.7	1300	1300	1300	120
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	5 J	ND@10	ND@10	0.4 J
TRICHLOROETHENE	ug/L	ND@0.5	0.1 J	210	140	120	1.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	100	100	98	17
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@5	ND@10	ND@10	ND@0.5

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Sample Location		EN-D45	EN-D46	EN-D46	EN-D47	EN-D47	EN-D48
Sample Description		GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL	GW MON WELL
Sample Date		08/07/2018	05/24/2018	08/07/2018	05/24/2018	08/07/2018	05/24/2018
Sample Comment Codes		9745920	9629638	9745908	9629628	9745911	9629631
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	1.5	110	96	81	75	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@10	ND@13	11 J	ND@10	ND@0.5
1,1-DICHLOROETHANE	ug/L	19	99	94	92	88	ND@0.5
1,1-DICHLOROETHENE	ug/L	1.4	70	60	69	58	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.1 J	3.1 J	ND@13 J	ND@25	3.1 J	ND@0.5
BENZENE	ug/L	0.2 J	ND@10	ND@13	ND@25	ND@10	ND@0.5
CHLOROETHANE	ug/L	8.2	6.1 J	6.9 J	13 J	13	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	170	2500	2700	2300	2200	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	5.9 J	17	ND@25	13	ND@0.5
TRICHLOROETHENE	ug/L	1.4	82	87	110	660	ND@0.5
VINYL CHLORIDE	ug/L	28	100	100	40	39	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@10	ND@13	ND@25	ND@10	ND@0.5

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Sample Location		EN-D48	EN-D49	EN-D49	EN-D49	EN-D49	EN-D49
Sample Description		GW MON WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		08/07/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018
Sample Comment Codes		9745906	9395848	9444043	9491541	9540689	9588689
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@2.5	0.4 J	0.4 J	0.5 J	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@2.5	0.5 J	ND@1	0.4 J	ND@1
1,1-DICHLOROETHANE	ug/L	ND@0.5	4.3	4.1	3.8	4.6	4.3
1,1-DICHLOROETHENE	ug/L	ND@0.5	2.7	3.5	2.7	3	2.3
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@0.5	ND@2.5	0.6	0.4 J	0.6 J	0.4 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5 J	ND@2.5	0.1 J	ND@1	ND@1	ND@1
BENZENE	ug/L	0.1 J	ND@2.5	ND@0.5	ND@1	ND@1	ND@1
CHLOROETHANE	ug/L	ND@0.5	1.6 J	1.5	1.1 J	1.6	1.3
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	160	140	150	190	160
ETHYLBENZENE	ug/L	ND@0.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@1
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@1
TETRACHLOROETHENE	ug/L	ND@0.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@1
TOLUENE	ug/L	ND@0.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@1
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.9 J	0.3 J	1 J	0.9 J	1.3
TRICHLOROETHENE	ug/L	ND@0.5	1 J	1.1	0.9 J	1.1	1.1
VINYL CHLORIDE	ug/L	ND@0.5	46	41 J	36 J	58	38
XYLENES, TOTAL	ug/L	ND@0.5	ND@2.5	ND@0.5	ND@1	ND@1	ND@1

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Sample Location		EN-D49	EN-D49	EN-D49	EN-D49	EN-D49	EN-D49
Sample Description		GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL	GW EXTR WELL
Sample Date		06/11/2018	07/02/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018
Sample Comment Codes		9657678	9687992	9734797	9795766	9834489	9887454
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.4 J	0.4 J	0.4 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@1	0.4 J	ND@1	0.3 J	0.6	0.6
1,1-DICHLOROETHANE	ug/L	4.4	4.7	4.4	3.9	5	4.6
1,1-DICHLOROETHENE	ug/L	2.7	3.3	2.7	2.5	3.7	3.8
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.6 J	0.5 J	0.5 J	0.7	0.7
1,2-DICHLOROETHANE (EDC)	ug/L	ND@1	0.2 J	ND@1	0.2 J	0.2 J	0.2 J
BENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	1.3	1.4	1.4	1.3	1.2 J	1.2
CIS-1,2-DICHLOROETHENE	ug/L	180	190	170	160	170	170
ETHYLBENZENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.4 J	ND@1	ND@1	ND@1	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.7 J	0.5 J	0.8 J	1.3	0.5 J	0.4 J
TRICHLOROETHENE	ug/L	1.1	1.2	1.1	0.9 J	1.1	1
VINYL CHLORIDE	ug/L	42	49	40	43	38 J	45
XYLENES, TOTAL	ug/L	ND@1	ND@1	ND@1	ND@1	ND@0.5	ND@0.5

Groundwater Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location	EN-D49
Sample Description	GW EXTR WELL
Sample Date	12/10/2018
Sample Comment Codes	9934765

Parameter	**Units**		
1,1,1-TRICHLOROETHANE	ug/L	0.2	J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3	J
1,1-DICHLOROETHANE	ug/L	3.5	
1,1-DICHLOROETHENE	ug/L	3	
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5	J
1,2-DICHLOROETHANE (EDC)	ug/L	0.2	J
BENZENE	ug/L	ND@1	
CHLOROETHANE	ug/L	1.2	
CIS-1,2-DICHLOROETHENE	ug/L	180	
ETHYLBENZENE	ug/L	ND@1	
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@1	
TETRACHLOROETHENE	ug/L	ND@1	
TOLUENE	ug/L	ND@1	
TRANS-1,2-DICHLOROETHENE	ug/L	0.9	J
TRICHLOROETHENE	ug/L	1.2	
VINYL CHLORIDE	ug/L	50	
XYLENES, TOTAL	ug/L	ND@1	

Reporting Conventions

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

Code	**Explanation**
J	Estimated value. The result has been qualified for one of the following reasons: (1) It is greater than the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ). (2) It exceeds that calibration range of the analytical instrument. (3) There is an underlying data validation issue.

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018
Laboratory Sample I.D.		9395885	9444016	9491568	9540673	9588662	9657664
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2,2-TETRACHLOROETHANE	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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	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
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018
Laboratory Sample I.D.		9395885	9444016	9491568	9540673	9588662	9657664
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	ND@0.10	0.13	0.25	0.23	0.26	0.27

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		07/02/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018
Laboratory Sample I.D.		9687891	9734867	9795710	9834510	9887491	9934840
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2,2-TETRACHLOROETHANE	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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.07 J
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT	1M EFFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		07/02/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018
Laboratory Sample I.D.		9687891	9734867	9795710	9834510	9887491	9934840
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	ND@0.10	ND@0.10	ND@0.10	ND@0.10	NA	NA

Sample Location		1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018
Laboratory Sample I.D.		9395883	9444014	9491566	9540671	9588660	9657662
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	3.3	5	7.6	12	12	9.1
1,1,2,2-TETRACHLOROETHANE	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	0.3 J	0.3 J	0.3 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	5.2	9	14	24	22	21
1,1-DICHLOROETHENE	ug/L	0.7	1.2	1.7	3.5	3.4	2.9
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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	0.2 J	0.2 J	0.2 J
1,2-DICHLOROBENZENE	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	0.1 J	0.2 J	0.2 J	0.2 J
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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	0.1 J	0.2 J	0.2 J	0.2 J
CHLOROMETHANE	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	6.2	11	16	32	32	31
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018
Laboratory Sample I.D.		9395883	9444014	9491566	9540671	9588660	9657662
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	0.7	0.7	0.9	1	1.1	1
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	0.2 J	0.2 J
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	7.6	14	17	25	27	25
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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		07/02/2018	07/12/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018
Laboratory Sample I.D.		9687919	9701450	9734682	9795708	9834508	9887489
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	24	17	19	15	14	17
1,1,2,2-TETRACHLOROETHANE	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	14	8.8	17	9.9	10	5.9
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	51	41	36	31	34	34
1,1-DICHLOROETHENE	ug/L	9.4	5.7	6.1	4.7	4.2	4.5
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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	0.8	0.5	0.6	0.4 J	0.5 J	0.4 J
1,2-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.09 J	ND@0.5	0.07 J
1,2-DICHLOROETHANE (EDC)	ug/L	0.5 J	0.4 J	0.4 J	0.3 J	0.3 J	0.4 J
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	1.7 J	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@1.0	ND@1.0
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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	0.5 J	0.3 J	0.4 J	0.4 J	0.4 J	0.4 J
CHLOROMETHANE	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	81	64	55	53	47	55
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
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Sample Location		1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT	1M INFLUENT
Sample Description		GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF	GARFIELD GTF
Sample Date		07/02/2018	07/12/2018	08/01/2018	09/10/2018	10/02/2018	11/06/2018
Laboratory Sample I.D.		9687919	9701450	9734682	9795708	9834508	9887489
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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	0.07 J
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	17	11	14	13	8.9	9.3
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.4 J	0.2 J	0.2 J	0.2 J	0.3 J	0.3 J
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	86	63	59	71	62	61
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	0.1 J	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	n.a.	NA	NA

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
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Sample Location		1M INFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT
Sample Description		GARFIELD GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF
Sample Date		12/10/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018
Laboratory Sample I.D.		9934838	9395891	9444022	9491574	9540680	9588668
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	20	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J
1,1,2,2-TETRACHLOROETHANE	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	4.3	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	40	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J
1,1-DICHLOROETHENE	ug/L	5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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	0.4 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROBENZENE	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	0.5 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@1	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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	0.4 J	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J
CHLOROMETHANE	ug/L	0.09 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	57	0.1 J	0.1 J	0.1 J	ND@0.5	0.1 J
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		1M INFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT	2M EFFLUENT
Sample Description		GARFIELD GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF
Sample Date		12/10/2018	01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018
Laboratory Sample I.D.		9934838	9395891	9444022	9491574	9540680	9588668
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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	0.07 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	7.9	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRAHYDROFURAN	ug/L	ND@5	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	51	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		2M INFLUENT	2M INFLUENT	2M INFLUENT	2M INFLUENT	2M INFLUENT	3M A1 INFL
Sample Description		JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	ADAMS GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	01/04/2018
Laboratory Sample I.D.		9395889	9444020	9491572	9540678	9588666	9395893
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.2 J	0.2 J	0.3 J	0.2 J	ND@2.5
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
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@2.5
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	4.1
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	2 J
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,2-DIBROMOETHANE (EDB)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
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@2.5
1,2-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@25
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
CARBON TETRACHLORIDE	ug/L	0.2 J	0.2 J	0.3 J	0.3 J	0.3 J	ND@2.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
CHLORODIBROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	1.3 J
CHLOROFORM (TRICHLOROMETHANE)	ug/L	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J	ND@2.5
CHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5	130
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5

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Endicott, New York
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Sample Location		2M INFLUENT	2M INFLUENT	2M INFLUENT	2M INFLUENT	2M INFLUENT	3M A1 INFL
Sample Description		JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	JEFF GTF	ADAMS GTF
Sample Date		01/04/2018	02/06/2018	03/06/2018	04/03/2018	05/01/2018	01/04/2018
Laboratory Sample I.D.		9395889	9444020	9491572	9540678	9588666	9395893
Parameter	**Units**						
CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@5.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@25
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@25
METHYL TERT-BUTYL ETHER (MTBE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@25
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
TETRACHLOROETHENE	ug/L	1.2	1.6	1.7	2	1.9	ND@2.5
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	27
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.6 J
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
TRICHLOROETHENE	ug/L	0.8	0.9	0.9	1	1	0.8 J
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	0.1 J	0.2 J	ND@0.5	0.2 J	0.2 J	ND@2.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	6.2
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@2.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
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Sample Location		3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444023	9491575	9540681	9588670	9657668	9687892
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.4 J	0.4 J	0.4 J	0.4 J
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	0.3 J	0.3 J	0.3 J	ND@0.5	0.3 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	4.2	4.1	4.5	4.7	5.2	4.9
1,1-DICHLOROETHENE	ug/L	2.4	2.3	2.6	2.3	1.1	2.6
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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	0.4 J	0.4 J	0.5 J	0.5 J	0.6	0.5
1,2-DICHLOROBENZENE	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	0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	1.5	0.9	1.3	1.2	ND@0.5	1.2
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROMETHANE	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	140	130	140	130	120	150
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
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Sample Location		3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444023	9491575	9540681	9588670	9657668	9687892
Parameter	**Units**						
CYCLOHEXANE	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	0.1 J
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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	0.2 J	ND@0.5
TETRAHYDROFURAN	ug/L	81	48	35	140	3000	67
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.4 J	0.5 J	0.4 J	0.6	0.5 J
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	0.9	1	1.2	2.1	1.1
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	3.3	1.8	2.1	2.7	1.4	1.6
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
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Sample Location		3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A2 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734868	9795711	9834511	9887493	9934841	9395894
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	0.4 J	0.3 J	ND@1.0	ND@2.5	0.5 J
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.3 J	0.2 J	0.3 J	ND@1.0	ND@2.5	ND@0.5
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,1-DICHLOROETHANE	ug/L	4.6	4.8	4.6	3.5	3.4	0.1 J
1,1-DICHLOROETHENE	ug/L	2.7	1.3	2.7	0.4 J	2 J	ND@0.5
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	0.5 J	0.6	0.5	0.4 J	0.4 J	ND@0.5
1,2-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,2-DICHLOROETHANE (EDC)	ug/L	0.2 J	0.1 J	0.2 J	0.2 J	0.4 J	ND@0.5
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@10	ND@25	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@1.0	ND@1.0	ND@2.0	ND@5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	0.07 J	ND@1.0	ND@2.0	ND@5	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CHLORODIBROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CHLOROETHANE	ug/L	1.1	0.3 J	1.1	0.4 J	1.1 J	ND@0.5
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	160	130	150	120	180	0.2 J
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5

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Sample Location		3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A1 INFL	3M A2 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734868	9795711	9834511	9887493	9934841	9395894
Parameter	**Units**						
CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@2.0	ND@5	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@10	ND@25	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@10	ND@25	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@10	ND@25	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	0.2 J	ND@0.5	ND@1.0	ND@2.5	1.8
TETRAHYDROFURAN	ug/L	220	6600 J	42	340	ND@25	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	0.3 J	0.5	0.3 J	0.2 J	1 J	ND@0.5
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
TRICHLOROETHENE	ug/L	1.2	2.3	1	0.7 J	1.3 J	0.8
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
VINYL CHLORIDE	ug/L	2.8	2.3	2.5	2.1	8.6	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@1.0	ND@2.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	n.a.	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
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Sample Location		3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444024	9491576	9540682	9588671	9657669	9687893
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5	0.5	0.7	0.5	0.6	0.6
1,1,2,2-TETRACHLOROETHANE	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	0.1 J	0.1 J	0.1 J	0.1 J	ND@0.5	0.1 J
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	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	0.2 J	0.2 J	0.2 J	0.3 J	0.3 J	0.4 J
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444024	9491576	9540682	9588671	9657669	9687893
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	1.6	1.7	2.2	1.8	1.9	2
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.9	1	1.2	1.1	1.3	1.3
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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

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Sample Location		3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M EFFL COMB
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734869	9795712	9834512	9887494	9934842	9395897
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.5	0.6	0.5	0.6	0.6	0.3 J
1,1,2,2-TETRACHLOROETHANE	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	0.1 J	0.1 J	0.1 J	0.1 J	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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	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	0.3 J	0.3 J	0.3 J	0.3 J	0.3 J	ND@0.5
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M A2 INFL	3M EFFL COMB
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734869	9795712	9834512	9887494	9934842	9395897
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	1.7	1.8	1.5	1.8	1.8	ND@0.5
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	1.2	1.2	1.1	1.1	1.2	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	NA	n.a.	NA	NA	NA	0.17

Groundwater Treatment Analytical Chemistry Data
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Sample Location		3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444027	9491579	9540685	9588674	9657672	9687896
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.3 J	0.4 J	0.5 J	0.4 J	0.7	0.4 J
1,1,2,2-TETRACHLOROETHANE	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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	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	0.1 J	0.1 J	0.2 J	0.1 J
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444027	9491579	9540685	9588674	9657672	9687896
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	0.5	0.46	0.32	0.53	0.068 J	0.43

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Sample Location		3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	6M EFFLUENT
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734872	9795714	9834515	9887497	9934845	9395900
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	0.4 J	ND@0.5	0.4 J	0.4 J	0.5 J	ND@0.5
1,1,2,2-TETRACHLOROETHANE	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	0.4 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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	1 J	ND@5.0	ND@5	ND@5.0
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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	0.1 J	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
CHLOROMETHANE	ug/L	ND@0.5	ND@0.5	0.09 J	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	0.1 J	0.07 J	0.1 J	0.2 J	10	ND@0.5
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	3M EFFL COMB	6M EFFLUENT
Sample Description		ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	ADAMS GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734872	9795714	9834515	9887497	9934845	9395900
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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	0.4 J	ND@0.5	0.1 J	0.1 J	ND@0.5
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	0.1 J	ND@0.5	0.2 J	0.3 J	0.4 J	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	0.3 J	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	0.14	0.4	0.058 J	NA	NA	5.4

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Sample Location		6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444031	9491582	9540688	9588677	9657676	9687899
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5	ND@0.5
1,1,2,2-TETRACHLOROETHANE	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
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,2-DIBROMOETHANE (EDB)	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-DICHLOROBENZENE	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
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ACETONE	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	5.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
CHLORODIBROMOMETHANE	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
CHLOROMETHANE	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
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444031	9491582	9540688	9588677	9657676	9687899
Parameter	**Units**						
CYCLOHEXANE	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
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1.0
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	4.9 J	5 J	7.4	8.3	6.6	ND@5.0
METHYL TERT-BUTYL ETHER (MTBE)	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
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
STYRENE	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
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5.0
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,3-DICHLOROPROPENE	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
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
PHOSPHORUS, TOTAL	mg/L	2.6	0.75	0.94	0.83	0.9	3.2

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Endicott, New York
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Sample Location		6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734875	9795718	9834518	9887500	9934849	9395899
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5	2800
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
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	64
1,1,2-TRICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.3 J	ND@0.5	490
1,1-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,2,4-TRICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,2,4-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,2-DIBROMOETHANE (EDB)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
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@50
1,2-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	0.2 J	ND@0.5	ND@50
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5	0.1 J	0.05 J	ND@50
1,2-DICHLOROPROPANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,3,5-TRIMETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,3-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
1,4-DICHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
ACETONE	ug/L	ND@5.0	ND@5.0	2 J	1.4 J	ND@5	ND@500
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
BROMODICHLOROMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@0.5	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@50
BROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
CARBON DISULFIDE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@100
CARBON TETRACHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
CHLOROBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
CHLORODIBROMOMETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	190
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
CHLOROMETHANE	ug/L	ND@0.5	ND@0.5	0.07 J	ND@0.5	ND@0.5	ND@50
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	ND@0.5	0.6	0.1 J	710
CIS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50

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Sample Location		6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M EFFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018	01/04/2018
Laboratory Sample I.D.		9734875	9795718	9834518	9887500	9934849	9395899
Parameter	**Units**						
CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
ISOPROPYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
M,P-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
METHYL ACETATE	ug/L	ND@1.0	ND@1.0	ND@1.0	ND@1.0	ND@1	ND@100
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@500
METHYL CYCLOHEXANE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	4.9 J	ND@5.0	3.1 J	4.1 J	2 J	ND@500
METHYL TERT-BUTYL ETHER (MTBE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@500
O-XYLENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
STYRENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
TETRAHYDROFURAN	ug/L	ND@5.0	ND@5.0	ND@5.0	ND@5.0	ND@5	ND@500
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	96
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	91
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	72
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@50
PHOSPHORUS, TOTAL	mg/L	1.1	1.3	ND@0.10	0.067 J	1.1	NA

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Sample Location		6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444030	9491581	9540687	9588676	9657675	9687898
Parameter	**Units**						
1,1,1-TRICHLOROETHANE	ug/L	4600	3800	3700	4300	4000	6200
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	68	66	88	43 J	68	94
1,1,2-TRICHLOROETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,1-DICHLOROETHANE	ug/L	680	740	790	660	780	580
1,1-DICHLOROETHENE	ug/L	24 J	44	75	45 J	69	ND@50
1,2,4-TRICHLOROBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,2,4-TRIMETHYLBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,2-DIBROMOETHANE (EDB)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	12 J	12 J	ND@50	ND@50	ND@50	22 J
1,2-DICHLOROBENZENE	ug/L	5.4 J	ND@25	ND@50	ND@50	ND@50	ND@50
1,2-DICHLOROETHANE (EDC)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,2-DICHLOROPROPANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,3,5-TRIMETHYLBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,3-DICHLOROBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
1,4-DICHLOROBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
ACETONE	ug/L	ND@250	ND@250	ND@500	ND@500	ND@500	ND@500
BENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
BROMODICHLOROMETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
BROMOMETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CARBON DISULFIDE	ug/L	ND@50	ND@50	ND@100	ND@100	ND@100	ND@100
CARBON TETRACHLORIDE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CHLOROBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CHLORODIBROMOMETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CHLOROETHANE	ug/L	230	270	220	130	160	210
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CHLOROMETHANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
CIS-1,2-DICHLOROETHENE	ug/L	910	610	610	840	960	1100
CIS-1,3-DICHLOROPROPENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50

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Endicott, New York
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Sample Location		6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		02/06/2018	03/06/2018	04/03/2018	05/01/2018	06/11/2018	07/02/2018
Laboratory Sample I.D.		9444030	9491581	9540687	9588676	9657675	9687898
Parameter	**Units**						
CYCLOHEXANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
ETHYLBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
ISOPROPYLBENZENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
M,P-XYLENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
METHYL ACETATE	ug/L	ND@50	ND@50	ND@100	ND@100	ND@100	ND@100
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@250	ND@250	ND@500	ND@500	ND@500	ND@500
METHYL CYCLOHEXANE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@250	ND@250	ND@500	ND@500	ND@500	ND@500
METHYL TERT-BUTYL ETHER (MTBE)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	37	27	ND@50	ND@50	31 J	ND@50
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@250	ND@250	ND@500	ND@500	ND@500	ND@500
O-XYLENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
STYRENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
TETRACHLOROETHENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
TETRAHYDROFURAN	ug/L	ND@250	ND@250	250 J	ND@500	ND@500	ND@500
TOLUENE	ug/L	7.2 J	7.3 J	ND@50	ND@50	ND@50	ND@50
TRANS-1,2-DICHLOROETHENE	ug/L	40	ND@25	ND@50	ND@50	ND@50	150
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
TRICHLOROETHENE	ug/L	87	64	16 J	99	88	230
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
VINYL CHLORIDE	ug/L	95	40	140	40 J	80	36 J
XYLENES, TOTAL	ug/L	ND@25	ND@25	ND@50	ND@50	ND@50	ND@50
PHOSPHORUS, TOTAL	mg/L	NA	NA	NA	NA	NA	NA

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018
Laboratory Sample I.D.		9734874	9795717	9834517	9887499	9934848
Parameter	**Units**					
1,1,1-TRICHLOROETHANE	ug/L	6900	4700	3900	5300	3400
1,1,2,2-TETRACHLOROETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	62	110	79	94	42
1,1,2-TRICHLOROETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,1-DICHLOROETHANE	ug/L	1100	870	720	1100	770
1,1-DICHLOROETHENE	ug/L	27 J	130	49	68	57
1,2,4-TRICHLOROBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,2,4-TRIMETHYLBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,2-DIBROMOETHANE (EDB)	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	ND@50	30 J	16 J	18 J	15 J
1,2-DICHLOROBENZENE	ug/L	ND@50	ND@50	ND@25	3.3 J	3.3 J
1,2-DICHLOROETHANE (EDC)	ug/L	ND@50	ND@50	2.7 J	4.7 J	4.8 J
1,2-DICHLOROPROPANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,3,5-TRIMETHYLBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,3-DICHLOROBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
1,4-DICHLOROBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
ACETONE	ug/L	ND@500	ND@500	ND@250	ND@250	ND@250
BENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
BROMODICHLOROMETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
BROMOFORM (TRIBROMOMETHANE)	ug/L	ND@50	ND@100	ND@50	ND@50	ND@50
BROMOMETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CARBON DISULFIDE	ug/L	ND@100	ND@100	ND@50	ND@50	ND@50
CARBON TETRACHLORIDE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CHLOROBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CHLORODIBROMOMETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CHLOROETHANE	ug/L	180	140	120	430	240
CHLOROFORM (TRICHLOROMETHANE)	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CHLOROMETHANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
CIS-1,2-DICHLOROETHENE	ug/L	960	720	1000	980	790
CIS-1,3-DICHLOROPROPENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25

Groundwater Treatment Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT	6M INFLUENT
Sample Description		CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF	CLARK GTF
Sample Date		08/01/2018	09/10/2018	10/02/2018	11/06/2018	12/10/2018
Laboratory Sample I.D.		9734874	9795717	9834517	9887499	9934848
Parameter	**Units**					
CYCLOHEXANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
DICHLORODIFLUOROMETHANE (FREON 12)	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
ETHYLBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
ISOPROPYLBENZENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
M,P-XYLENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
METHYL ACETATE	ug/L	ND@100	ND@100	ND@50	ND@50	ND@50
METHYL BUTYL KETONE (2-HEXANONE)	ug/L	ND@500	ND@500	ND@250	ND@250	ND@250
METHYL CYCLOHEXANE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
METHYL ETHYL KETONE (MEK, 2-BUTANONE)	ug/L	ND@500	ND@500	ND@250	ND@250	ND@250
METHYL TERT-BUTYL ETHER (MTBE)	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	42 J	19 J	7 J	18 J	12 J
MIBK (4-METHYL-2-PENTANONE)	ug/L	ND@500	ND@500	ND@250	ND@250	ND@250
O-XYLENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
STYRENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
TETRACHLOROETHENE	ug/L	ND@50	ND@50	3.1 J	4.3 J	ND@25
TETRAHYDROFURAN	ug/L	ND@500	210 J	41 J	52 J	190 J
TOLUENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
TRANS-1,2-DICHLOROETHENE	ug/L	41 J	ND@50	ND@25	ND@25	3.4 J
TRANS-1,3-DICHLOROPROPENE	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
TRICHLOROETHENE	ug/L	130	20 J	110	130	20 J
TRICHLOROFLUOROMETHANE (FREON 11)	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
VINYL CHLORIDE	ug/L	31 J	220	58	90	120
XYLENES, TOTAL	ug/L	ND@50	ND@50	ND@25	ND@25	ND@25
PHOSPHORUS, TOTAL	mg/L	NA	n.a.	NA	NA	NA

Reporting Conventions

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

Code	**Explanation**
J	Estimated value. The result has been qualified for one of the following reasons: (1) It is greater than the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ). (2) It exceeds that calibration range of the analytical instrument.

APPENDIX F

Table F-1: Summary Comparison of 2018 Duplicate Sample Results

Quality Assurance / Quality Control Analytical Chemistry Data, 2018

Table F-1: Summary Comparison of Intralaboratory Duplicate Sample Results for 2018 (two highest detections per well) Endicott, New York

Well	Date	Parameter	Sample Result, S (ug/l)	Duplicate Result, D (ug/l)	Absolute Difference (ug/l)	Relative Percent Difference
DOT-4	08/06/18	cis12-DCE	1.1	1.1	0	0%
		Vinyl Chloride	1.1	1.2	0.1	9%
EN-013	08/09/18	PCE	13	12	1	8%
		cis12-DCE	0.4	0.5	0.1	22%
EN-015	05/21/18	PCE	19	19	0	0%
		TCE	7.6	7.6	0	0%
EN-016	11/06/18	111-TCA	100	97	3	3%
		TCE	110	100	10	10%
EN-020	02/12/18	11-DCA	6200	5900	300	5%
		cis12-DCE	8400	8400	0	0%
EN-029A	08/08/18	PCE	1.7	1.8	0.1	6%
		TCE	1.4	1.4	0	0%
EN-039	05/15/18	111-TCA	61000	61000	0	0%
		11-DCA	920	730	190	23%
EN-039	08/09/18	111-TCA	150	150	0	0%
		cis12-DCE	64	64	0	0%
EN-039	11/05/18	111-TCA	11000	9600	1400	14%
		cis12-DCE	170	170	0	0%
EN-054	08/06/18	TCE	7.4	7.5	0.1	1%
		cis12-DCE	2.7	2.6	0.1	4%
EN-055	05/22/18	TCE	530.0	520	10	2%
		cis12-DCE	2000	2000	0	0%
EN-064	08/08/18	no detections	ND@0.5	ND@0.5	NA	NA
EN-093	11/07/18	TCE	1.2	1.2	0	0%
		cis12-DCE	0.6	0.6	0	0%
EN-096	08/16/18	111-TCA	24	28	4	15%
		11-DCA	33	18	15	59%
EN-100	05/11/18	PCE	1.4	1.4	0	0%
		TCE	1.4	1.4	0	0%
EN-127	08/06/18	TCE	5.5	3.8	1.7	37%
		cis12-DCE	0.7	0.6	0.1	15%
EN-132	08/08/18	PCE	1.2	1	0.2	18%
		TCE	0.4	0.4	0	0%
EN-161	05/11/18	cis12-DCE	0.3	0.4	0.1	29%
		Methylene Chloride	0.6	0.5	0.1	18%
EN-163	08/06/18	TCE	2	2	0	0%
		cis12-DCE	0.5	0.5	0	0%
EN-215B	05/09/18	111-TCA	0.7	0.6	0.1	15%
		TCE	1.2	1.6	0.4	29%
EN-401	02/12/18	111-TCA	1.4	1.4	0	0%
		TCE	0.5	0.5	0	0%
EN-426	08/09/18	111-TCA	0.2	0.2	0	0%
		cis12-DCE	0.06	0.06	0	0%
EN-437	05/10/18	111-TCA	0.6	0.6	0	0%
		TCE	1	1	0	0%

Table F-1: Summary Comparison of Intralaboratory Duplicate Sample Results for 2018 (two highest detections per well) Endicott, New York

Well	Date	Parameter	Sample Result, S (ug/l)	Duplicate Result, D (ug/l)	Absolute Difference (ug/l)	Relative Percent Difference
EN-443	08/07/18	PCE	5.7	5.5	0.2	4%
		TCE	1	1	0	0%
EN-443	11/20/18	PCE	2.3	2.3	0	0%
		TCE	0.8	0.7	0.1	13%
EN-450	08/08/18	PCE	2.6	2.6	0	0%
		TCE	2.1	1.8	0.3	15%
EN-456	02/06/18	PCE	0.4	0.4	0	0%
		TCE	0.6	0.7	0.1	15%
EN-478B	05/09/18	111-TCA	0.8	0.8	0	0%
		TCE	1.3	1.3	0	0%
EN-481B	08/08/18	111-TCA	0.5	0.4	0.1	22%
		TCE	2.5	2.4	0.1	4%
EN-493	11/08/18	PCE	2.4	2.4	0	0%
		TCE	0.9	0.9	0	0%
EN-496	05/14/18	PCE	2.4	2.3	0.1	4%
		TCE	1.4	1.4	0	0%
EN-505	05/11/18	TCE	1.3	1.3	0	0%
		cis12-DCE	0.4	0.4	0	0%
EN-506	02/06/18	TCE	1.1	1.1	0	0%
		cis12-DCE	1	1	0	0%
EN-533	02/08/18	PCE	140	150	10	7%
		cis12-DCE	1600	1600	0	0%
EN-700	11/08/18	Freon 113	3000	2600	400	14%
		Freon 123a	720	650	70	10%
EN-704	02/09/18	TCE	2.8	2.8	0	0%
		cis12-DCE	2.2	2.2	0	0%
EN-704	05/16/18	TCE	2.7	2.8	0.1	4%
		cis12-DCE	2.6	2.6	0	0%
EN-724	08/06/18	no detections	ND@0.5	ND@0.5	NA	NA
EN-D13	05/24/18	cis12-DCE	25	25	0	0%
		Freon 113	13	13	0	0%
EN-D44	08/07/18	TCE	140	120	20	15%
		cis12-DCE	1300	1300	0	0%

Absolute Difference = |S - D|
Relative Percent Difference = (|S - D| / (S + D)/2) x 100
Sample result, S, was reported by Eurofins Lancaster Laboratories Environmental, Lancaster, PA.
Duplicate result, D, was reported by Eurofins Lancaster Laboratories Environmental, Lancaster, PA.

Quality Assurance / Quality Control Analytical Chemistry Data
Endicott, New York
January 1, 2018 - December 31, 2018

Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description		WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date		02/05/2018	02/06/2018	02/08/2018	02/08/2018	02/09/2018	02/12/2018
Sample Comment Codes		9450440	9449918	9449642	9449838	9450611	9456514
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Quality Assurance / Quality Control Analytical Chemistry Data
Endicott, New York
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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description		WTR LVL IND	BAILER	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date		02/13/2018	05/09/2018	05/10/2018	05/11/2018	05/14/2018	05/15/2018
Sample Comment Codes		9456507	9606846	9606820	9606871	9615246	9615010
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Quality Assurance / Quality Control Analytical Chemistry Data
Endicott, New York
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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description		WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date		05/16/2018	05/17/2018	05/18/2018	05/21/2018	05/22/2018	05/24/2018
Sample Comment Codes		9615275	9618759	9618844	9627137	9629308	9629626
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	0.1 J	0.2 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	0.1 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Endicott, New York
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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description		WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date		08/02/2018	08/03/2018	08/06/2018	08/07/2018	08/08/2018	08/09/2018
Sample Comment Codes		9738692	9738660	9746079	9745836	9749874	9749851
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	0.1 J	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	0.7	0.7	0.7	0.6	0.8 J	0.5 J
TRANS-1,2-DICHLOROETHENE	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	2.7
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
Sample Description		WTR LVL IND	SUBM PUMP	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
Sample Date		08/10/2018	08/16/2018	08/20/2018	08/21/2018	11/05/2018	11/06/2018
Sample Comment Codes		9749971	9761171	9766908	9766886	9893312	9893379
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.1 J	ND@0.5	0.1 J	0.1 J	0.3 J	0.2 J
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	0.5 J	0.5	0.5	0.5	0.1 J	0.1 J
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	0.1 J	0.1 J	ND@0.5	ND@0.5

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Sample Location		EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	TRIP BLANK	TRIP BLANK
Sample Description		WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	1/4-1/5	2/5-2/9
Sample Date		11/07/2018	11/08/2018	11/19/2018	11/20/2018	01/04/2018	02/05/2018
Sample Comment Codes		9893447	9894222	9911336	9911347	9395865	9449915
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	0.06 J	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	0.2 J	ND@0.5	0.2 J	0.2 J	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
TOLUENE	ug/L	0.09 J	0.08 J	0.2 J	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		2/5-2/9	2/6-2/7	2/6-2/9	2/8-2/10	2/12-2/14	2/12-2/14
Sample Date		02/05/2018	02/06/2018	02/06/2018	02/08/2018	02/12/2018	02/12/2018
Sample Comment Codes		9450439	9444058	9449673	9450598	9456499	9456511
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		3/6-3/7	4/3-4/4	5/1-5/2	5/9-5/12	5/10-5/12	5/10-5/12
Sample Date		03/06/2018	04/03/2018	05/01/2018	05/09/2018	05/10/2018	05/10/2018
Sample Comment Codes		9491556	9540703	9588703	9606845	9606819	9606865
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		5/11-5/12	5/14-5/17	5/14-5/17	5/15-5/17	5/15-5/17	5/16-5/19
Sample Date		05/11/2018	05/14/2018	05/14/2018	05/15/2018	05/15/2018	05/16/2018
Sample Comment Codes		9606840	9614986	9615245	9615011	9615267	9618741
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		5/17-5/19	5/17-5/19	5/21-5/24	5/21-5/25	5/22-5/25	6/11-6/12
Sample Date		05/17/2018	05/17/2018	05/21/2018	05/21/2018	05/22/2018	06/11/2018
Sample Comment Codes		9618765	9618834	9627126	9629298	9629624	9657690
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		7/2-7/3	8/1-8/2	8/2-8/4	8/2-8/4	8/3-8/4	8/3-8/4
Sample Date		07/02/2018	08/01/2018	08/02/2018	08/02/2018	08/03/2018	08/03/2018
Sample Comment Codes		9688003	9734808	9738685	9738741	9738659	9738679
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		8/6-8/9	8/6-8/9	8/6-8/9	8/7-8/9	8/7-8/9	8/7-8/9
Sample Date		08/06/2018	08/06/2018	08/06/2018	08/07/2018	08/07/2018	08/07/2018
Sample Comment Codes		9745822	9746074	9746095	9745843	9745913	9746004
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		8/8-8/11	8/8-8/11	8/8-8/9	8/9-8/11	8/9-8/11	8/9-8/11
Sample Date		08/08/2018	08/08/2018	08/08/2018	08/09/2018	08/09/2018	08/09/2018
Sample Comment Codes		9749842	9749873	9746025	9749863	9749896	9749969
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		8/16-8/18	8/16-8/18	8/20-8/22	8/20-8/22	9/10-9/11	10/2-10/3
Sample Date		08/16/2018	08/16/2018	08/20/2018	08/20/2018	09/10/2018	10/02/2018
Sample Comment Codes		9761112	9761156	9766879	9766903	9795777	9834500
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5	0.08 J	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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		11/5-11/9	11/6-11/10	11/6-11/7	11/6-11/9	11/7-11/9	11/8-11/10
Sample Date		11/05/2018	11/06/2018	11/06/2018	11/06/2018	11/07/2018	11/08/2018
Sample Comment Codes		9893311	9894219	9887465	9893413	9893487	9894212
Parameter	**Units**						
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-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
BENZENE	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
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
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
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	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
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5	ND@0.5

Quality Assurance / Quality Control Analytical Chemistry Data
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Sample Location		TRIP BLANK	TRIP BLANK	TRIP BLANK
Sample Description		11/19-11/23	11/19-11/23	12/10-12/11
Sample Date		11/19/2018	11/19/2018	12/10/2018
Sample Comment Codes		9911310	9911341	9934776
Parameter	**Units**			
1,1,1-TRICHLOROETHANE	ug/L	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
1,1-DICHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5
1,1-DICHLOROETHENE	ug/L	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
1,2-DICHLOROETHANE (EDC)	ug/L	ND@0.5	ND@0.5	ND@0.5
BENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5
CHLOROETHANE	ug/L	ND@0.5	ND@0.5	ND@0.5
CIS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5
ETHYLBENZENE	ug/L	ND@0.5	ND@0.5	ND@0.5
METHYLENE CHLORIDE (DICHLOROMETHANE)	ug/L	ND@0.5	ND@0.5	ND@0.5
TETRACHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5
TOLUENE	ug/L	ND@0.5	ND@0.5	ND@0.5
TRANS-1,2-DICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5
TRICHLOROETHENE	ug/L	ND@0.5	ND@0.5	ND@0.5
VINYL CHLORIDE	ug/L	ND@0.5	ND@0.5	ND@0.5
XYLENES, TOTAL	ug/L	ND@0.5	ND@0.5	ND@0.5

Reporting Conventions

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

Code	Explanation
J	Estimated value. The result has been qualified for one of the following reasons: (1) It is greater than the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ). (2) It exceeds that calibration range of the analytical instrument. (3) There is an underlying data validation issue.

APPENDIX G

Summary of Significant Remediation Systems Maintenance Activities in 2018

Endicott, New York

2018 MAINTENANCE ACTIVITY		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
GROUNDWATER TREATMENT FACILITIES													
Jefferson Avenue Groundwater Treatment Facility (Offline May 29, 2018)													
	Liquid-phase GAC removal						--	1	--	--	--	--	--
	Flow Meter Inspection and Cleaning						--	--	--	--	--	--	--
	Effluent Flow Meter Calibration and Barrel Testing						--	--	--	--	--	--	--
Garfield Avenue Groundwater Treatment Facility													
	1-A Carbon Vessel Liquid-phase GAC exchange		1										
	1-B Carbon Vessel Liquid-phase GAC exchange								1				
	Vapor Phase GAC exchange		1		1	1							
	Air Stripper Cleaning												
	Flushing of Conveyance Piping (EN-276/276R to Garfield GTF)												
	Effluent Flow Meter Inspection, Calibration and Barrel Testing			1						1			1
Adams Avenue Groundwater Treatment Facility													
	A1 System 1-A Carbon Vessel Liquid-phase GAC exchange									1			
	A1 System 1-B Carbon Vessel Liquid-phase GAC exchange									1			
	A2 System PV-202 Carbon Vessel Liquid-phase GAC exchange												
	A2 System PV-201 Carbon Vessel Liquid-phase GAC exchange												
	Ran A1 system centrifuge	6	3	5	3	5	5	3	5	3	5	2	6
	A1 Carbon system backwash									1			
	Flow Meter Inspection and Cleaning												
	Effluent Flow Meter Calibration and Barrel Testing												
Robble Avenue Groundwater Treatment Facility (Offline, Decommissioned July 2018)													
	Air Stripper Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Vapor Phase GAC exchange	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Effluent Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Clark Street Groundwater Treatment Facility													
	Air Stripper Cleaning		1										
	Vapor Phase GAC exchange	1	1	1	1	1					1	1	
	Flow Meter Inspection and Cleaning												
	Flow Meter Calibration and Barrel Testing			1									

2018 MAINTENANCE ACTIVITY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
OPERABLE UNIT #1: RAILROAD CORRIDOR SOURCE AREA												
Transfer Station Building 46S												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration or Barrel Testing												
Flushing of C1 Conveyance Piping (B046S to Clark St GTF)	1	1	1	1	1	1			1			
Flushing of C2 Conveyance Piping (B046S to Clark St GTF)		1	1	1					1			
Extraction Well EN-107R (Shutdown 5/29/18)												
Flow Meter Inspection and Cleaning		1				--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing						--	--	--	--	--	--	--
Well Rehabilitation						--	--	--	--	--	--	--
Flushing of C1 Conveyance Piping (EN-107R to B046S)						--	--	--	1	--	--	--
Pumping System Maintenance or Replacement Activity						--	--	--	--	--	--	--
Extraction Well EN-114T												
Flow Meter Inspection and Cleaning							2					
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation										1		
Flushing of Conveyance Piping (EN-114T to B046S)												
Pumping System Maintenance or Replacement Activity												
Extraction Well EN-219R												
Flow Meter Inspection and Cleaning	2		1	3	2	1	2			1	1	1
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation								1				
Flushing of Conveyance Piping (EN-219R to Clark GTF)												
Pumping System Maintenance or Replacement Activity								2		1		3
Extraction Well EN-253R												
Flow Meter Inspection and Cleaning					1		2					
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation												
Flushing of Conveyance Piping (EN-253R to Clark GTF)												
Pumping System Maintenance or Replacement Activity		1										
Extraction Well EN-428												
Flow Meter Inspection and Cleaning					1		2					
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation	1									1		
Pumping System Maintenance or Replacement Activity										1		

Endicott, New York

2018 MAINTENANCE ACTIVITY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Injection Well EN-509T (Inactive)												
Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
OPERABLE UNIT #2: NORTH STREET AREA												
Extraction Well EN-276												
Flow Meter Inspection and Cleaning	1				1							
Flow Meter Calibration and Barrel Testing			1									1
Well Rehabilitation												
Pumping System Maintenance or Replacement Activity												
Extraction Well EN-276R												
Flow Meter Inspection and Cleaning	1				1							
Flow Meter Calibration and Barrel Testing			1									1
Well Rehabilitation												
Pumping System Maintenance or Replacement Activity												
MISC. ACTIVITY A: OFF-SITE CAPTURE ZONE A AND OPERABLE UNIT #3: SOUTHERN AREA												
Extraction Well EN-091T (Shutdown 1/29/18, Decommissioned July 2018)												
Flow Meter Inspection and Cleaning		--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing		--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation		--	--	--	--	--	--	--	--	--	--	--
Flushing of Conveyance Piping (EN-91T to Jefferson GTF)		--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity		--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-120 (Inactive, Decommissioned July 2018)												
Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-133 (Shutdown 5/29/18)												
Flow Meter Inspection and Cleaning						--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing						--	--	--	--	--	--	--
Well Rehabilitation						--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity						--	--	--	--	--	--	--

Endicott, New York

2018 MAINTENANCE ACTIVITY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Extraction Well EN-160 (Inactive, Decommissioned July 2018)												
Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-194 (Shutdown 03/12/18)												
Flow Meter Inspection and Cleaning				--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing			1	--	--	--	--	--	--	--	--	--
Well Rehabilitation				--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity				--	--	--	--	--	--	--	--	--
Extraction Well EN-215T												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration and Barrel Testing			1									
Well Rehabilitation												
Pumping System Maintenance or Replacement Activity												
Extraction Well EN-284P												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration and Barrel Testing			1									1
Well Rehabilitation												
Pumping System Maintenance or Replacement Activity	1											
Extraction Well EN-447T												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation												
Flushing of Conveyance Piping (EN-447T to Adams GTF)												
Pumping System Maintenance or Replacement Activity	1								1			
Extraction Well EN-451P (Shutdown 1/18/18, Decommissioned July 2018)												
Flow Meter Inspection and Cleaning		--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing		--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation		--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity		--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-499T (Inactive)												
Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--

2018 MAINTENANCE ACTIVITY		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Injection Well EN-92P (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-501T (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-510T (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-529T (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-530T (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration or Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-532T (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
OPERABLE UNIT #4: IDEAL CLEANERS AREA (OFF-SITE CAPTURE ZONE B)													
Extraction Well EN-185R/185P (Inactive)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
	Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-195 (Inactive, Decommissioned July 2018)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
	Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--

Endicott, New York

2018 MAINTENANCE ACTIVITY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Extraction Well EN-491T												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation												
Pumping System Maintenance or Replacement Activity	1			1		1					1	
Extraction Well EN-492T (Inactive)												
Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-78T (Inactive)												
Flow Meter Inspection and Cleaning (in well meter)	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
Injection Well EN-161T (Inactive)												
Flow Meter Inspection and Cleaning (in well meter)	--	--	--	--	--	--	--	--	--	--	--	--
Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
OPERABLE UNIT #5: BUILDING 57 AREA												
Extraction Well EN-709												
Flow Meter Inspection and Cleaning	1	1		1	1	1	1	1	1	1		
Flow Meter Calibration and Barrel Testing												1
C6 Line Flushing (EN-709 Transfer Bldg (TB) to Clark GTF, Well to TB)		1	2	1								
Well Rehabilitation				1				1				
Pumping System Maintenance or Replacement Activity				1								
OPERABLE UNIT #6: PLUME CONTROL IN BEDROCK GROUNDWATER												
Extraction Well EN-D49												
Flow Meter Inspection and Cleaning												
Flow Meter Calibration and Barrel Testing												1
Well Rehabilitation												
Flushing of Conveyance Piping (EN-D49 to Adams GTF)												
Pumping System Maintenance or Replacement Activity									1			

2018 MAINTENANCE ACTIVITY		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
OPERABLE UNIT #7: NORTHWESTERN AREA													
Extraction Well EN-154R (Inactive, Decommissioned July 2018)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
	Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--
Extraction Well EN-218 (Inactive, Decommissioned July 2018)													
	Flow Meter Inspection and Cleaning	--	--	--	--	--	--	--	--	--	--	--	--
	Flow Meter Calibration and Barrel Testing	--	--	--	--	--	--	--	--	--	--	--	--
	Well Rehabilitation	--	--	--	--	--	--	--	--	--	--	--	--
	Pumping System Maintenance or Replacement Activity	--	--	--	--	--	--	--	--	--	--	--	--

APPENDIX H

Operation, Maintenance, and Monitoring Manual for Extraction, Collection and Treatment Systems

GROUNDWATER REMEDIATION SYSTEMS OPERATION, MAINTENANCE & MONITORING MANUAL FIFTEENTH UPDATE

VILLAGE OF ENDICOTT / TOWN OF UNION
BROOME COUNTY, NEW YORK

Miscellaneous Site Activity C: Operation, Maintenance and Monitoring
Order on Consent Index #A7-0502-0104
Site #704014

Prepared for:

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1 INTRODUCTION

This Groundwater Remediation Systems Operation, Maintenance and Monitoring Manual (OM&M Manual) has been prepared by Groundwater Sciences, P.C. (GSPC) at the request of International Business Machines Corporation (IBM) pursuant to Order on Consent Index #A7-0502-0104 (Order) for the former IBM Endicott facility (Site #704014) located in the Village of Endicott, Broome County, New York (Site). The section of the Order titled "Miscellaneous Activity C: Operation, Maintenance and Monitoring" describes the requirement for the OM&M Manual.

This OM&M Manual is the primary reference document for personnel involved in the day-to-day operation, maintenance and monitoring activities performed at the Site. Users should refer to the Process and Instrumentation Diagrams (PIDs), prints and manufacturer's literature included in the Figures and GTF system files for detailed information on the systems and their individual components.

Copies of this OM&M Manual are provided to each operator and copies are also kept at the Clark Street Groundwater Treatment Facility (Clark Street GTF) and at GSPC's Vestal, New York office.

1.1 Background

The general location of the Site is shown on Figure H1-1. As shown on Figure H1-2, there are several areas and capture zones that have been identified in the Order or in previous reports to which reference will be made in this manual. Figure H3-1 shows the locations of the currently existing extraction wells and groundwater treatment facilities (GTFs). As of December 31, 2018, GSC operates and/or maintains five GTFs, three of which have active treatment systems, with one containing an inactive treatment system, and one fully decommissed GTF used only for sampling support and parts storage. The extraction and injection wells associated with each GTF are as follows:

- ***Clark Street GTF:*** Five (5) active extraction wells (EN-114T, EN-428, EN-253R, EN-219R and EN-709) were operational in 2018. EN-253 ceased operating on June 2, 2015 when it was taken offline at the time of construction of EN-253R. Extraction well EN-253R replaced EN-253 and began operating on June 9, 2015 until it was shut down and became inactive on February 21, 2019. EN-428 was also shut down and became inactive on

February 21, 2019. Groundwater from extraction well EN-107R was treated at the Clark Street GTF until October 2, 2012. Since that time, groundwater from EN-107R was conveyed to the Huron organic treatment facility located at Building 096 (B/096 OTF) until the well was shut down in May 2018. Extraction well EN-114T was designed to supplement groundwater extraction from EN-107R and became operational in February 2014. Groundwater pumped from EN-114T was treated at the Huron OTF during a March 2016 maintenance review of above-ground conveyance piping (March 1 through 22, 2016), but has been treated at the Clark Street GTF since that time.

- ***Robble Avenue GTF:*** The treatment system in the Robble Avenue GTF has been inactive since the shutdown of extraction well EN-154R on February 28, 2014. Historically, extraction well EN-218 operated as part of this system but was shut down on October 24, 2012. In 2018, with the approval of NYSDEC both former Robble extraction wells were fully decommissioned including the removal of all well equipment, backfilling in-place with grout, and removal of local discharge piping and control equipment. The 2018 decommissioning also included decontamination and removal of the Robble GTF treatment components and related piping and electrical control devices. The former Robble GTF structure is currently maintained solely as an O&M support building for spare part storage and for support of groundwater sampling efforts.

- ***Jefferson Avenue GTF:*** This system consists of one (1) inactive extraction well (EN-133) and two (2) inactive injection wells (EN-510T and EN-532T). Former extraction wells EN-451P and EN-91T were shut down in January 2018 and decommissioned in July 2018 by the removal of all well equipment and controls, backfilling in-place with grout, and the removal of their surface completions (vault and hotbox). Former injection wells (EN-532T and EN-510T) remain in-place, but are inactive. Injection well EN-510T was active until it was replaced by EN-532T on October 30, 2013 when EN-532T became active. Both injection wells were deactivated in November 2017 when the Site groundwater injection system ceased operation with the approval of NYSDEC.

- ***Garfield Avenue GTF:*** This system consists of four (4) active extraction wells (EN-215T, EN-284P, EN-276, and EN-276R) that serve the Garfield Avenue GTF system. Extraction well EN-215T was shut down in June 2018 and remains inactive. Inactive wells include five

(5) injection wells (EN-92P, EN-501T, EN-525T, EN-529T, and EN-530T) and two (2) extraction wells (EN-215T and EN-499T). Former extraction well EN-194 was shut down in February 2018 and decommissioned in July 2018 along with previously inactive extraction wells EN-120, and EN-160 by the removal of all well equipment and controls, backfilling in-place with grout, and the removal of surface completions. Related instrumentation and controls for EN-120, 160 and 194 were also removed from the Garfield GTF as part of decommissioning work in 2018, as was the associated piping, which was decontaminated by flushing, sampled and removal. That work also included removal of the EN-194 vault and related surface structures. Well EN-92P was configured for use as either an extraction or an injection well. It was operated as an injection well from May 2009 until January 2011. In January 2011, injection well EN-529T was started up and EN-92P was shut down. On September 4, 2013, injection well EN-92P was restarted as an active injection well. All five groundwater injection wells previously associated with the Garfield Avenue GTF were deactivated in November 2017 when all of the Site groundwater injection systems ceased operation with the approval of NYSDEC.

- ***Adams Avenue GTF:*** The Adams Avenue GTF system consists of three (3) active extraction wells (EN-D49, EN-447T, and EN-491T), two inactive extraction wells (EN-185P and EN-492T), and two (2) inactive injection wells (EN-78T and EN-161T) that operated until November 2017. Extraction well EN-185P has remained inactive since it was shut down on January 30, 2015. Extraction well EN-492T has remained inactive since being shut down on February 28, 2014. Inactive well EN-195 was decommissioned in July 2018 by the removal of all well equipment and controls, sealing its connection to the subsurface discharge conveyance header, backfilling the well in-place with grout, and the removal of the wellhead vault and surface structures.

Extraction well EN-D49 withdraws groundwater from the bedrock aquifer beneath the Site. The remaining extraction wells withdraw groundwater from an unconfined water table aquifer beneath the Site referred to as the Upper Aquifer. Treated water from the treatment systems is discharged to the Susquehanna River via the Endicott municipal storm sewer system at outfalls for the three active GTFs as authorized by the Order.

1.1.1 Groundwater Chemistry

The chemicals of concern at the site include chlorinated ethenes, chlorinated ethanes, and other compounds. The principal chemicals of concern are tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis12-DCE), 1,1-dichloroethene (11-DCE), vinyl chloride (VC), 1,1,1-trichloroethane (111-TCA), 1,1-dichloroethane (11-DCA), and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113).

1.1.2 Operations Objectives

The primary operational objectives are to maximize remedial systems operational uptime and maintain systems design operational parameters. Collectively, the remedial components (e.g., groundwater extraction, collection, and treatment systems) operate as an integrated system; therefore, operating personnel have been trained to understand how the maintenance of target groundwater drawdown levels and flow rates is important to the success of achieving the remedial action objectives.

Optimal long-term operation of the extraction wells and treatment systems is achieved with a combination of knowledgeable system monitoring, real time adjustments, and planned maintenance. Operation and adjustment of the extraction wells is accomplished through routine operator checks in conjunction with automated data collection and monitoring by the site control systems. The key operational activities for groundwater extraction wells include:

- Minimizing mechanical equipment downtime,
- Monitoring and maintaining extraction well water levels and flow rates consistent with the goals of the Site remediation strategy,
- Monitoring water levels in nearby monitoring wells to track the effectiveness of the extraction systems,
- Analyzing monthly O&M data, adjusting system components and scheduling maintenance activities as appropriate,
- Performing routine analysis of operations data to check that extraction well pumping water levels remain within desired ranges and that the relationship between the extraction well

water levels and adjacent monitoring well water levels indicates that the target well yield and radius of influence are maintained.

Notification is provided to the New York State Department of Environmental Conservation (NYSDEC) whenever operational downtime exceeds five (5) consecutive days for an individual extraction well or three (3) consecutive days for a treatment system, or whenever cumulative downtime exceeds seven (7) days in one (1) thirty-day period for any well or treatment system. The notification describes the problem that caused the shutdown, the measures taken to remedy the problem, and the estimated restart schedule. The NYSDEC contact name, address, phone numbers and e-mail address are provided in Section 6 of this document. In the case of an extraction well shutdown exceeding five (5) consecutive days or a treatment system shutdown exceeding three (3) consecutive days, verbal notification is provided within seven (7) days following the event. For cumulative downtime of an individual well or treatment system exceeding seven (7) days in one month, notification is provided by the fifteenth day of the following month.

1.1.3 Maintenance Objectives

The primary maintenance objective is to minimize equipment down time by efficiently monitoring and tracking various operational parameters and by implementing preventive corrective measures to avoid a failure. The operators' maintenance tasks are designed to provide timely and accurate tracking of operating parameters by ensuring that the equipment and facilities are kept in good repair; that records are properly maintained; that signs of damage, deterioration, or inoperability are detected and remedied; and that emergency situations or events are promptly addressed.

A combination of system performance readings, (e.g., pump flow, pump discharge pressure, motor amperage operating parameters, pumping water levels and local monitoring well levels) are important in determining when additional maintenance and/or repair tasks are necessary. Collectively, the operating parameter data provides first-hand intelligence that is used to identify the need for adjustments, maintenance and/or repairs.

An inventory of critical backup and replacement parts is maintained to provide the operators and subcontractors involved in troubleshooting, diagnosis and repair with a means of performing repairs quickly. Typically, a spare pump and motor for each extraction well, spare flow meters, fuses, level control relays, and critical control and monitoring system parts are stocked for immediate use during system repairs.

Preventive maintenance of the treatment system components is performed in accordance with the manufacturers' recommended schedules. Corrective maintenance and repairs are performed by trained on-site service technicians with assistance as required by qualified electrical and mechanical subcontractors.

1.1.4 Monitoring Objectives

The principal monitoring objective is to collect, compile and evaluate data necessary to assess the effectiveness of the groundwater extraction, collection and treatment systems on an ongoing basis. This objective is accomplished by measuring flow rates and water levels, and by collecting and analyzing groundwater treatment system influent and effluent samples. The monitoring program is designed to provide a complete operational picture of the system effectiveness, and for this reason it is important that the collected data is accurate and consistent and that analytical protocols are strictly followed.

1.2 Purpose and Scope

The purpose of this manual is (1) to provide Site personnel with clear documentation of the existing groundwater extraction, collection and treatment systems; and (2) to outline standard operating procedures and routine maintenance activities.

The remainder of this manual is organized in six additional sections:

Section 2 – Safety Guidelines
Section 3 – System Description and Operation
Section 4 – System Maintenance
Section 5 – System Monitoring
Section 6 – Emergency Personnel Contact List
Section 7 – Drawing and Documentation Maintenance

2 SAFETY GUIDELINES

Tasks described in this manual are performed in accordance with the Site Health and Safety Plan (HASP). However, the potential causes of accidents can typically be traced to the following situations: indifference, inattention, neglect, poor housekeeping, lack of knowledge, carelessness, faulty supervision or a combination of these factors. This section is intended to provide important safety guidelines for the operation, maintenance and monitoring of the remediation systems.

In addition to using common sense, the system operators and service personnel employ personal practical experience, a sound electrical and mechanical background, and established safety procedures.

The use of proper personal protective equipment (PPE) is essential during sampling, monitoring, chemical handling and other procedures involving the handling of or potential contact with contaminated groundwater, granular activated carbon and other substances that are potentially harmful or hazardous. Since the systems use electrically powered equipment and pressurized mechanical systems, electrical safety procedures and precautions to relieve mechanical system energies and pressures prior to performing certain maintenance tasks are necessary to maintain operator safety.

2.1 Confined Spaces

"Confined space" means any space having a limited means of egress, not designed for continuous human occupancy, and into which a person can bodily enter to perform work. Confined spaces at the Site may include shored excavations that are deeper than they are wide and certain areas of the groundwater treatment system such as well pits and tanks. Confined space entry is defined as inserting any part of the body past the plane of the portal to the confined space. For example, putting one's arm into a large tank constitutes confined space entry; looking into the tank from outside the manway does not.

All confined spaces, including those containing granular activated carbon, are presumed to be potentially dangerous and entry requires the issuance of a confined space entry permit. Appropriate safety measures should always be taken before entering a confined space or vessel. Under no circumstances is a vessel to be entered without an authorized confined space entry permit.

Confined spaces may be entered for various sampling and maintenance purposes. These activities are conducted by personnel who have received specific confined space entry training as part of or in addition to the required 40-hour HAZWOPER training (with 8-hour annual refresher training, where applicable). Specific procedures for entering confined spaces are described in Section 13 of the HASP.

2.1.1 Confined Space Entry Permit

A confined space entry permit is a written document provided to allow and control entry into a permit-required space. In the case of a non-permit-required space, the entry permit serves as the written certification required by OSHA that the space is safe for entry. The form presented in Appendix C of the HASP, or an equivalent form, shall be completed for all permit-required confined spaces. No one shall enter a permit-required confined space unless a permit, authorized for the specific location and activity, has been completed by the field team leader or other trained professional. A new confined space permit is required daily, or when an activity stops and starts up again after a delay.

2.1.2 General Caution Concerning Granular Activated Carbon

Activated carbon preferentially removes oxygen from the atmosphere. In closed or partially closed containers and vessels containing carbon, oxygen concentrations may reach dangerously low levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low-oxygen spaces should be followed, including applicable Federal and State requirements.

2.2 Electrical Safety and Lockout/Tagout

To protect individuals working on the Site from accidental or unexpected activation of mechanical and/or electrical equipment during maintenance, repair, cleaning, servicing, or adjusting of machinery or equipment, lockout/tagout procedures must be followed.

The term “lockout” refers to the practice of using keyed or combination security devices (“locks”) to prevent the unwanted activation of mechanical or electrical equipment. The term “tagout” refers to the practice of using tags in conjunction with locks to increase the visibility and awareness that equipment is not to be energized or activated until such devices are removed. Specific procedures for lockout/tagout are described in Section 13 of the HASP and are reproduced below.

2.2.1 Preparation for Lockout/Tagout

Select the appropriate lockout procedure. Make a survey to check that all isolating devices that apply to the equipment have been identified. There should be a specific procedure for equipment with more than one energy source.

2.2.2 Sequence of Lockout or Tagout System Procedure

Follow the sequence outlined in the lockout procedure. Notify affected employees that a lockout is going to be used and the reason for its use. The authorized employee shall know the type and magnitude of energy that the machine or equipment uses and shall understand the hazards associated with the machine or equipment.

If the machine or equipment is operating, shut it down by the normal stopping procedure (depress stop button, open toggle switch, etc.).

All energy-isolating devices that are needed to control the machine's energy source should be identified by the procedure and must be located. Lockout devices must be affixed to each energy-isolating device by authorized employees with assigned individual locks or tags. Lockout devices must be affixed in a manner that holds the energy isolating devices in a "safe" or "off" position. After the energy-isolating device has been locked out, potentially hazardous stored or residual energy (such as springs, elevated machine members, hydraulic systems and air, gas, steam or water pressure) must be relieved, disconnected, restrained and otherwise rendered safe.

To verify that energy sources have been disconnected, operate the push button or other normal operating controls to make certain the equipment does not operate. CAUTION: Return operating control(s) to "neutral" or "off" position after the test.

The equipment is now locked out or tagged out.

2.2.3 Restoring Machines or Equipment to Normal Operations

After the maintenance activity is complete and equipment is ready for normal operations, check the area around the machines or equipment to verify that no one is exposed.

After tools have been removed from the machine or equipment, guards have been reinstalled and employees are in the clear, remove lockout and tagout devices. Operate the energy-isolating devices to restore energy to the machine or equipment.

2.2.4 Use of Multiple Tags

In the preceding steps, if more than one individual is required to lockout or tag out equipment, each shall place his or her own personal lockout/tag out device on the energy isolating device(s). When an energy-isolating device cannot accept multiple locks or tags, a multiple lockout device such as a hasp may be used. If lockout is used, a single lock may be used to lockout the machine or equipment with the key being placed in a lockout box that allows the use of multiple locks to secure it. Each employee then uses his/her own lock to secure the box. As each person no longer needs to maintain his or her lockout protection, that person removes his or her lock from the equipment, hasp or box.

2.2.5 Temporary Removal of Lockout/Tagout Devices

In situations where lockout/tagout devices are temporarily removed from the energy-isolating device so that the machine or equipment can be energized to test or position the equipment or component, the following sequence of actions is followed:

- Remove non-essential items and check that machine or equipment components are operationally intact.
- Notify affected employees that lockout/tag out devices have been removed and verify that all employees have been safely positioned or removed from the area.
- Have employees who applied the lockout/tag out devices remove the devices.
- Energize and proceed with testing or positioning.

- De-energize all systems and reapply energy control measures in accordance with Section 2.2.2 of these procedures.

2.2.6 Informing Contractors

If contractors are in an area where lockout/tagout is being used, then the individual applying the lockout/tagout informs the contractors of the elements of the program. If contractors are performing work in which they are applying lockout/tagout, then the contractor provides information about their program to personnel in the area.

2.2.7 Common Pitfalls of Lockout/Tagout

The lockout/tagout procedure is to be adhered to in situations when working on electrically powered equipment. The following is a list of common failures of lockout/tagout systems that are to be avoided:

1. Failure to use the lock.
2. Locking through another lock instead of through the device to be locked-out.
3. Leaving the key in the lock.
4. Asking others to attach the lock.
5. Failure to use tags.
6. Failure to check inside switch box and confirm with a voltage meter that the power has been properly disconnected.
7. Pulling fuses without performing a lockout.
8. Failure to identify all switches and disconnects in-line with the equipment.
9. Assuming the equipment is inoperable and failing to lockout.
10. Assuming the job is too small to merit locking out.

3 SYSTEM DESCRIPTION AND OPERATION

As of December 31, 2018, groundwater containment and recovery operations consisted of 11 extraction wells. Of the 17 extraction wells that operated during 2018, six extraction wells were deactivated or decommissioned before the end of the year. These wells included EN-91T (shutdown January 29, 2018 and decommissioned in July 2018), EN-107R (shutdown May 29, 2018), EN-194 (shutdown March 12, 2018 and decommissioned in July 2018), EN-133 (shutdown May 29, 2018), EN-215T (shutdown June 27, 2018), and EN-451P (shut down January 4, 2018 and decommissioned in July 2018). In addition to the wells which were decommissioned or rendered inactive in 2018, two additional extraction wells (EN-428, EN-253R) were deactivated on February, 21, 2019 prior to the completion of this OM&M update. The locations of the active and inactive extraction wells are shown on Figure H3-1. Average well yields in 2018 ranged from less than 1 gpm to 126 gpm. The combined average monthly extraction rate for 2018 was 319 gpm, with a combined average monthly minimum of 243 gpm and a combined average monthly maximum of 448 gpm. Groundwater pumped from all but one of the extraction wells in 2018 was treated at one of four stand-alone groundwater treatment facilities (GTFs) operated by IBM on Jefferson, Garfield, and Adams Avenues, and on Clark Street. Groundwater pumped from extraction well EN-107R in the Railroad Corridor Source Area was treated at the Huron Organic Treatment Facility (Huron OTF). All four treatment facilities that were active in 2018 are shown on Figure H3-1.

Available well logs and construction diagrams for each of the extraction wells and tables summarizing extraction well specifications and pump information are included in the GTF system files.

3.1 Conveyance Piping

Groundwater conveyance piping issued-for-construction (IFC) and as-built drawings are included in the attached figures and the GTF system files.

3.2 Treatment Systems

The groundwater extracted from each of the extraction wells was treated at one of the four following groundwater treatment facilities: Clark Street GTF, Adams Avenue GTF, Garfield Avenue GTF, or Jefferson Avenue GTF. The Robble Avenue GTF, which was constructed to treat groundwater extracted from two OU#7 extraction wells, EN-154R and EN-218, was shut down in 2014 and was fully decommissioned in 2018.

Groundwater extracted from well EN-107R was treated at the B/096 OTF as part of Huron's response to a fuel oil spill that occurred in the area of EN-107R in April 2012. Huron's treatment of EN-107R withdrawals began in October 2012. Extraction well EN-114T was installed in September 2013 to supplement extraction well EN-107R, which exhibited declining hydraulic performance. The declining performance of well EN-107R was caused by biological fouling of the well screen and nearby formation associated with the Huron fuel oil spill. To facilitate Huron's remediation effort of the petroleum release and alleviate the persistent biological fouling, i3 Electronics, Inc. treated the groundwater withdrawals from well EN-107R at the B/096 OTF. Groundwater withdrawals from well EN-114T in 2014 and 2015 were also treated at the B/096 OTF. In 2016, groundwater from EN-114T was redirected to the Clark Street GTF except for a brief period in March 2016 when the EN-114T discharge was conveyed to the Huron OTF during a maintenance review of above-ground conveyance piping.

Well EN-114T is located about 175 feet northwest of EN-107R, near the Huron, LLC truck dock garages on the west end of Building 048. The wellhead is protected by a 12-inch raised concrete pad, concrete bollards and a small aluminum wellhead Hot Box enclosure. The wellhead Hot Box is fitted with a local disconnect switch for pump servicing, small wellhead heater and instrument junction box with 230 VAC, single-phase power supplied by the EN-107R well house. An in-well level transducer provides a continuous 4-20mA level signal to a variable speed drive (VFD) in the EN-107R well building to a new control panel constructed for automatic groundwater pumping water level control, flow monitoring and alarm interfacing with the IBM Clark GTF. EN-114T is connected to the EN-107R well house with heat-traced and insulated double-wall high density polyethylene pipe (HDPE) 3-inch pipe that is entirely above grade and mounted on the western side of Building 048 and a Huron LLC utility trestle. The EN-114T piping in the EN-107R well house is fitted with shutoff and throttling valves, pressure gauges, clean-out "Y" fittings, provisions for back flushing with potable water and a sample port.. Significant improvements were made to the EN-114T conveyance system in 2018 to improve the operators' ability to maintain the system and also reduce its operating pressure and increase the systems flow capacity if necessary. Those improvements were accomplished in two phases and included replacement of the original 2-inch fiberglass piping located between EN-114T to the EN-107R well house with 3-inch HDPE, adding additional clean-out fittings, and replacing 90 degree pipe elbows with sweep elbows. The 2-inch conveyance piping located from the EN-107R wellhouse to the B/46S transfer station (Figure H3-2) was supplemented with the installation of a new 3-inch HDPE conveyance piping line intended for the dedicated use of EN-114T discharge water, with the former 2-inch piping now intended as a back-up conveyance system or for use to provide potable water from B/46S to the EN-107R well house for back flushing and pipe maintenance purposes. The EN-114T flow meter was relocated from the EN-107R well house to the B/46S transfer station in 2018 to improve access for inspection, cleaning and calibration and as part of the discharge pressure reduction work. After passing through the flow meter in B/46S, the EN-114T discharge is connected to a 3-inch HDPE discharge dual-wall conveyance pipe system which currently conveys the groundwater to the Clarke Street facility. In 2018, the EN-114T wellhead was also modified with a flush 2” weld-on pitless adapter and a wellhead flange to improve well rehab efficiency as part of a well rehabilitation pilot testing program.

The control system for well EN-114T is interlocked with the Clark Street GTF for monitoring of flow data and alarms. Monitoring well EN-533, located about 80 feet south of EN-114T, serves as a sentinel monitoring well while EN-114T is pumping.

The other three GTFs were constructed in the 1980s and treat groundwater from extraction wells located south of North Street.

3.2.1 Clark Street GTF

Groundwater extracted from wells EN-219R, EN-114T, and EN-709 is treated at the Clark Street GTF (Figure H3-3). Construction of the Clark Street GTF was completed in December 2007. The structure is located on the north side of Clark Street near the east end of the Huron campus adjacent to a New York State Electric and Gas (NYSEG) electrical substation in an area that was formerly a section of North Arthur Avenue. The building is a two-story concrete block structure measuring roughly 72 feet long by 52 feet wide with a ground floor and a mezzanine. The building includes a lavatory and an office on the ground floor. The office has a desk, file storage, and a computer that runs the Site-wide Intellution® iFix Supervisory Control and Data Acquisition (SCADA) software and Win-911 operator alarming system.

The Clark Street GTF treatment train (Figure H3-4) is located on the mezzanine level of the building. The treatment train consists of a 3,000-gallon polyethylene equalization tank, a QED Environmental Type 316L stainless steel Model EZ-36.6SS aerator with a forced draft blower, inlet air and off-gas duct heaters and two (2) 8,000-pound Calgon® Model VS-8 vapor-phase carbon vessels connected in a series arrangement for aerator off-gas treatment. A third vapor-phase treatment vessel for the air stripper effluent air stream in the Clark Street GTF was installed in July 2013 to extend the time interval between changes of vapor-phase treatment media while maintaining the VOC removal efficiency of the treatment system. The third vessel is located on the upper GTF mezzanine next to the two 8,000 pound vapor-phase carbon vessels and is piped in-series with those units. The third or polishing vessel is filled with 4,000 pounds of Hydrosil HS-600 potassium permanganate-impregnated zeolite media. Two water treatment chemicals, a deposit control agent (Redux 300) and a biofouling control agent (Redux 620) are added to the air stripper influent water after the EQ Tank to control bacteriological fouling in the aerator. The Clark GTF also has a 1,000-gallon polyethylene tank, bag filtration assemblies, and an air operated double diaphragm pump used for separation and for solids handling from conveyance line flushing and maintenance.

The pumps for extraction wells EN-219R, EN-114T and EN-709 can operate based on either levels transmitted from submersible level transducers or conductivity level sensors in the wells and water level control relays in the control panels. Extraction wells EN-219R, EN-709, and EN-114T incorporate variable frequency drives (VFDs) and use control inputs from submersible level transducers in the wells to maintain programmed well level setpoints. In addition, well EN-219R is configured as a vacuum-assisted well. Small concrete well house structures housing above-ground piping, instrumentation, and chemical metering systems are located near extraction wells EN-107R, EN-219R and EN-709.

The B/46S Transfer Station, which consists of a larger concrete structure that houses instrumentation, chemical metering systems, and a transfer tank with pumps (Figure H3-2). The chemical metering pumps and transfer tank and pumps were shut down in February 2019 when extraction wells EN-428 and EN-253R were shut down. The B/46S building also incorporates a flow display and the flow meter for EN-114T and a potable water source and connections for conveyance line back flushing. Local controls for the operation and monitoring of well EN-114T are located in the EN-107R well house.

Groundwater extraction well EN-709 is located in Operable Unit #5 (OU#5): Building 57 Area. The well is located on the east side of the Gault Toyota dealership facility which is located south of the railroad tracks in the southern portion of OU#5. Groundwater withdrawals from well EN-709 are treated in the Clark Street GTF. Extraction well EN-709 was brought online on June 19, 2013 with a targeted average withdrawal rate of about 9 gallons per minute (gpm).

The extraction system for well EN-709 includes a small aluminum wellhead Hot Box with electrical junction and disconnect boxes located adjacent to the extraction well. The EN-709 well house is a prefabricated cast concrete 8 feet x 10 feet well building that was installed on the north side of the railroad tracks within the Huron campus fence line and is used for control, monitoring, and metering of well EN-709. The extraction well uses an in-well level transducer to provide a continuous level signal to a variable-speed drive in the well house control panel for automatic groundwater pumping water level control. A potable water supply is available at the EN-709 well house for conveyance pipe back flushing and line maintenance from the well house to the EN-709 well and the Clark GTF. In 2018, EN-709 was fitted with a weld-on flange to improve well rehabilitation efforts and reduce the rehabilitation work time frame requirement during business hours at Gault Toyota. Extracted groundwater is pumped directly from the well, through the well house for metering, and then to the Clark GTF equalization tank through the Hayes C-6 conveyance pipeline. Nearby monitoring well EN-715 is used for tracking the performance of extraction well EN-709.

The post-treatment effluent is discharged to the Susquehanna River via Outfall 006 through the Endicott municipal storm sewer system. This outfall is authorized under the Order and is explained in the OM&M Plan Addendum.

3.2.2 Treatment Systems at Adams Avenue, Garfield Avenue and Jefferson Avenue

The Adams Avenue GTF, Garfield Avenue GTF and the Jefferson Avenue GTF each use granular activated carbon (GAC) as the primary unit operation for groundwater treatment. The following subsections first describe the common characteristics of these systems and then describe their individual configurations.

3.2.2.1 Common Elements of Granular Activated Carbon GTFs

The GAC vessels used by IBM in Endicott, New York are down-flow, fixed-bed adsorbers, with a simple design that is widely used for groundwater treatment applications. The treatment systems installed at the Garfield Avenue GTF and Jefferson Avenue GTF consist of one two-stage liquid-phase GAC system and associated valves, controls and piping systems. The treatment system at the Adams Avenue GTF, which also has one two-stage liquid-phase GAC system (A1) of similar size and configuration to the Garfield Avenue and Jefferson Avenue GTF systems, was modified by expansion of the existing GTF building to include an additional two-stage liquid-phase GAC system (A2). The original adsorption system at the Adams Avenue GTF (A1) and the systems installed at the Garfield Avenue and Jefferson Avenue GTFs were designed and fabricated by Adsorption Systems Inc. (ASI). The GAC system (A2) installed in the Adams Avenue GTF expansion consists of a Calgon Model 8 modular two-stage liquid-phase GAC adsorber system.

In January and February 2013, modifications were completed to the air release systems on the aqueous phase carbon treatment vessels in the Jefferson Avenue, Garfield Avenue, and Adams Avenue (A1 system only) GTFs. Design and construction of the modifications were initiated in December 2012 to improve removal of air from the carbon treatment vessels to maintain wetting of the carbon and improve VOC removal performance. The modifications at the three GTF's included the installation of sloped piping at each vessel dome top, particulate strainers, and high capacity air release valves to automatically purge air accumulations from the top of each carbon vessel. Secondary protective alarming systems incorporating air sensing probes installed at the top of each GTF carbon vessel are designed to automatically shut down the extraction wells and treatment systems in the event of a fouled air release unit.

The components of all three ASI treatment systems include two (2) 8,225-gallon carbon steel vessels, each 10 feet in diameter with a cone-shaped bottom, dished head, and a straight shell measuring 10 feet high. The internal surface of each ASI vessel is lined with a vinyl ester resin material to minimize corrosion and abrasion. The vessels are 75 pounds per square inch (psi)-rated units equipped with four 4-inch diameter flanged ports at the domed top, one each for carbon fill, groundwater influent, and potable water for cleaning, and a spare equipped with an air release valve. Each system is equipped with a 75 psi rupture disk on the piping manifold to prevent over-pressurization of the vessels. Each vessel also has a side-mounted access manway. The two adsorption vessels each contain 20,000 pounds of granular activated carbon.

The ASI vessels are piped in series so that groundwater is pumped through the first (lead) vessel for primary treatment and then through the second (lag) vessel for polishing. Groundwater enters the vessels through a four-inch flange located at the top center of the dished head. Inlet flow distribution is accomplished by leaving space above the top of the carbon bed for approximately 3.5 feet of free-board water. This volume of water above the bed is approximately 2,000 gallons and allows for equalization of the incoming stream and tends to distribute flow evenly across the top surface of the carbon bed. The treated water is collected through a series of underdrain screens at the bottom of the vessels and then exits through a common discharge header pipe.

The Calgon vessels are piped identically to the ASI vessels described above for series, lead-lag operation and differ mainly in vessel size and GAC holding capacity. The Calgon vessels are also constructed of vinyl ester-lined carbon steel, but they are eight feet in diameter with dished top and bottom heads and straight shells that are eight feet high. The GAC holding capacity of the vessels is 10,000 pounds each and each vessel holds a volume of 4,000 gallons. The inlet flow distribution is accomplished in a similar manner to the ASI vessels by leaving approximately 3.5 feet of free-board above the top of the carbon bed or approximately 1,400 gallons of water above the bed for equalization and flow distribution. Similar to the ASI vessels, the treated water is collected through a series of underdrain screens at the bottom of the vessels and then exits through a common discharge header pipe.

The Calgon vessels are rated for 75 psi and include rupture disks to prevent over-pressurization. The influent and effluent nozzles are 6-inch diameter and the carbon fill and return nozzles are 3-inch diameter. Each vessel has a 20-inch diameter, side-mounted access manway. Design specifications for these carbon vessels are shown on Table 3.1.

Table 3.1: Carbon Vessel Design Specifications

No. of units / GTF	Two (2) - Garfield and Jefferson Four (4) - Adams
No. of trains / GTF	One (1) - Garfield and Jefferson Two (2) - Adams
Type of Operation	Manual
Design Pressure	75 psig

Test Pressure	150 psig (ASI) 84 psig (Calgon)
Shell Diameter	10' 0" (ASI), 8' 0" (Calgon)
Straight Shell Height	11' 0" (ASI), 8' 0" (Calgon)
Overall Length (approx.)	19' 0" (ASI), 18' 9" (Calgon)
Type of Heads	ASI - 2:1 semi-elliptical, (top) ASI - Cone (bottom) Calgon - 2:1 semi-elliptical, (top and bottom)
Code	ASME
Tank Lining	Plasite (40 mils #4110)

Each carbon adsorption system operates in a down-flow mode with the two carbon vessels in series using a lead and lag mode of operation. Carbon vessels are scheduled for carbon removal and replacement (change-out) based on results of monthly monitoring of system midpoint VOC concentrations. Depending on influent concentrations, each vessel typically has operated in one mode for 3 to 16 months on average. The vessel configuration is switched when the lead vessel requires a carbon change, at which time the former lead vessel is replaced with new carbon and becomes the lag or polishing vessel with the former lag vessel becoming the lead vessel.

Each carbon adsorption system is equipped with a piping and valve skid with identification tags that allows the operator to control the flow of water for lead/lag operation and carbon change-out activities. Labeled sampling ports are installed on the skids for sampling of the individual wells, system total influent, mid-carbon sample, and treated effluent prior to discharge. The skids also include ¾-inch diameter air piping for use in assisting with carbon changes (requiring a separate air source), miscellaneous valving, gauges, and a backflow preventer for the potable water feed.

3.2.2.2 Adams Avenue GTF

The Adams Avenue GTF (Figure H3-5) is a two-story block building originally 50 feet long by 24 feet wide and later expanded by an additional 36 feet in length. The structure is located on the northwest corner of the intersection of Adams Avenue and Monroe Street.

The purpose of the Adams Avenue GTF expansion was to allow separate treatment of the Adams Avenue extraction well groundwater withdrawals sharing similar water chemistry. One withdrawal stream, consisting of groundwater extracted from wells EN-185P (inactive), EN-492T (inactive) and EN-D49, and referred to as the A1 line, is treated by the original ASI-constructed GAC system. The other stream, consisting of groundwater extracted from wells EN-447T, EN-195 (inactive) and EN-491T and referred to as the A2 line is treated by the Calgon-constructed Model 8 GAC system. The treated effluent is discharged along with treated effluent from the ASI system to a common outfall (Outfall 003M). Discharge from this outfall (Outfall 003M) is authorized under the Order. A process flow diagram (PFD) for the Adams Avenue GTF is included as Figure H3-6.

The Adams Avenue GTF was originally constructed in 1985 as the third of three off-site facilities that use liquid-phase carbon to treat water from groundwater extraction wells. The extraction wells that are currently connected to the Adams Avenue GTF are EN-185P (inactive), EN-491T, EN-492T (inactive), EN447T and EN-D49 as shown on Figure H3-1. Total system combined flow rate for the three active wells typically averages 190 gpm with about 25 gpm treated by the original ASI (A1) system and 165 gpm treated by the newer Calgon (A2) system. The original ASI carbon adsorption system (A1) is designed for a flow rate of 200 gpm. The newer Calgon carbon adsorption system (A2) is designed for a flow rate of 350 gpm. Total system combined flow rate for the three active wells currently averages about 173 gpm**.**

A third 8,225-gallon vessel was installed in the original GTF for use as a temporary holding tank during carbon changes; however, the vessel has not been used for this purpose in recent years. The tank is now used as a grit tank in conjunction with the media filters and a centrifuge (US Centrifuge Model A-540) to remove suspended solids from wastewater generated at the Site prior to treatment in the GTF in the A1 system.

The A1 system extraction wells pump groundwater to an equalization tank and from there the collected groundwater is pumped through one of two media filters for suspended solids and iron removal prior to treatment in the GAC system. The filters contain a backwashable filtration media (Filox-R) and operate with one filter on-line and one filter off-line. When the inlet pressure to the on-line media filter reaches the set point backwash pressure, the two filters swap on-line/off-line position and a backwash sequence is initiated. Backwash water is directed to the grit tank where solids are allowed to settle prior to being pumped through the centrifuge. The centrifuge dewaters the solids and discharges them to a 55-gallon drum for eventual waste disposal.

The Empty Bed Contact Time (EBCT) for the Adams ASI vessels at the design capacity of 200 gpm is 29 minutes, which is well above the recommended minimum of 15 minutes. The carbon bed surface-loading rate for the Adams ASI vessels at the design flow is 2.5 gpm/ft^2, which is within the acceptable range of 1 to 6 gpm/ft^2.

The outlet flow distribution at the Adams Avenue ASI system is through eight (8) discharge flanges around the conical base of the vessel, each equipped with a 3.5-inch outside diameter by 12.5-inch long Delrin® distributor pipe fitted with eight (8) Hydrosphere® nozzles for a total of sixty-four (64) Hydrosphere® nozzles.

The Adams ASI system uses Hydrosphere® nozzles for the underdrain. These nozzles have nominal 0.008-inch slots with an open area of 0.9 square inches, permitting a nominal flow capacity of 3 to 5 gpm per nozzle. The Hydrosphere® nozzle pressure drop at 3 to 5 gpm nominal flow is a fraction of one psi and the activated carbon media-Hydrosphere® interface results in an additional pressure drop of 0.5 to 1.0 psi. Therefore, the total pressure drop from nozzles at nominal flow is 0.75 to 1.25 psi. Each upgraded vessel has 64 Hydrosphere® nozzles; therefore, the nominal design rating based on just the Hydrosphere® underdrain is 320 gpm.

The outlet flow distribution at the Adams Avenue Calgon system (A2) is through a circular internal 4-inch diameter PVC pipe header with fifty (50) Orthos Model C2 distribution nozzles connected to a common 6-inch diameter discharge nozzle at the base of each vessel.

In 2012, the Adams A1 carbon system vessel domes were fitted with larger air release valves and probes designed to shut down the A1 system should excessive air build up in either vessel. The ladder and platforms supporting these vessels were upgraded to provide safe access and maintenance of the air release system. The valve tree on the A2 system tanks was also modified in 2016 to better isolate the two tanks and prevent cross-contamination caused by corrosion of the components.

3.2.2.3 Garfield Avenue GTF

The Garfield Avenue GTF (Figure H3-7) is a two-story steel building, measuring 34 feet long by 20 feet wide, located 50 yards northeast of the intersection of Monroe Street and Garfield Avenue. The treated effluent water is metered and discharged to the Susquehanna River through the Village of

Endicott municipal storm sewer system at Outfall 001M. Discharge from this outfall is authorized under the Order. A process flow diagram for the Garfield Avenue GTF is included as Figure H3-8.

The Garfield Avenue GTF was the first of three off-site facilities that use liquid-phase carbon to treat water from local groundwater extraction wells. The extraction wells served by the Garfield Avenue GTF include active extraction wells EN-276, EN-276R and EN-284P and inactive, but available extraction wells EN-215T, EN-499T, and EN-92P, the latter of which can also serve as an injection well. (Figure H3-1). Total system combined flow rate for the three active wells currently averages about 40 gpm**.**

The Empty Bed Contact Time (EBCT) for the Garfield Avenue GTF at the design capacity of 250 gpm is 23 minutes, which is well above the recommended minimum of 15 minutes. The carbon bed surface-loading rate for Adams at the design flow is 3.1 gpm/ft^2, which is within the acceptable range of 1 to 6 gpm/ft^2.

The Garfield Avenue GTF system uses Hydrosphere® nozzles for the underdrain. These nozzles have nominal 0.008-inch slots with an open area of 0.9 square inches, permitting a nominal flow capacity of 3 to 5 gpm per nozzle. The Hydrosphere® nozzle pressure drop at 3 to 5 gpm nominal flow is a fraction of one psi and the activated carbon media-Hydrosphere® interface results in an additional pressure drop of 0.5 to 1.0 psi. Therefore, the total pressure drop from nozzles at nominal flow is 0.75 to 1.25 psi. Each vessel has 50 Hydrosphere® nozzles; therefore, the nominal design rating based on just the Hydrosphere® underdrain is 250 gpm.

An injection water supply tank equipped with piping, valves and instrumentation to supply treated groundwater to the inactive injection wells is connected to the Garfield Avenue GTF via the 3-inch inside 6-inch HDPE conveyance piping for wells EN-529T, EN-530T and EN-92T and a 4-inch diameter HDPE conveyance pipeline installed for well EN-501T. Inactive injection well EN-525T is connected via 2-inch diameter HDPE conveyance piping. In 2012, the GTF infrastructure and injection system piping and Hot Box structure supporting inactive EN-529T was modified to incorporate additional piping and control components intended to support inactive injection well EN-530T which was started on July 26, 2012.

The Garfield GTF received a number of upgrades and modifications in 2012 which included replacement siding on the original structure, new downspouts, and a large steel addition on the west side of the building. The GTF addition houses a 3,000-gallon equalization tank, transfer pump, and associated controls and mechanical piping and components. The equalization tank was installed to help reduce a drop in system pressure and provide additional potential flow capacity from the system extraction wells as well as to eliminate entrained air prior to the carbon system. The carbon vessel domes were modified to incorporate larger air release valves and air sensing probes to assist with removing entrained air or to provide an automated system shutdown should that condition occur in one of the carbon vessels. The ladder and platforms supporting these vessels were upgraded to provide safe access and maintenance of the air release systems. Extraction piping located within the Grant Avenue garage (supporting extraction wells EN-215T and EN-499T) was also modified to reduce operating pressure drop.

A significant maintenance event occurred at the Garfield GTF during June and July of 2016. Each carbon tank was cleaned by an approved asbestos contractor following removal of the carbon. In addition, several feet of the lower steel vessel cone was removed from each vessel after corrosion was identified during the cleanings, and the lower cone areas were rebuilt with new steel components followed by relining with an epoxy resin to address future corrosion on the inside of the carbon vessels. The valve tree between the lead and lag carbon vessels was significantly reworked to provide isolation and eliminate the potential for cross-contamination caused by corrosion of the valve assemblies. A new manway ladder and platform were installed on the northern tank to provide improved access and safety during carbon changes, the western wall of the GTF was modified, and a new catwalk was designed and installed on the southern tank to provide easier access to that vessel’s manway.

The EN-284P extraction well Hot Box was upgraded to a precast concrete 12-foot-by-12-foot structure in the fall of 2013 with the work completed in December 2013. The upgrade work included the following changes: 1) elimination of the aluminum Hot Box for EN-284P; modification of the diameter of the piping and flow metering components from 2-inches to 3-inches within the new building; 2) relocation of the eastern EN-284P compound fencing to align with the new building, 3) providing improved Huron LLC parking lot access; and 4) addition of two dedicated parking spaces to provide operator and crane access for well maintenance on the western end of the fenced enclosure. Monitoring well EN-284TS, located in the area of the new well building, was decommissioned on July 9, 2013 after it was considered to be an unnecessary part of the Site's wellfield monitoring system. Extraction well EN-284TD continues to serve as an inactive backup well to extraction well EN-284P.

Modifications were also made to the conveyance piping connected to the Garfield Avenue GTF to segregate withdrawals from groundwater extraction well pair EN-276/EN-276R from withdrawals from groundwater extraction well EN-284P. The modifications required an excavation along Grant Avenue and HDPE pipe fusing and rerouting. The subsurface conveyance pipe from EN-284P was removed from the G-3 conveyance pipe formerly shared with EN-276 and EN-276R and joined to the G-4 conveyance pipe, which is also shared by extraction wells EN-215T and EN-499T. The G-3 pipe is dedicated for extraction wells EN-276 and EN-276R and is piped directly to the new air stripping system in the Garfield GTF.

A new air stripping system for treatment of groundwater withdrawals from EN-276 and EN-276R was installed in the Garfield Avenue GTF between August and October 2013. The air stripper treatment system includes: a dedicated Type 316 stainless steel Model 2351 tray air stripper; a 5 horsepower (HP), 230 VAC, 3-phase induced draft blower; inlet and discharge vapor duct heaters before and after the air stripper; two model HF-VS2000 Calgon vapor-phase carbon units operating in series, each filled with 2,000 pounds of activated carbon; and a third HF-VS2000 Calgon vessel in series after the carbon-filled vessels with approximately 4,000 pounds of Hydrosil HS-600 potassium permanganate-impregnated zeolite media for polishing. GTF infrastructure modifications made to provide air stripping treatment capabilities included piping modifications to segregate the EN-276 and EN-276R groundwater withdrawal flow streams from the other extraction wells feeding the Garfield Avenue GTF and installation of two new effluent transfer pumps.

The air stripper is located in the newer western building addition portion of the Garfield Avenue GTF building that was constructed in 2012. The three vapor system vessels are housed in two 8-foot by 20-foot by 8-foot heated and insulated steel containers located to the west and south sides of the GTF addition. Outfall piping modifications included construction of a raised platform with a 500-gallon tank for mixing of the EN-276/EN-276R air stripper effluent with the Garfield carbon system effluent water prior to discharge to the GTF outfall. A Freije magnetic descaling system was installed on the air stripper inlet piping, and new controls and instrumentation were installed for operation, metering and monitoring of the air stripping system. Construction of the air stripping treatment system was completed between August and October 2013. Operation of the new air stripping system started on October 31, 2013 and was shut down in June 27, 2018 when extraction flows were reconsolidated to the aqueous phase carbon system after injection was halted.

3.2.2.4 Jefferson Avenue GTF

The inactive Jefferson Avenue GTF is a two-story wooden building, measuring 22 feet wide by 43 feet long, located on Jefferson Avenue midway between Monroe Street and North Street (Figure H3-9). This GTF was deactivated in May 2018 after extraction well EN-133 was shut down, and the activated carbon was removed from the vessels at that time. The GTF remains available for use in the future should extraction well EN-133 be reactivated. Treated effluent water is metered and piped for discharge to the Susquehanna River through the Village of Endicott municipal storm sewer system. Discharge from this outfall (Outfall 002M) is authorized under the Order should the GTF be reactivated.

The only extraction well currently able to be served by the inactive Jefferson GTF is inactive well EN-133 (Figure H3-9). A process flow diagram for the Jefferson Avenue GTF is included as Figure H3-10.

The EBCT for Jefferson at the operating flow of 116 gpm is 47 minutes, which is well above the recommended minimum of 15 minutes. The carbon bed surface-loading rate for Jefferson at design flow is 1.4 gpm/ft^2, which is within the recommended acceptable range of 1 to 6 gpm/ft^2.

The Jefferson system uses Hydrosphere® nozzles for the underdrain. These nozzles have nominal 0.008-in. slots with an open area of 0.9 square inches, permitting a nominal flow capacity of 3 to 5 gpm per nozzle. The Hydrosphere® nozzle pressure drop at 3 to 5 gpm nominal flow is a fraction of one psi and the activated carbon media-Hydrosphere® interface results in an additional pressure drop of 0.5 to 1.0 psi. Therefore, the total pressure drop from nozzles at nominal flow is 0.75 to 1.25 psi. Each vessel has 40 Hydrosphere® nozzles; therefore, the nominal design rating on the Hydrosphere underdrain is 200 gpm.

In December 2012 and January 2013, the Jefferson carbon system vessel domes were fitted with larger air release valves and probes designed to shut down the system should excessive air build up in either vessel. The vessels were also fitted with additional ladders and platforms intended to provide safe access and maintenance of the air release system. Instrumentation, Controls and Remote Monitoring

This section describes the existing components and systems for instrumentation, monitoring and control of the extraction wells and associated treatment systems. The first subsection describes the treatment system controls and the second subsection describes the extraction and collection system controls. For discussion purposes, the term “controls” refers to the electrical components and logic used to operate and protect each well pump and the associated buildings and/or conveyance systems. The instrumentation equipment, including flow meters, is used to obtain data. The monitoring equipment is used to display, store and review data from each location and to alert operators of alarm conditions requiring attention.

IBM uses radio transmitters at remote locations to send operating data and alarms to a monitoring computer (PC) in the Clark Street GTF running Intellution® iFix SCADA software. Real-time operating data readouts and historical databases are accessible on the IBM iFix system both locally on the PC and remotely through a secure, virtual private network (VPN) connection by authorized operators and other personnel.

The SCADA system includes graphical screens to display real-time operating data and a historical database to allow logging and trending of instrumentation and control inputs throughout the Site-wide monitoring and control network. In addition to the iFix SCADA software, a Specter Instruments Win-911 alarm monitoring and notification software is used to log alarm occurrences and notify operators on call to respond to alarm conditions at any of the GTF locations. A third software product, Sytech’s Excel Reporter, is used to supply operators with a daily report of Site system status and to create custom reports using information from the iFix database.

3.2.3 Treatment System Controls

Instrumentation and controls for the treatment systems have been designed to provide extraction well flow rate and cumulative flow total monitoring, freeze protection, leak detection and alerts to operators of alarm conditions. The following paragraphs describe the typical configuration of those functions at the various GTFs.

Potable Water Meters - Each GTF and the transfer station (B046S) has a positive displacement meter installed for monitoring potable water usage. A 2-inch Neptune Trident positive displacement bronze flow meter is installed where the potable water lines enter the Garfield Avenue, Adams Avenue and Jefferson Avenue GTF buildings. For Adams Avenue, a separate, 2-inch Badger positive displacement bronze flow meter measures water used during backwashing operations.

Extraction Well Flow Meters - Either George-Fisher Signet insertion style magnetic meters or, in the case of extraction well EN-219R, an Omega Engineering transit time ultrasonic meter are used for measuring flow from each of the extraction wells. Each meter is equipped with an Omega Engineering, stand-alone datalogger that records flow rate hourly. Volumetric pulse flow signals and instantaneous flow rate values are sent to monitoring control panels equipped with a programmable logic controller (PLC) and spread spectrum radio modem communicating via wireless antenna on the Site-wide GTF system dedicated wireless Ethernet network. The flow signals from each well are monitored at the iFix PC located in the Clark Street GTF and are logged in the historical database at 10-second intervals. Flow totals and flow rates from the local displays for each well flow meter are also manually recorded during each well inspection. Flow meters for wells with a history of fouling are inspected and cleaned as required on a weekly basis to maintain reporting accuracy. The sum of the individual well flow totals provide the total flow to the outfall locations for each respective GTF.

Alarms - Each GTF building is equipped to detect alarm conditions that are presently monitored by the IBM SCADA system. These alarm conditions are (1) a low building temperature and (2) a leak detected as a high level in the floor sump. The response to alarm conditions is provided by the system operators, and the high level alarm condition will also automatically shut down the influent wells feeding the GTF.

3.2.4 Extraction and Collection System Controls

In addition to flow rate monitoring discussed in 3.3.1, monitoring and alarm capabilities at each location include the following:

> **All GTF Locations –** GTF low temperature, building sump high level, conveyance piping secondary containment leak sensor alarms, extraction well low flow alarms, influent pressure high alarms (for liquid-phase carbon systems), low air flow alarms (for air stripping systems), PLC communication failure alarms;
>
> **All Hot Box Locations –** Hot Box containment pan high level, low temperature alarm, pump motor failure.

Well pump, treatment system, and Hot Box wellhead enclosure alarms are presently sent to the Clark Street GTF Win-911 alarm monitoring system as they occur and system operators are notified via cellular phone with custom voice messages identifying alarm conditions. Motor current monitoring devices have been installed at every extraction well pump control location to detect pump motor failure.

3.3 Containment and Leak Detection Systems

Provisions have been made to detect and contain leaks as groundwater is pumped and treated. All extraction well underground piping is constructed with secondary containment piping encasing the carrier piping. Each of the GTFs is equipped with a leak alarm and some level of secondary containment. Leak detection alarms have been installed at the transfer building (B046S) for wells EN-253 (inactive) and EN-428P/EN-428 (inactive), and also provide a general containment alarm for the building for misc O&M and conveyance piping work. All Hot Box enclosures (EN-447T, EN-219R, EN-276/276R, EN491T) are equipped with stainless steel secondary containment pans and leak detection alarms, as do the smaller well head Hot Box units at the EN-114T, EN-219R, EN-284P and EN-491T well heads. The concrete metering and control enclosures supporting wells EN-D49, EN-219R, EN-107R (inactive, now used for EN-114T O&M), EN-284P, and EN-709 have sealed concrete floors with stainless steel angle berms and leak detection float switches where the well piping enters the building to provide containment and a leak detection alarms.

4 SYSTEM MAINTENANCE

The following sections provide details for achieving the maintenance objective as it pertains to the groundwater extraction, collection and treatment systems. The maintenance activities are described along with their schedule. Tables of Scheduled Maintenance and Monitoring Tasks and Daily Operator Log Sheets, as well as Electrical, Instrumentation and Control Drawings, reference photos of the control panels with identification for various components, and Manufacturer's Literature are included in the GTF system files.

4.1 Groundwater Extraction Systems

As described in the Operations and Maintenance Objectives (Sections 1.1.2 and 1.1.3), the groundwater extraction systems are maintained to minimize downtime. The following sections describe how the extraction pumps and wells are maintained to meet the stated objective.

4.1.1 General Extraction System Maintenance

Extraction pumps are routinely monitored for pump discharge pressure, flow rate, amperage draw, line voltage and pumping water level. It is important that the extraction wells consistently deliver their target flow rates and target pumping water levels as listed in the Well Summary Tables included in the GTF system files along with the Grundfos® 4-inch Pump Curves and Specifications and Franklin® Motor Specifications. This information should be used for reference and assistance in troubleshooting pump and motor operation. By comparing the pump curves to field measurements of discharge pressure, well level and flow rate and using this information in conjunction with amperage and voltage readings, the operator is able to successfully determine the correct course of action to keep the extraction system pumps in operation.

4.1.2 Well Inspections

Extraction well performance and determination of associated maintenance is based on operator observation and operator and instrumented measurement of extraction well pumping water levels, tracking of well yields, and monitoring of selected monitoring well water levels.

Well specifications, average flow rates and target extraction well pumping water level ranges are shown in the Well Summary Table filed in the GTF files. Daily extraction well flow rates are monitored electronically and manually several times per week by the system operators. Weekly operator readings are also taken manually to measure extraction and associated monitoring well water levels.

Pumping water levels for wells operating under vacuum conditions, potentially including EN-185P (inactive), EN-284P, EN-428 (inactive), EN-219R, EN-499T (inactive), EN-447T, EN491T and EN-492T (inactive) can only be measured through observation of nearby monitoring wells due to the effect of the vacuum on these wells.

4.1.3 Extraction Well Testing and Televiewing

The need for extraction well testing and cleaning is determined by reviewing operational measurements. These measurements may indicate a trend of decreasing well performance (pumping rate/water level) and associated trend of rising well levels in nearby monitoring wells that cannot be remedied with pump maintenance or cleaning of the discharge piping.

In this situation, the system operator may elect to perform both pre- and post-cleaning tests on the well as part of the well cleaning efforts. For those extraction wells with a history of more rapid fouling (e.g., wells EN-276, EN-219R, EN-709,), the operator may elect to expedite the well maintenance by removing the well equipment and proceeding directly to the cleaning step. For this situation, and potentially for other extraction wells that may show a declining performance trend, the operator may also elect to teleview the well using a downhole camera to inspect the well interior and condition of the screen.

Televiewing involves lowering into the well a specialized remote camera equipped with a light source. The camera is attached by cabling to a device which can display video output at the surface. The cabling is typically marked to allow manual level measurements corresponding to the position of the camera, and the video display has been programmed to include level information with the video output. Televiewing the well and the screened interval within the well can provide valuable information as to factors that may affect well performance. For example, evidence of bio-fouling, scale formation, inorganic deposits and well damage are typically visible using this technique.

If either the trend or camera inspection indicates that cleaning may be required, then the following test can be used to document the effectiveness of the process at the operator's discretion.

1. Measure the current pumping flow rate.
2. Measure the pumping water level.
3. Measure the water level in nearby monitoring wells identified in the table. (Example: Measure monitoring well EN-183 for extraction well EN-185P.)
4. After notification of operations personnel, shut down the extraction well at least 1 hour prior to start of testing.
5. After notification of operations personnel, shut down local extraction wells that may affect this test at least one hour prior to the test. Extra recovery time is preferable if possible.
6. Perform a pre-rehabilitation step-drawdown test using manual measurements, typically with two persons, one to monitor the pumping water level and one to check the flow rate and associated local monitoring well water level. A second or preferred option is to perform the test using two downhole data logging devices such as InSitu Mini Trolls to minimize manpower requirements and provide additional data from each well.
7. Configure the test to use at least three pumping steps. Start the first step of the drawdown test, typically at 25% to 33% of the average flow rate. (Example: If well EN-185P is averaging 8-9 gpm, then start the first step at 3 gpm.) Monitor the pumping water level every minute for a minimum of 15 minutes per step.
8. Using a second water level indicator, measure the water level in the nearby associated monitoring well every minute or as often as feasible, at least every 5 minutes on average.
9. After the final flow step and pump shutdown, continue to monitor both the extraction well and the local monitoring well for at least 15 minutes for a well recovery step.
10. Repeat the test at 50% to 67% of flow and so on until reaching 100% of flow.
11. Perform well rehabilitation activities.
12. Perform a post-well rehabilitation step-drawdown test.

4.1.4 Well Rehabilitation

Historically, both mechanical and chemical well rehabilitation methods (collectively, the Well Rehabilitation Procedure) have been used at this Site. These well rehabilitation methods evolved over several years and were developed using an approach that has proven successful at other locations with similar material buildup characteristics.

Should the well rehabilitation step be required, this procedure has proven to be the safest and quickest cleaning method for well screens and localized well sand pack areas. This procedure typically requires a minimum of two trained operators and can be accomplished in a relatively short time with the potential to clean several wells in a typical scheduled cleaning event.

The well rehabilitation procedure consists of first performing either a borehole inspection with a downhole camera and/or a step-drawdown test at each location to establish data on the well condition prior to the cleaning, followed by an in-well heating approach used in conjunction with cleaning chemicals to break down materials in the well screen and pack area. The heating and chemical cleaning process is followed by mechanical cleaning using special surging and wiping tools sized to fit different well diameters, followed by use of an air lift pump to remove residual sediments and materials from the well bottom and screen. Recovered sediment and materials are drummed and disposed of appropriately. Depending on the results of the televiewing and fouling assessment, the operators may elect to eliminate or modify one or more of these procedures such as the thermal or chemical steps.

The well cleaning procedure is implemented as follows:

1. Obtain pre-cleaning data on well flows, water levels and local monitoring well levels.
2. Lockout and tagout associated electrical and discharge piping for the extraction well.
3. Thoroughly clean and decontaminate downhole equipment used in the well both before and after insertion in the well, including televiewing and rehabilitation equipment.
4. Create a recirculation loop from the pump discharge piping back to the well with appropriately sized, chemically resistant, high-pressure hose rated for a minimum of 90 psi. Recirculate a 5% solution (based on static well bore volume) of Redux® Technologies Redux 610 alkaline chemical treatment solution to assist in breaking up bacterial slime formations and to inoculate the well bore area for 2-4 hours while periodically monitoring pH. Use 2 to 4 ounces of Chemtreat FO120 antifoaming agent if excessive foaming occurs. In certain preventive maintenance situations for some wells the well and piping maintenance may be limited to this recirculation step.

5. Remove in-well equipment including the extraction pump and associated water level control instrumentation as applicable from the well and wrap such equipment with plastic sheeting for the duration of the well work. A measurement of the top of the pump setting including the distance from top of casing to pump intake should be taken and recorded during this step. A suggested alternative is to measure and record the distance from the top of casing to the pump intake.

6. Measure the well water temperature prior to the start of cleaning. A manual measurement with a thermometer or an electronic thermometer may be used for this purpose.

7. Using the specially constructed in-well electrical heating system or water/steam jetting heads sized appropriately for each well, raise the water temperature within the extraction well to a minimum of 110 to 125 degrees F. Maintain the elevated temperature for at least 30 to 60 minutes, depending on the availability of potable water used to create the steam source. Concentrate at least 45% of the heating or steaming efforts within the well screen location, raising and lowering the steam head within this area slowly at an average rate of no more than 12 inches per minute.

8. Periodically measure the rise of the extraction well temperature until the minimum temperature has been reached (110 to 125 degrees F).

9. Remove the heating equipment and begin surging and air lifting to remove particulate material that was generated from the steaming and cleaning efforts. The discharge from the air lift pump must be directly connected to a vented 55-gallon drum to avoid operator contact with the heated well water. Each operator must wear appropriate safety equipment such as eye and face protection and insulated gloves when contacting hoses or equipment discharging the heated water. The air lifting is typically accomplished using short timed air pulses to the downhole surge block/check valve assembly to lift the sediment from the well bore. Surging is continued until the discharge water has cleared and the surge head can be felt against a solid well bottom.

10. Water is decanted from collected sediment and treated at the Adams Avenue or Clark Street GTFs. Collected solids are drummed, sampled and disposed of in accordance with the Waste Management Plan, a separate document not included in this manual.

11. At the conclusion of the well cleaning, a post-cleaning camera inspection may be performed to assess the effectiveness of the cleaning if the problem was related to fouling of the well screen. Following camera inspection, well equipment is reinstalled, lockout devices are disabled, and pumping is re-established. Rehabilitation and in-well inspection equipment is also decontaminated and prepared for reuse at that time.

4.2 Groundwater Treatment Systems

Maintenance requirements for the groundwater treatment systems are explained in the following sections.

4.2.1 GTF Maintenance Requirements

The GTF buildings are kept clean, organized and in good repair. The operators record and correct problems with the buildings that require minor maintenance and a maintenance activity request is submitted to IBM for major repair work. The buildings are given a thorough monthly inspection to verify that heating, ventilation, drainage and lighting systems are in good working order. In addition, spill containment and leak detection alarms are inspected and tested monthly.

4.2.2 Carbon System Maintenance Requirements

The Clark Street GTF and Garfield Avenue GTF air stripping systems use vapor-phase granular activated carbon vessels of a similar configuration followed by a third polishing vessel filled with Hydrosil HS-600 potassium permanganate-impregnated zeolite media. The vapor-phase carbon and polishing vessels are changed out routinely by the vendor according to a schedule based on predicted carbon usage or system performance monitoring. The vendor performs vacuum and re-bed operations according to this schedule. For vapor-phase carbon or polishing media change-outs, site operator involvement includes providing access to the vessels, assisting with loading and unloading bagged carbon for over-the-road transportation, and physically inspecting the carbon vessels after spent carbon has been removed and after fresh carbon has been re-bedded. The remainder of this section of the manual focuses on the Adams Avenue GTF and Garfield Avenue GTF liquid-phase granular activated carbon vessels, which are of the same general size and configuration. The following sub-sections describe maintenance common to the liquid-phase carbon systems.

4.2.2.1 Routine Carbon System Maintenance

Routine monitoring of system pressures and flows and inspection of the exterior of the vessels and piping for signs of corrosion or leaks is an important routine day-to-day maintenance activity for the carbon systems. The operator checks the observed readings against baseline normal readings, especially for pressure, to predict possible plugging of the media in the carbon vessels. If inlet and mid-point pressures deviate from normal baseline by more than 10 psi, then backflushing of the beds with potable water may be necessary. Water used in the backflushing is collected in the building sump, pumped through bag filters and then through the carbon treatment system.

4.2.2.2 Water Quality Parameters Causing Interference With The Adsorption Process

It is important for the operator to be aware of water quality parameters that may interfere with the performance of the granular activated carbon adsorption systems. The following is a list of parameters to review if a drop in performance is experienced. In most cases, the groundwater fed to the treatment systems should remain relatively consistent in water quality throughout the course of operation; however, seasonal and other factors, such as heavy road salting, extended periods of rain or drought can sometimes alter the water quality and possibly affect performance.

4.2.2.2.1 Total Organic Carbon

Total organic carbon (TOC) is the heterogeneous mixture of organic compounds including primarily humic substances as well as humic acid and fulvic acid. These compounds are adsorbable and reduce the capacity of the carbon to adsorb the chemicals of concern listed in Section 1.1.1. However, some of the substances comprising TOC are non-adsorbable, resulting in the immediate appearance of TOC in the effluent (i.e., breakthrough).

4.2.2.2.2 Iron and Manganese

Iron and manganese are known to cause fouling problems in filtration systems. Both metals may be oxidized by dissolved oxygen and precipitate within the GAC pores. Capacity loss is expected as pores become filled with oxidized materials. Accelerated degeneration of the carbon results if inorganic compounds are not removed from the carbon prior to regeneration. These changes may be attributable to the oxidation of the carbon structure, which may be catalyzed by inorganic compounds such as Fe_2O_3, CaO, and NaO.

4.2.2.2.3 Calcium Carbonate

Lime-softened water or water supersaturated with calcium carbonate may result in the deposition of calcium carbonate on the GAC particle, which could cement the filter grains together, causing an increase in grain size and deterioration in water quality, or reduction in the adsorptive efficiency of the GAC.

4.2.2.2.4 Turbidity

In some cases where highly turbid water is applied directly to GAC, rapid breakthrough may occur. This situation has been attributed by some to coating of the GAC particles by the solids, which acts as a barrier to adsorption. It is also possible that other factors, such as competitive adsorption from background TOC, may have contributed to observed effects in these cases.

4.2.2.2.5 Biological Growth

Biological growth may occur within the GAC filter and, over time, may plug the filter media, resulting in increased operating pressures and requiring more frequent backwashing. However, microbial activity may extend the filter bed life for biodegradable compounds. Degradation of organic substances by microbial growth on carbon may contribute to improved removal of compounds, including TOC.

4.2.2.2.6 Entrained Air

The GAC vessels should be fully wetted during operations. Entrained air can cause reduced treatment efficiency or accelerated breakthrough. Deep vacuum-enhanced operation of extraction wells may also allow fine entrained air into the liquid GAC systems. Electrical power losses or routine or unscheduled system maintenance may cause partial drainage of the vessels in some situations, allowing air to build up within the units. The Garfield, Jefferson (inactive), and Adams A1 systems have been fitted with air release valves and automated shutdown probes to eliminate this potential condition.

4.2.2.3 Granular Activated Carbon Change-out Instructions

The following carbon change-out procedures apply to the two active GAC systems. When the carbon adsorption capacity of the lead bed has been exhausted, a carbon change-out must occur in which spent carbon is removed from the lead vessel and replaced with fresh carbon and the lead-lag positions of the two vessels are reversed. The lead adsorber contains spent carbon and water, and is readied for carbon transfer to an empty trailer, which is then returned to a reactivation facility. This is accomplished by pressurizing the adsorber with approximately 30 psig of compressed air to transfer the slurry to the trailer. Cam-Lok® connections and heavy-duty reinforced rubber transfer hose are used to transfer the carbon/water slurry to and from the carbon delivery trailer as well as the drain water from the trailer. Hoses dedicated to the project that are intended specifically for use with used or virgin carbon are marked and stored at several GTFs, including the Garfield GTF expansion. All connections are checked and secured for leak-tightness prior to the transfer of either carbon slurry or water. When the transfer is complete, the spent carbon in the trailer shall be drained by pressurizing the trailer and blowing the water out through the drain line to the plant sump system. The water is then processed back through the lag bed. Water used in the carbon transfer process is collected and treated.

Specific changeout procedures have been developed for different GTFs and for inspection of vendor vehicles prior to the start of the transfer process. Additional checklists have been developed for the vapor carbon transfer process and for final inspection of carbon vessels at the end of the changeout process. Carbon change-out checklists and carbon vendor forms are included in the GTF system files. These checklists are completed during each carbon change.

4.3 Groundwater Collection Systems

Maintenance requirements for the groundwater collection systems are explained in the following sections, and scheduled maintenance and monitoring tasks are summarized in the table included in the GTF system files.

4.3.1 Conveyance Piping

Maintenance of the conveyance piping involves monitoring extraction well pump discharge pressures and flow rates, and performing pipe cleaning when there is evidence of line blockage indicated either by increasing discharge pressures or decreasing flow rates. The operator must inspect the visible portions of the piping routinely for evidence of leaks and coordinate repairs as needed. A scheduled inspection on all conveyance piping is performed and documented. This inspection includes a visual component inspection of straight runs, joints, valves, flanges, unions and other piping components for signs of stress, corrosion, deformities, weeping and leaks. The inspection also reviews recorded pressure data for trends that may indicate problems in the system.

4.3.2 Containment and Leak Detection Systems

The containment and leak detection systems are tested quarterly. The operators manually position each leak detection float switch to its trip point and monitor the Win-911 alarm monitoring system located in the Clark Street GTF to verify that the correct alarm message was transmitted to the PC and that the dialer dialed out to and notified the correct respondent with a message corresponding with the tested leak detection float alarm location. Leak detection alarms are tested annually for correct operation.

4.4 Waste Management

With the exception of solids generated at the Adams A1 centrifuge system and occasional solids generated by as-required back flushing of Clark conveyance piping from wells EN-114T, EN-219R and EN-709, the groundwater extraction and treatment systems at the Site do not routinely generate solid waste streams. Some activities related to the maintenance of the equipment and systems do result in the generation of wastes and these situations are handled as described in the following sections. Wastes that are generated are handled in accordance with the Waste Management Plan, prepared under separate cover.

4.4.1 Solid Waste Generated During Pipe Cleaning and Well Maintenance

As some of the extraction wells are operated, iron and other dissolved inorganic metals precipitate inside wells and piping. To maintain necessary well performance and pumping drawdown levels, it is necessary to clean this accumulated material from the wells and piping. The cleaning operations result in the generation of a slurry consisting of water and the solid precipitate. At the Clark Street GTF, the slurry is initially pumped to the 1000-gallon polyethylene tank, allowed to settle, and then filtered and pumped with an air operated double diaphragm pump through 50-micron polyethylene bag filters with the separated water transferred to the sump. That water is then pumped into the system 3000-gallon EQ tank and processed by the treatment system. The spent bag filters are drummed for disposal. At the Adams Avenue GTF, the slurry is pumped into the grit tank for settling and eventually processed in the centrifuge system where the solids are dewatered and deposited into drums for disposal. The waste drums are managed in accordance with the Waste Management Plan.

4.4.2 Spent Granular Activated Carbon

Granular activated carbon (GAC) is used at each of the groundwater treatment facilities. As discussed in Section 3.2, two of the GTFs use liquid-phase GAC vessels in the groundwater treatment process and one GTF uses vapor-phase GAC and impregnated media vessels for off-gas treatment from air stripping systems. Carbon and the impregnated media for all GAC systems are supplied by a qualified vendor. When the GAC or media has reached its adsorptive capacity for removal of VOCs, the spent carbon is removed from its respective vessel by the vendor and is replaced with virgin or reactivated carbon or fresh media. Following the carbon change-out process, the spent carbon is shipped via the truck that delivered the replacement carbon to a designated vendor facility, where it is reactivated and stored for future use.

4.4.3 Spent Mechanical Component Waste

When mechanical components of the systems, such as pumps, motors, piping, instrumentation and related items require replacement due to failure or age, the spent components that have been in contact with groundwater are triple-rinsed with clean water. The collected rinse water is pumped through the Adams Avenue or Clark Street GTF where it is treated. For non-metal components, a sample of water from the third rinse is collected prior to treatment and sent for VOC analysis. Pending analysis, the items awaiting disposal are wrapped in plastic or stored in a sealed and labeled container. Following receipt of the analytical results from the laboratory, the materials are managed in accordance with the Waste Management Plan. Metal components are typically recycled as scrap metal.

4.4.4 Investigation-Derived Waste

Drill cuttings containing solids (soil and/or rock chips) and liquids are generated sporadically at the Site during Site investigation activities. This investigation-derived waste is typically drummed for disposal and a representative sample of the drummed materials is collected and sent for analysis. Following receipt of the analytical results from the laboratory, the investigation-derived waste is managed in accordance with the Waste Management Plan.

5 SYSTEM MONITORING

The following sections describe how the Monitoring Objectives are achieved for the groundwater extraction and treatment systems.

5.1 System Sampling Procedures

This section outlines the procedures for performing the sampling formerly required by the SPDES permit and continuing under Order on Consent Index #A7-0502-0104. Sample bottles and shipping containers are provided by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania and are shipped weekly to the offices of Groundwater Sciences Corporation in Vestal, New York. Overnight return shipping, ice, and packing materials are arranged by the sampling team.

5.1.1 Sample Collection

The discharge outfalls are 001M (Garfield Avenue at Monroe Street), 002M (inactive, Jefferson Avenue at Monroe Street), 003M (Adams Avenue at Monroe Street) and 006M (Clark Street at the intersection of Hayes Avenue and Clark Street). The locations of these outfalls are shown on Figure H3-1.

Effluent samples are collected at least monthly from outfalls 001M, 003M, and 006M. Mid-stream samples (from between carbon vessels) and influent samples are collected at least monthly from the Garfield and Adams GTFs (no mid-stream locations exist at the Clark GTF). Influent, effluent, and mid-stream samples are analyzed for VOCs by SW-846 Method 8260C. Effluent samples are also screened in the field for pH.

On September 7, 2006, the Department provided sampling requirements for initial startup of GTFs following changes, such as the addition of new wells. If new groundwater extraction wells are added to a groundwater treatment system, then that system is monitored for pH and VOCs twice per month for the first three months of operation unless otherwise specified. Thereafter, the monitoring frequency reverts to monthly unless the monitoring data indicate that the treatment system is not meeting the discharge limits.

On October 2, 2012, the Department approved the use of Redux 300 water treatment chemical at the Clark Street GTF (Outfall 006M) and included a requirement that total phosphorous be added to the monthly analysis performed at Outfalls 003M and 006M when this water treatment chemical is used. On July 27, 2018, the Department approved use of Redux 525 water treatment chemical at the Adams Avenue GTF (Outfall 003) and Redux 620 at the Clark Street GTF (Outfall 006).

Samples for VOC analysis typically are collected during the first week of each month in three 40-ml glass VOA vials per location. In addition to the treatment system samples, one field blank sample consisting of two VOA vials is collected and one trip blank sample is processed for each monthly sampling event. Three additional 40-ml vials filled with organic-free water are provided by the laboratory for filling the two field blank vials. The field and trip blanks are analyzed for VOCs by SW-846 Method 8260C. A pH measurement of the effluent water is also required within 15 minutes of effluent sample collection.

The samples are collected using the following procedures:

1. Use only new 40-ml sample bottles supplied by the testing laboratory. The sample bottles contain a preservative ($NaHSO_4$ or HCl) supplied by the laboratory. This preservative should not be handled or removed from the bottles.
2. Wear clean chemical resistant gloves, replacing as necessary.
3. Never touch the top of the sample bottle or the inside of the cap.
4. Always collect the effluent sample first, followed by the mid-stream sample, and then the influent sample.
5. Noting the time, slowly open the sample valve to provide a ¼-inch stream of water. Allow water to flow from the sampling port for at least 15 seconds before collecting a sample. Fill each of the three sample bottles to barely overflowing to verify that there is no headspace. A visual mounding of the water (meniscus) should be evident at the top of each bottle.
6. Screw the cap onto the bottle carefully so as not to spill any water or lose the meniscus, and tighten the cap.

7. Turn each bottle upside down and tap the cap, checking the bottle for air bubbles. If a bubble is present, remove the cap (do not remove any water, as this causes a loss of preservative) and add enough additional water to form a meniscus.
8. Fill three 40-ml bottles from each sampling location. Before closing the effluent sampling port, obtain an additional effluent water sample in a clean bottle for pH measurement.
9. Record the total system discharge reading from the flow meter at this time.
10. Use two of the 40-ml bottles supplied by the laboratory for a field blank by placing them on a flat surface near the sampling ports. Slightly overfill each of the bottles using the organic-free water supplied by the laboratory in unlabeled 40-ml bottles. Leave the cap off each bottle until the sampling is completed to allow contact of the water with the ambient air inside the building.
11. The two bottles labeled “Trip Blank” should be left in the insulated shipping container.
12. Label the sample bottles as shown on the Sampling Field Data Sheet (Figure H5-1) and pack them in an insulated shipping container with ice. The ice should be sealed in Ziploc bags to prevent leakage of melted ice during shipment.
13. Fill out the Chain of Custody form supplied by the laboratory with the sample information recorded on the Sampling Field Data Sheet (Figure H5-1), and check that all samples are properly identified. Sign and date the chain of custody (COC) form, retain a copy of the COC, seal the original in a Ziploc bag, and place it in the shipping container.

5.1.2 Special Sampling Circumstances

This section notes special circumstances that may affect the integrity of some treatment system samples and provides procedures for sampling under these circumstances.

The influent for the three active Endicott GTFs is fed by several groundwater extraction sources. To collect an influent sample characteristic of the Site at these locations, several factors are taken into consideration, as described below.

Monthly sampling events for the Endicott treatment systems may be scheduled in conjunction with site activities. These activities may involve planned or unscheduled system maintenance requirements that may entail the shutdown of one or all of the system feed sources to maintain safe working conditions. In an effort to have samples taken during representative operating conditions the following guidelines are observed:

1. The treatment system influent and effluent performance sampling should typically be performed prior to shutting down feed sources for servicing that may affect the overall influent mix/ratio from all sources.
2. If one or more of the feed/extraction sources is not operating, then a sample should not be collected until the problem is corrected. Before the sample is collected, the system should be allowed to operate as long as needed to reach a representative (e.g., equilibrium) condition.

5.1.3 Sample Transportation

The samples must be shipped by priority overnight delivery service or hand-delivered so that they are received by the laboratory within 48 hours of sample collection. The current shipping/delivery address is:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425

Phone: 717-656-2300
Fax: 717-656-2681

5.1.4 Reporting of Results

The laboratory provides 14-day turnaround time for sample analysis by email to the following address and contact person:

Charles Rine, Senior Associate
Groundwater Sciences Corporation
2601 Market Place Street, Suite 310
Harrisburg, PA 17110-9307
e-mail: crine@groundwatersciences.com

5.2 Flow Measurements

Flow measurements are recorded electronically on the individual extraction well dataloggers and on the iFix SCADA system running on the Clark Street GTF PC as described in Section 3.3. The flow information collected on the flow meters is downloaded monthly for use in preparation of monthly discharge monitoring reports and for trending and analysis. The manual operator readings are used as backup to verify discrepancies in the data being collected.

5.3 Water Level Measurements

Water level measurements within extraction wells and associated nearby monitoring wells are recorded weekly using an electronic water level indicator. These measurements are used to track extraction well drawdown and well efficiency trends. By comparing the relationship between the monitoring well level and the extraction well pumping level, an indication as to whether the well is maintaining its design radius of influence (RI) can be obtained. A trend indicating a deviation from the target pumping water level and/or the target level for the associated monitoring well requires action that could involve:

1. Adjusting the extraction well pump discharge flow control valve;
2. Pulling and cleaning the extraction well pump;
3. Back flushing with potable water or scheduling a line pigging to clear the discharge piping from the extraction well to its discharge point;
4. Scheduling a cleaning and rehabilitation of the extraction well screen;
5. Replacing the extraction well pump motor.

A review a pumping or injection flow trends, as well as pump motor amperage and voltage readings is also used to determine the course of action.

6 EMERGENCY PERSONNEL CONTACT LIST

An emergency personnel contact list for the Site is on the following page.

Contacts

Sanborn Head Contact

Dave Shea	603-415-6130 office	603-219-8397 cell

O'Brien & Gere Contact

Jamie Cavotta	315-575-0729 cell	315-956-6836 office

Local Emergency

Endicott Police	911 emergency, 607-785-3341 non-emergency
Endicott Fire Dept	911 emergency, 607-757-2466 non-emergency

Hospitals

UHS Binghamton General Hospital, 42 Mitchell Ave, Binghamton, NY 607-762-2200
Occupational Health Clinic
UHS Occupational Medicine, 33 Mitchell Ave, Binghamton, NY 607-762-2333
United Health Services Walk-In Clinic 1302 East Main, Endicott 607-754-7171
Lourdes Hospital 169 Riverside Dr., Binghamton, NY 607-798-5111

Groundwater Extraction & Treatment Systems

IBM Endicott System Operations

Bruce Spence	607-341-1167 cell	607-785-0837 home
Kelly Devine	607-341-1097 cell	607-321-9074 home cell

IBM Groundwater System Questions / Technical Assistance

Glenn Carson	717-645-2614 cell	717-901-8185 office
Matt Luckman	717-645-2615 cell	717-901-8186 office

IBM Contact (Media Related)

Doug Shelton	914-499-6533 office

IBM Program Managers

Mitch Meyers	703-257-1583 office	571-217-1583 cell
Kevin Whalen	703-257-2582 office	540-233-0676 cell

IBM Contact (Residential Related)

Alison Spare	1-888-738-7968 office	717-919-4723 cell

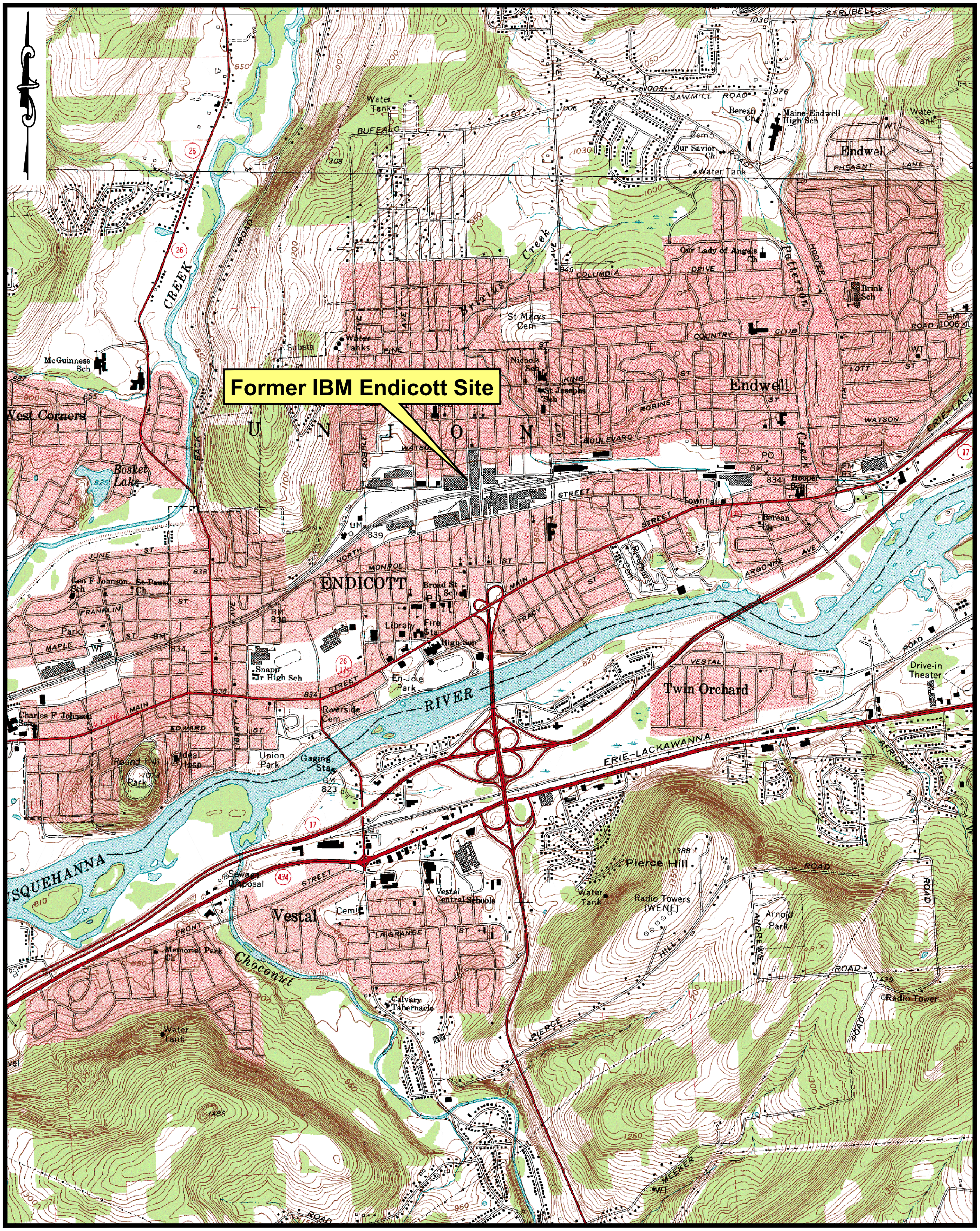
i3 Contacts

Waste Treatment Plant	607-755-1500
Security Control	607-755-3024
Paul Speranza	607-755-6179

Adams GTF - 1711 Adams Ave., Endicott, NY 13760 (Corner of Monroe St. and Adams Ave.)
Garfield GTF - 27 Garfield Ave., Endicott, NY 13760 (Corner of Monroe St. and Garfield Ave.)
Jefferson GTF - 7 Jefferson Ave., Endicott, NY 13760 (Corner of North St. and Jefferson Ave.)
Clark GTF - 1900 Clark Street, Endicott, NY 13760

7 DRAWING AND DOCUMENTATION MAINTENANCE

Modifications to the design of the groundwater extraction, collection, treatment, and monitoring systems are documented by updating the text of this OM&M Manual and the attached record drawings. Changes are annotated on the Site copy of the OM&M Manual and an annual review and update is performed, as appropriate, concurrent with the revision of the OM&M Plan.



Portion of the Endicott, NY and Maine, NY
7.5-minute USGS Quadrangles
(2000)

Scale
0 1500' 3000'

Figure H1-1

Former IBM Endicott Site
Site #704014

Site Location Map

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22007-008-H3 / 04-01-2015

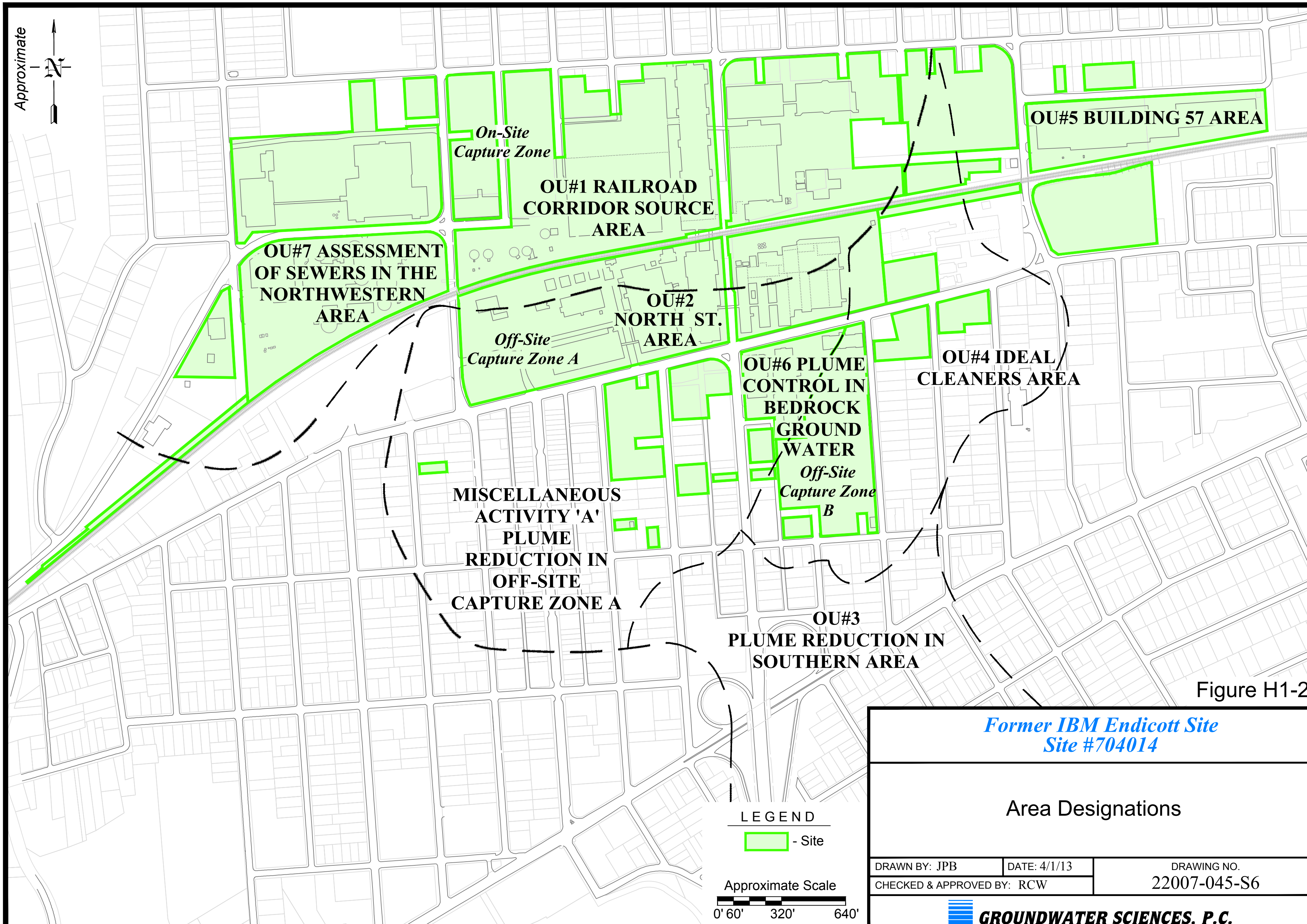

Figure H1-2

Former IBM Endicott Site *Site #704014*	
Area Designations	
DRAWN BY: JPB / DATE: 4/1/13 / CHECKED & APPROVED BY: RCW	DRAWING NO. 22007-045-S6
GROUNDWATER SCIENCES, P.C.	

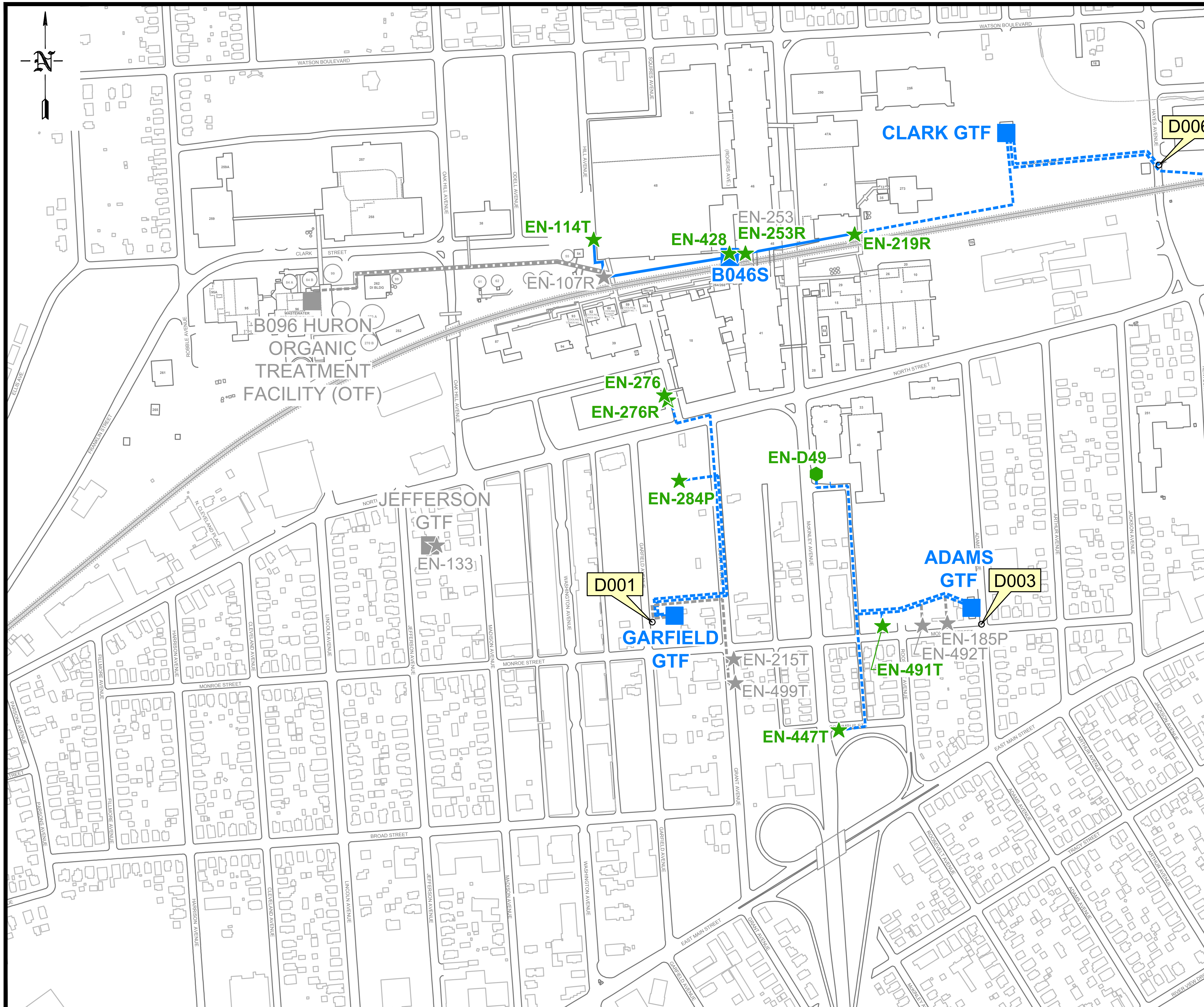

Figure H3-1

Former IBM Endicott Site
Site #704014

Elements of Current Extraction Well Systems (as of December 31, 2018)

DRAWN BY: JPB/MHM	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: RW/ML/CR/SF		22007-450-E2

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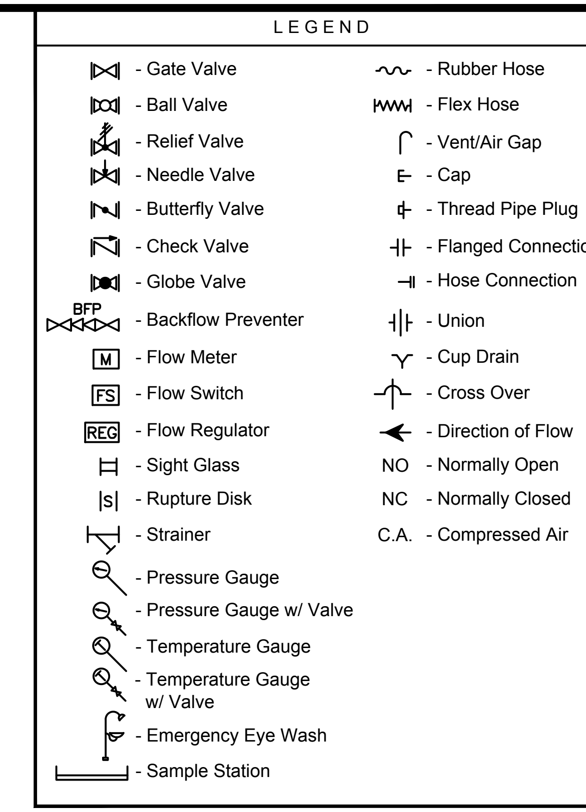
INSTRUMENT IDENTIFICATION LETTERS

	FIRST LETTER	SECOND LETTER	REQUIRES
A	ANALYSIS	ALARM	ALARM
B	BURNER FLAME	USER'S CHOICE	--
C	CONDUCTIVITY (ELECTRICAL)	CONTROL (LER)	CONTROL (LER)
D	DENSITY (MASS) OR SPEC. GRAV.	DIFFERENTIAL/DEVIATION	--
E	VOLTAGE (EMF)	PRIMARY ELEMENT	--
F	FLOW RATE	RATIO/BIAS	RATIO/BIAS
G	GAGING (DIMENSIONAL)	GLASS (SIGHT)	--
H	HAND (MANUALLY INITIATED)	(HIGH)	(HIGH)
I	CURRENT (ELECTRICAL)	INDICATE	INDICATE
J	POWER	SPAN (NER)	--
K	TIME OR TIME SCHEDULE	CONTROL STATION	--
L	LEVEL/LIGHT	LIGHT (PILOT) (LOW)	LOW
M	MOISTURE OR HUMIDITY/MASS		--
N	SOUND/MAGNETIC	SOUND/MAGNETIC	--
O	USER'S CHOICE	ORIFICE RESTRICTION	--
P	PRESSURE OR VACUUM	POINT (TEST CONNECTION)	--
Q	TORQUE	TOTALIZE/QUANTITY	--
R	RADIOACTIVITY	RECORD OR PRINT	RECORD
S	SPEED OR FREQUENCY	SWITCH	SWITCH
T	TEMPERATURE	TRANSMITTER	TRANSMITTER
U	MULTIVARIABLE	MULTIFUNCTION	--
V	VISCOSITY	VALVE, DAMPER OR LOUVER	VALVE
W	WEIGHT OR FORCE	WELL	--
X	SPECIAL	SPECIAL	--
Y	USER'S CHOICE	CONVERTER/SOLENOID	--
Z	POSITION	FINAL CONTROL DEVICE	--



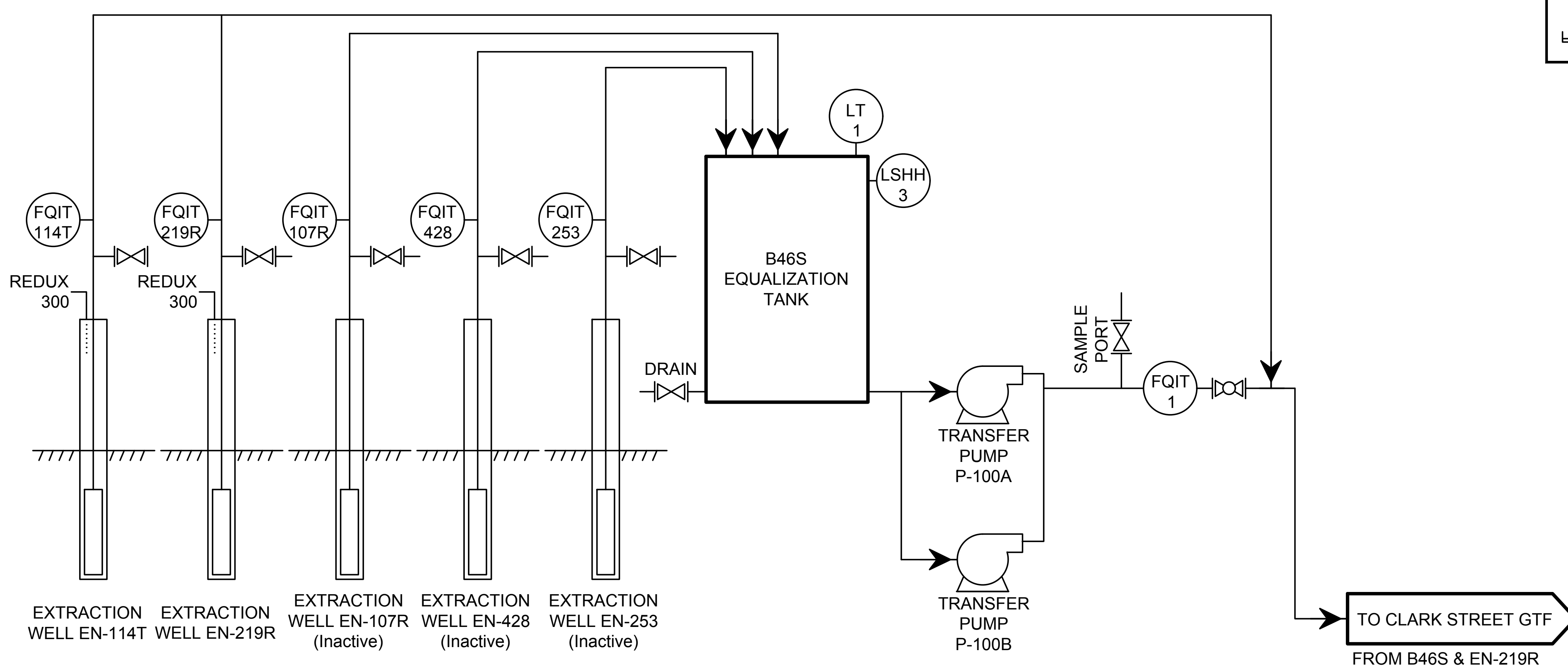


Figure H3-2

Not to Scale

Former IBM Endicott Site
Site #704014

B46S and Hayes Avenue Transfer Station
Process Flow Diagrams

DRAWN BY: JPB/MHM	DATE: 4/3/19	DRAWING NO.
CHECKED & APPROVED BY: ML/GC/SF		22007-081-N1

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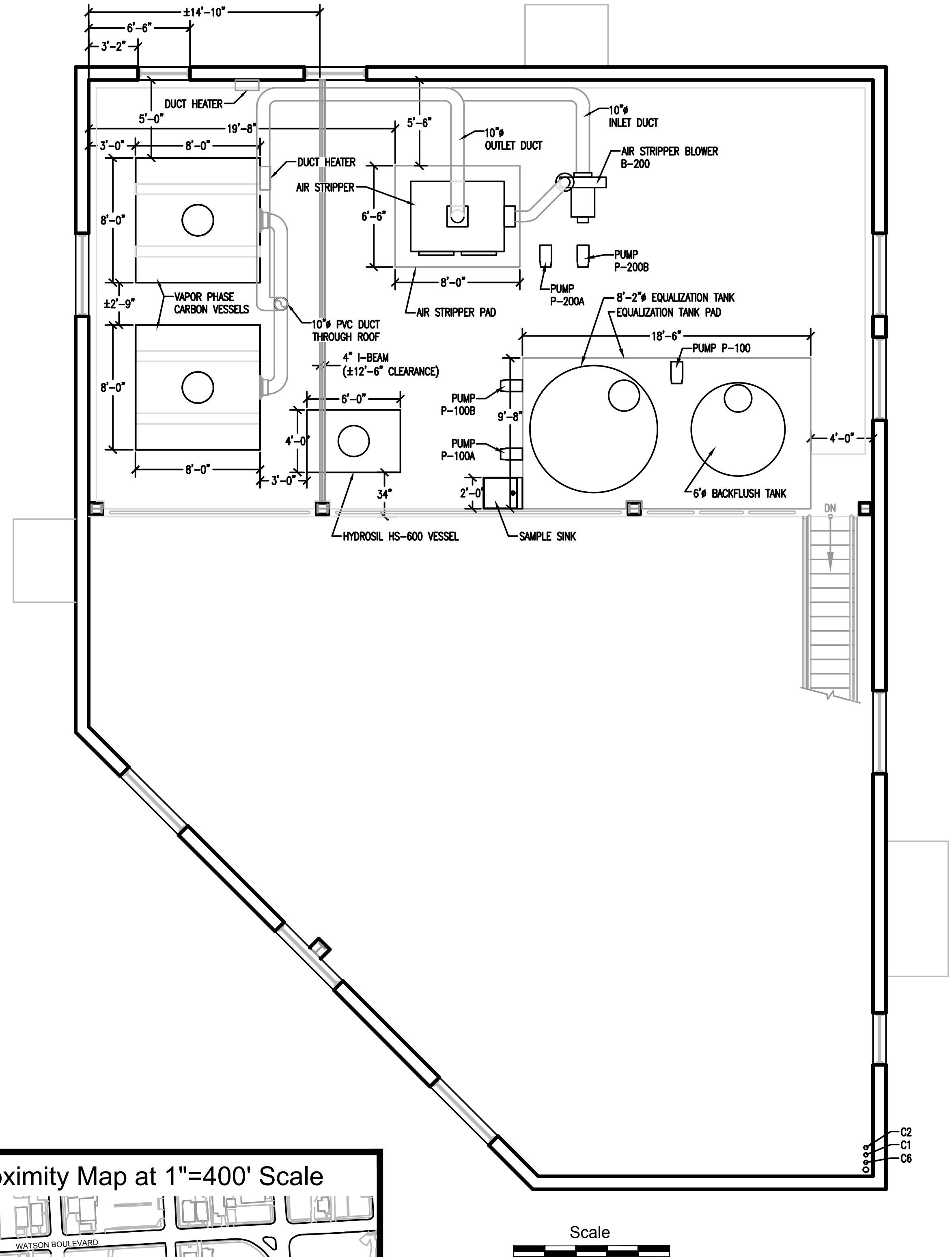

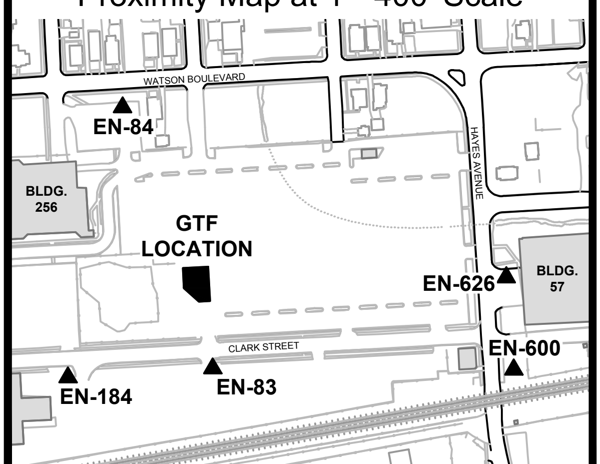

Figure H3-3

Former IBM Endicott Site
Site #704014

Clark Street
Groundwater Treatment Facility

DRAWN BY: JPB	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: MTL/GSC		22007-261-H1

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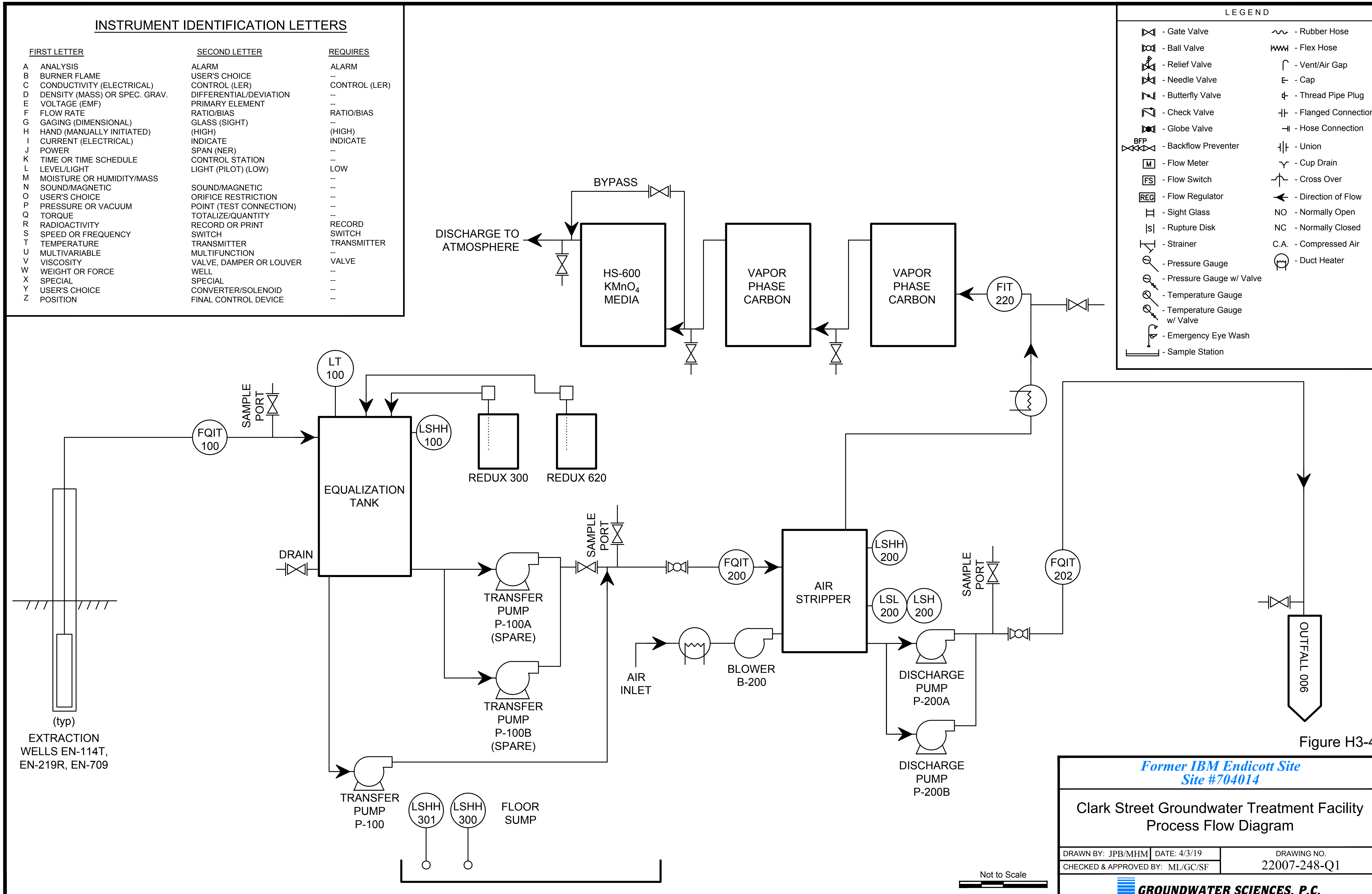

INSTRUMENT IDENTIFICATION LETTERS

	FIRST LETTER	SECOND LETTER	REQUIRES
A	ANALYSIS	ALARM	ALARM
B	BURNER FLAME	USER'S CHOICE	--
C	CONDUCTIVITY (ELECTRICAL)	CONTROL (LER)	CONTROL (LER)
D	DENSITY (MASS) OR SPEC. GRAV.	DIFFERENTIAL/DEVIATION	--
E	VOLTAGE (EMF)	PRIMARY ELEMENT	--
F	FLOW RATE	RATIO/BIAS	RATIO/BIAS
G	GAGING (DIMENSIONAL)	GLASS (SIGHT)	--
H	HAND (MANUALLY INITIATED)	(HIGH)	(HIGH)
I	CURRENT (ELECTRICAL)	INDICATE	INDICATE
J	POWER	SPAN (NER)	--
K	TIME OR TIME SCHEDULE	CONTROL STATION	--
L	LEVEL/LIGHT	LIGHT (PILOT) (LOW)	LOW
M	MOISTURE OR HUMIDITY/MASS		--
N	SOUND/MAGNETIC	SOUND/MAGNETIC	--
O	USER'S CHOICE	ORIFICE RESTRICTION	--
P	PRESSURE OR VACUUM	POINT (TEST CONNECTION)	--
Q	TORQUE	TOTALIZE/QUANTITY	--
R	RADIOACTIVITY	RECORD OR PRINT	RECORD
S	SPEED OR FREQUENCY	SWITCH	SWITCH
T	TEMPERATURE	TRANSMITTER	TRANSMITTER
U	MULTIVARIABLE	MULTIFUNCTION	--
V	VISCOSITY	VALVE, DAMPER OR LOUVER	VALVE
W	WEIGHT OR FORCE	WELL	--
X	SPECIAL	SPECIAL	--
Y	USER'S CHOICE	CONVERTER/SOLENOID	--
Z	POSITION	FINAL CONTROL DEVICE	--

Figure H3-4

Former IBM Endicott Site
Site #704014

Clark Street Groundwater Treatment Facility
Process Flow Diagram

DRAWN BY: JPB/MHM | DATE: 4/3/19 | DRAWING NO. 22007-248-Q1
CHECKED & APPROVED BY: ML/GC/SF

GROUNDWATER SCIENCES, P.C.

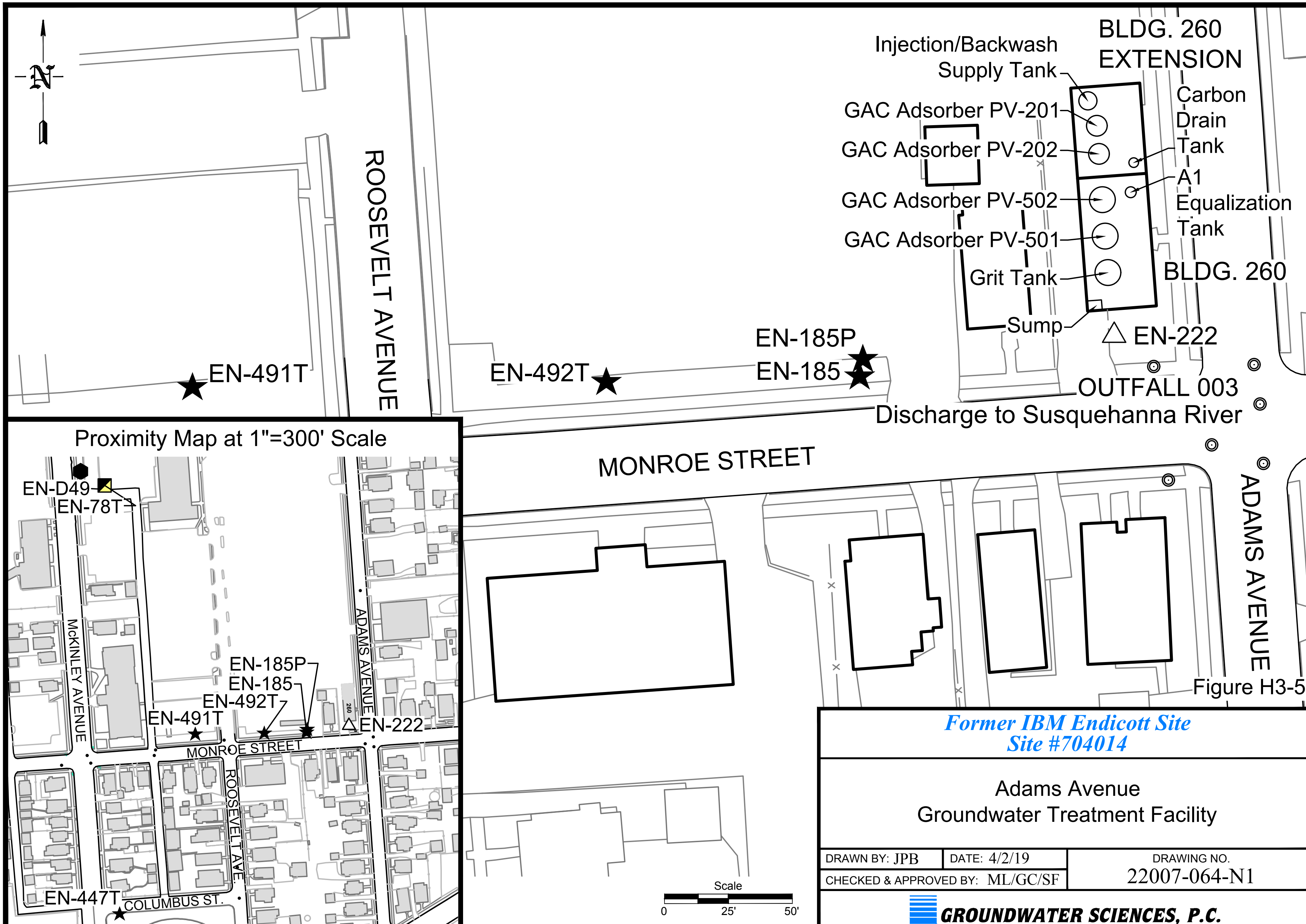

Figure H3-5

Former IBM Endicott Site
Site #704014

Adams Avenue
Groundwater Treatment Facility

DRAWN BY: JPB	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: ML/GC/SF		22007-064-N1

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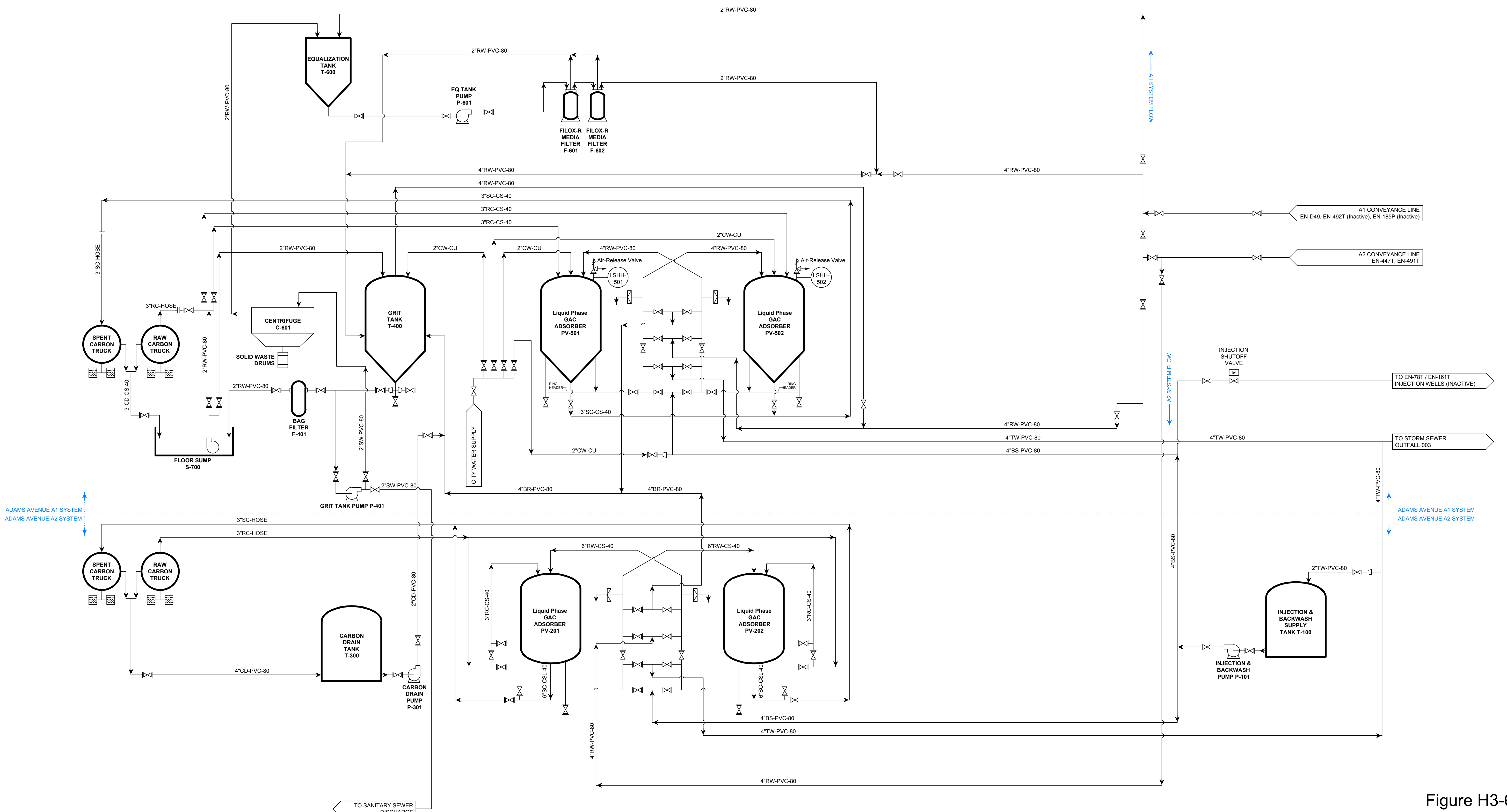

Figure H3-6

Not to Scale

Former IBM Endicott Site ***Site #704014***	
Adams Avenue Groundwater Treatment Facility Process Flow Diagram	
DRAWN BY: JPB/MHM · DATE: 4/2/19 CHECKED & APPROVED BY: ML/GC/SF	DRAWING NO. 22007-349-F1
GROUNDWATER SCIENCES, P.C.	

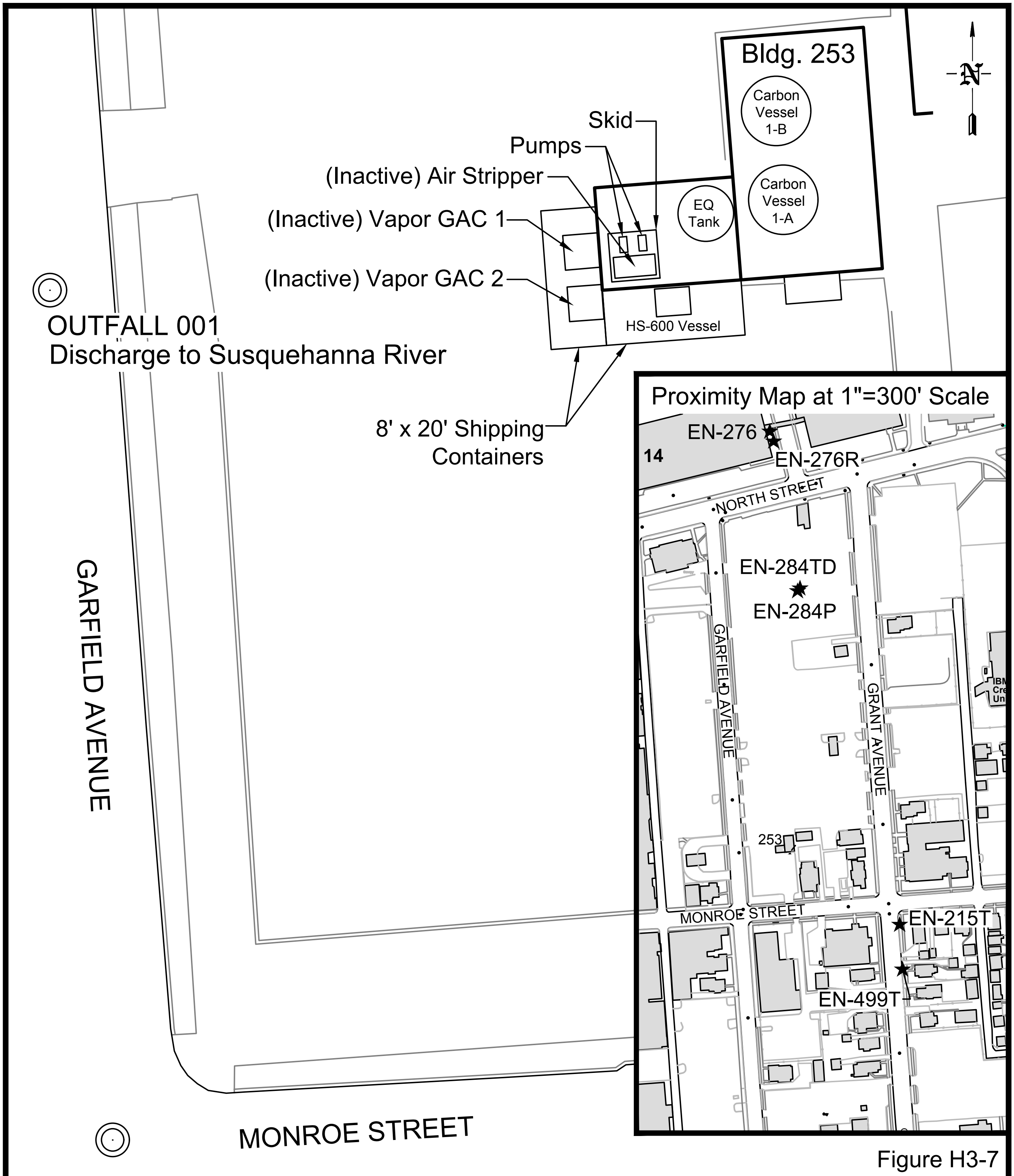

Figure H3-7

Former IBM Endicott Site
Site #704014

Garfield Avenue
Groundwater Treatment Facility

DRAWN BY: JPB	DATE: 4/2/19	DRAWING NO. 22007-064-N2
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INSTRUMENT IDENTIFICATION LETTERS

	FIRST LETTER	SECOND LETTER	REQUIRES
A	ANALYSIS	ALARM	ALARM
B	BURNER FLAME	USER'S CHOICE	--
C	CONDUCTIVITY (ELECTRICAL)	CONTROL (LER)	CONTROL (LER)
D	DENSITY (MASS) OR SPEC. GRAV.	DIFFERENTIAL/DEVIATION	--
E	VOLTAGE (EMF)	PRIMARY ELEMENT	--
F	FLOW RATE	RATIO/BIAS	RATIO/BIAS
G	GAGING (DIMENSIONAL)	GLASS (SIGHT)	--
H	HAND (MANUALLY INITIATED)	(HIGH)	(HIGH)
I	CURRENT (ELECTRICAL)	INDICATE	INDICATE
J	POWER	SPAN (NER)	--
K	TIME OR TIME SCHEDULE	CONTROL STATION	--
L	LEVEL/LIGHT	LIGHT (PILOT) (LOW)	LOW
M	MOISTURE OR HUMIDITY/MASS		--
N	SOUND/MAGNETIC	SOUND/MAGNETIC	--
O	USER'S CHOICE	ORIFICE RESTRICTION	--
P	PRESSURE OR VACUUM	POINT (TEST CONNECTION)	--
Q	TORQUE	TOTALIZE/QUANTITY	--
R	RADIOACTIVITY	RECORD OR PRINT	RECORD
S	SPEED OR FREQUENCY	SWITCH	SWITCH
T	TEMPERATURE	TRANSMITTER	TRANSMITTER
U	MULTIVARIABLE	MULTIFUNCTION	--
V	VISCOSITY	VALVE, DAMPER OR LOUVER	VALVE
W	WEIGHT OR FORCE	WELL	--
X	SPECIAL	SPECIAL	--
Y	USER'S CHOICE	CONVERTER/SOLENOID	--
Z	POSITION	FINAL CONTROL DEVICE	--

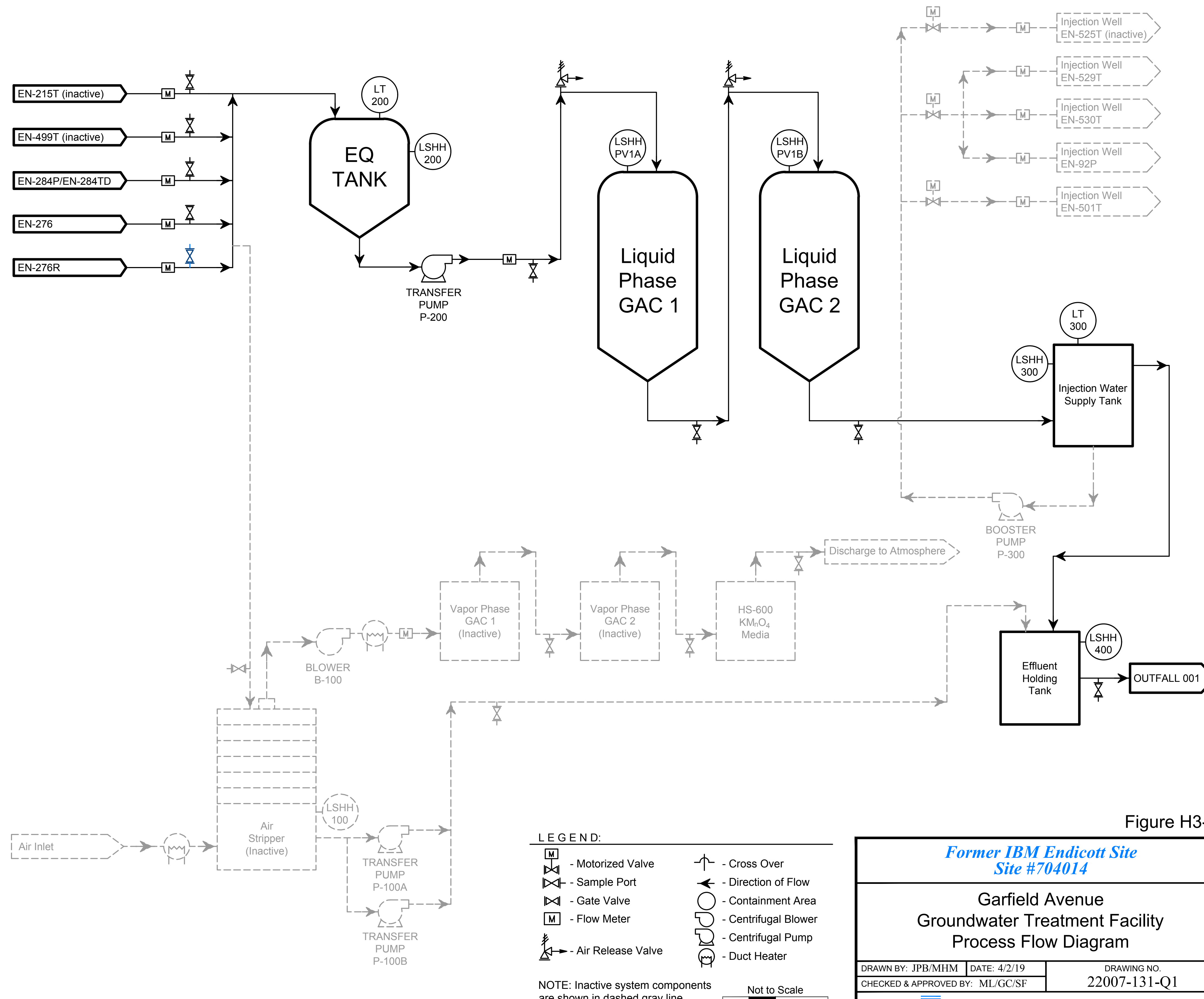

Figure H3-8

Former IBM Endicott Site
Site #704014

Garfield Avenue
Groundwater Treatment Facility
Process Flow Diagram

DRAWN BY: JPB/MHM	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: ML/GC/SF		22007-131-Q1

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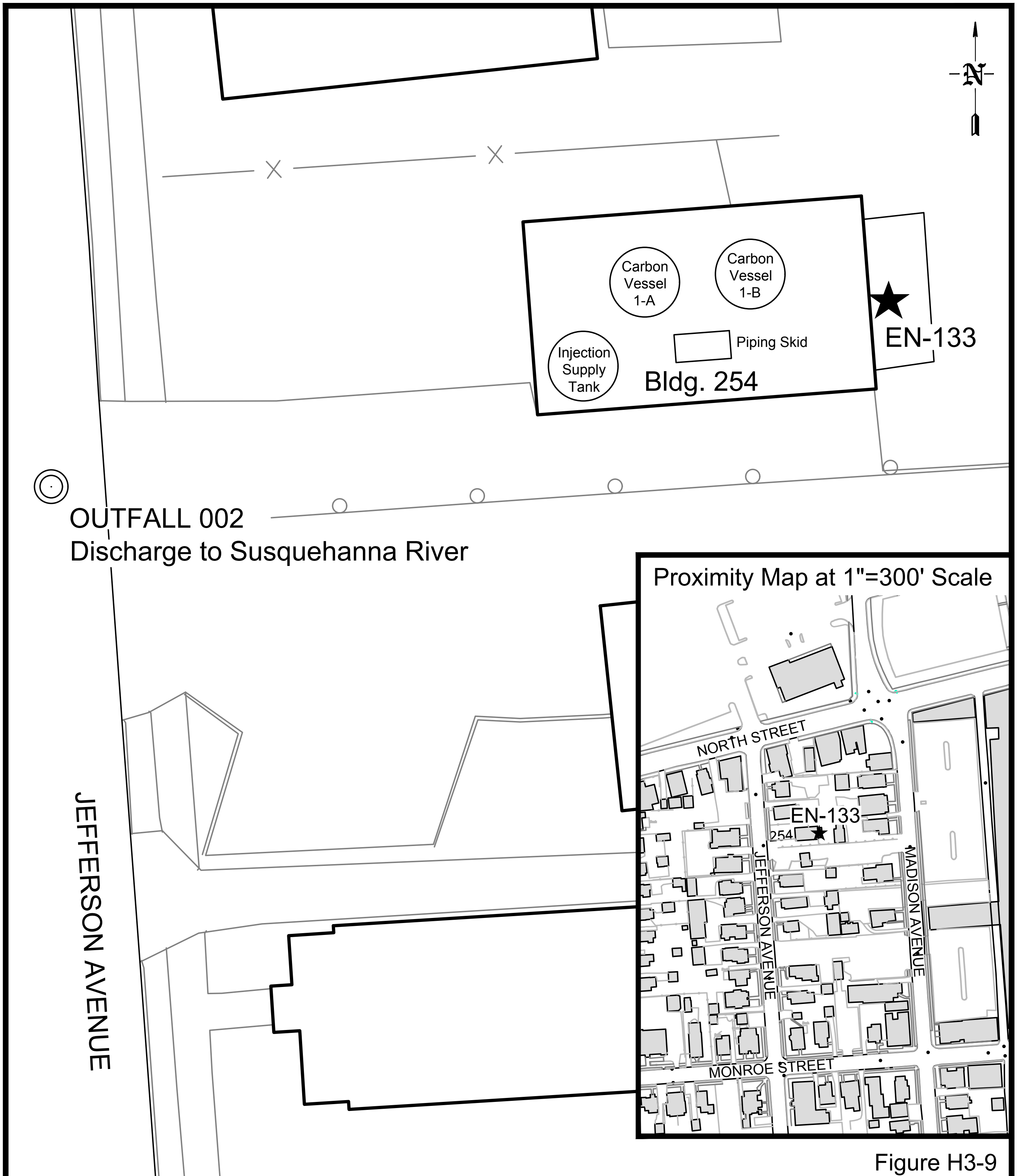

Figure H3-9

Former IBM Endicott Site
Site #704014

Jefferson Avenue
Groundwater Treatment Facility

DRAWN BY: JPB	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: ML/GC/SF		22007-064-N3

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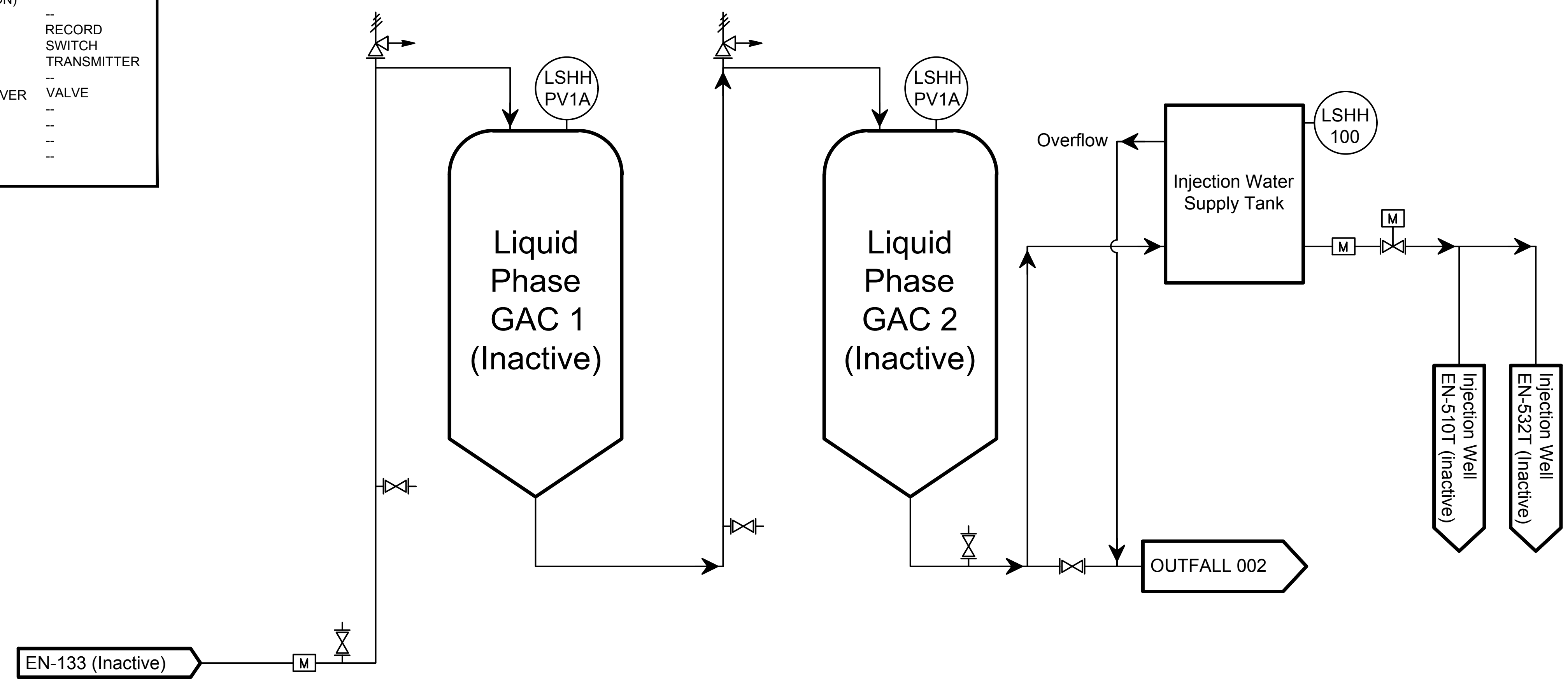
INSTRUMENT IDENTIFICATION LETTERS

	FIRST LETTER	SECOND LETTER	REQUIRES
A	ANALYSIS	ALARM	ALARM
B	BURNER FLAME	USER'S CHOICE	--
C	CONDUCTIVITY (ELECTRICAL)	CONTROL (LER)	CONTROL (LER)
D	DENSITY (MASS) OR SPEC. GRAV.	DIFFERENTIAL/DEVIATION	--
E	VOLTAGE (EMF)	PRIMARY ELEMENT	--
F	FLOW RATE	RATIO/BIAS	RATIO/BIAS
G	GAGING (DIMENSIONAL)	GLASS (SIGHT)	--
H	HAND (MANUALLY INITIATED)	(HIGH)	(HIGH)
I	CURRENT (ELECTRICAL)	INDICATE	INDICATE
J	POWER	SPAN (NER)	--
K	TIME OR TIME SCHEDULE	CONTROL STATION	--
L	LEVEL/LIGHT	LIGHT (PILOT) (LOW)	LOW
M	MOISTURE OR HUMIDITY/MASS		--
N	SOUND/MAGNETIC	SOUND/MAGNETIC	--
O	USER'S CHOICE	ORIFICE RESTRICTION	--
P	PRESSURE OR VACUUM	POINT (TEST CONNECTION)	--
Q	TORQUE	TOTALIZE/QUANTITY	--
R	RADIOACTIVITY	RECORD OR PRINT	RECORD
S	SPEED OR FREQUENCY	SWITCH	SWITCH
T	TEMPERATURE	TRANSMITTER	TRANSMITTER
U	MULTIVARIABLE	MULTIFUNCTION	--
V	VISCOSITY	VALVE, DAMPER OR LOUVER	VALVE
W	WEIGHT OR FORCE	WELL	--
X	SPECIAL	SPECIAL	--
Y	USER'S CHOICE	CONVERTER/SOLENOID	--
Z	POSITION	FINAL CONTROL DEVICE	--



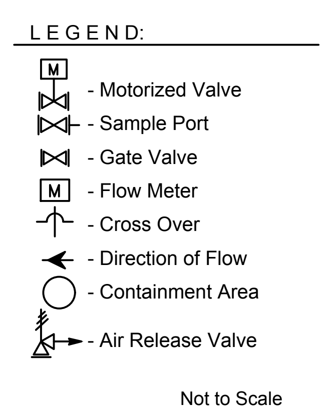


Figure H3-10

Former IBM Endicott Site
Site #704014

Jefferson Avenue
Groundwater Treatment Facility
Process Flow Diagram

DRAWN BY: JPB/MHM | DATE: 4/2/19
CHECKED & APPROVED BY: ML/GC/SF
DRAWING NO. 22007-131-Q2

GROUNDWATER SCIENCES, P.C.

Sampling Field Data Sheet for Treatment Systen
Former IBM Endicott Facilit

Week Beginning: ______

Location	Point	Location Code	Y	Y	M	M	D	D	Sample Collection Time	Effluent pH Reading*	Time of pH Reading**	Metron Efflnt Totalizer Meter	Analysis Request	Sampling Frequency
Garfield Ave System Outfall 001M	Influent	EINF1M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	Between	EMID1M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	Effluent	EEFF1M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
Adams Ave System Outfall 003M	A1 Pilot GAC Influe	EIA13M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	1 Pilot GAC Midpt	EMA113M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	1 Pilot GAC Midpt	EMA123M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	A1 Pilot GAC Efflue	EEFF13M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	A2 Influent	EIA23M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	A2 Midpoint	EMA23M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	A2 Effluent	EEFF23M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	Combined Effluent	EEFF3M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
Clark Street System Outfall 006M	Influent	EINF6M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	Final Effluent	EEFF6M	1	9	0	1	0	8					Mod. 8260C Long List	Monthly
	Final Effluent	EEFF6M	1	9	0	1	0	8					Total Phosphorus	Monthly

*Analyze pH by EPA Method 150.1

**Effluent pH must be measured within 15 minutes of sample collection ti

pH Calibration: QC Buffer #1: (Circle) 4.0 7.0 10.0 Measured Readin ______ Time: ______ Temperature: ______

QC Buffer #2: (Circle) 4.0 7.0 10.0 Measured Readin ______ Time: ______ Temperature: ______

Sampled By: ______________________

Signature: ______________________

Figure H5-1

APPENDIX I

Calculation of TCE Mass-In-Place, June 2014 and August 2018

Appendix I: Calculation of Mass-in-Place
June 2004 and August 2018

Calculation of Initial TCE Mass in Place, June 2004

The method for calculating the mass of dissolved VOCs in groundwater was first described in the *Addendum to the Annual Groundwater Monitoring Status Report for 2007* (2007 Addendum, August 28, 2008). That addendum explains the logic for selecting June 2004 as the initial date for calculating the mass of TCE dissolved in groundwater as well as the procedure for making these initial calculations and calculations for subsequent years. Restating this logic, June 2004 was selected as a starting date for the initial TCE mass calculation for three primary reasons:

1. Extraction test well EN-284TD started pumping continuously on July 6, 2004, marking the first significant change in the dynamics of groundwater flow south of North Street since field activities associated with the SGA were completed in 2003. EN-284TD began to intercept the mass flux across North Street that was previously intercepted by the Garfield and Jefferson Avenue extraction wells. Therefore, shortly after July 6, 2004, no appreciable mass flux was being added to the plume south of North Street. Furthermore, the initiation of pumping at this well location was identified in the SGA Report as the first step in attaining the corrective action objectives.

2. A comprehensive round of groundwater elevations measured on June 6-8, 2004 provides a snapshot of the groundwater flow system one month prior to startup of groundwater extraction at EN-284TD. This data is the basis for calculating the volume of water in storage within the Upper Aquifer in the area of concern prior to the initiation of flux control pumping at EN-284TD.

3. A comprehensive set of chemical concentration data exists for monitoring wells in OSCZ-A and the Southern Area for a short time prior to the startup of groundwater extraction at EN-284TD. This data is the basis for assessing the magnitude and distribution of TCE in groundwater within the area of concern prior to the initiation of flux control pumping at EN-284TD.

The initial mass-in-place calculation for TCE dissolved in groundwater is explained in detail in the 2007 Addendum. The method of calculation divides the plume area into cells measuring 100 feet by 100 feet, calculates the volume of groundwater within each cell and assigns the concentration of TCE in each cell based on a TCE isoconcentration contour map. This method yields a calculation of the total volume of groundwater in storage within the footprint of the TCE plume, the total mass of TCE dissolved in that volume of groundwater and the average TCE concentration in the plume. Based on this method, the calculated total volume of water in storage within the plume area in June 2004 was 135 MG and the calculated mass of TCE dissolved in groundwater in June 2004 was 89.5 pounds.

Calculation of TCE Mass in Place, August 2018

The dissolved TCE mass calculation for August 2018 was done in the same way as the June 2004 calculation. First, an isoconcentration map of TCE in the Upper Aquifer was constructed by hand-contouring the TCE concentration data from August 2018. This TCE isoconcentration contour map is shown on Plate 5-2. Next, the groundwater elevations measured on August 28, 2018 were contoured to create a groundwater elevation contour map of the Upper Aquifer with a maximum contour interval of one foot. This groundwater elevation contour map is shown on Plate 4-1. Then, using the current top-of-silt contour map (Plate 2-1), a map of the Upper Aquifer saturated thickness was derived by cross-contouring the August 2018 groundwater elevation contour map with the current top-of-silt contour map. This saturated thickness contour map of the Upper Aquifer is shown on Figure 4-1.

An orthogonal grid with cell dimensions of 100 feet by 100 feet aligned with McKinley Avenue was overlain on both the TCE isoconcentration map for August 2018 and the Upper Aquifer saturated thickness map for August 2018, as shown on Figures I-1 and I-2. An average saturated thickness was assigned to each cell of the gridded Upper Aquifer saturated thickness map and an average TCE concentration was assigned to each cell of the gridded TCE isoconcentration contour map. The saturated thickness and TCE concentration values for each cell were then transferred to Excel worksheets such that each 100 feet by 100 feet grid cell corresponds to a cell in the worksheet, with TCE concentration on one page of the spreadsheet and saturated thickness on a separate page (Figures I-3 and I-4). Using an Upper Aquifer effective porosity of 35 percent, the volume of groundwater in storage within the plume area was calculated on a separate Excel worksheet (Figure I-5). Based on this worksheet calculation, the estimated volume of groundwater in storage within the plume area of the Upper Aquifer in August 2018 was 106 MG, a decrease in groundwater in storage of about 55 MG compared to 2017. The decrease in storage from 2017 to 2018 is due mostly to the cessation of clean water injection in November 2017.

The mass of TCE dissolved in groundwater in each cell was then calculated on a separate Excel worksheet by multiplying the volume of groundwater in storage (in gallons) by the TCE concentration (in micrograms per liter), with a correction factor of 8.35×10^{-9} to convert the resulting TCE mass units to pounds. Where either the volume of groundwater in storage or TCE concentration of a worksheet cell was zero, the calculated TCE mass for that cell was zero, and the cell was effectively excluded from the mass calculation. The dissolved TCE mass calculated for each cell is shown on Figure I-6.

The total dissolved TCE mass in groundwater south of North Street in August 2018 was calculated by summing the cells in each north-south column of the TCE mass worksheet such that the total of each column accrued in a single row at the bottom of the worksheet. The columnar totals in this row were then summed to yield the total TCE mass in place south of North Street, excluding the EN-284P capture area, as was done for the initial mass-in-place calculation. The estimated mass of TCE dissolved in groundwater in August 2018 calculated using the aforementioned method is approximately 1.4 pounds, which is 0.1 pounds less than in 2017 and 0.1 pounds greater than in 2016, but within the margin of error for volumes and concentrations used in the calculation. Although the estimated mass of TCE dissolved in groundwater, 1.4 pounds, has remained essentially the same for the past three years, this mass was dissolved in a significantly smaller volume of groundwater (106 MG in 2018 vs. 161 MG in 2017), and so the average concentration of TCE dissolved in groundwater was higher in 2018.

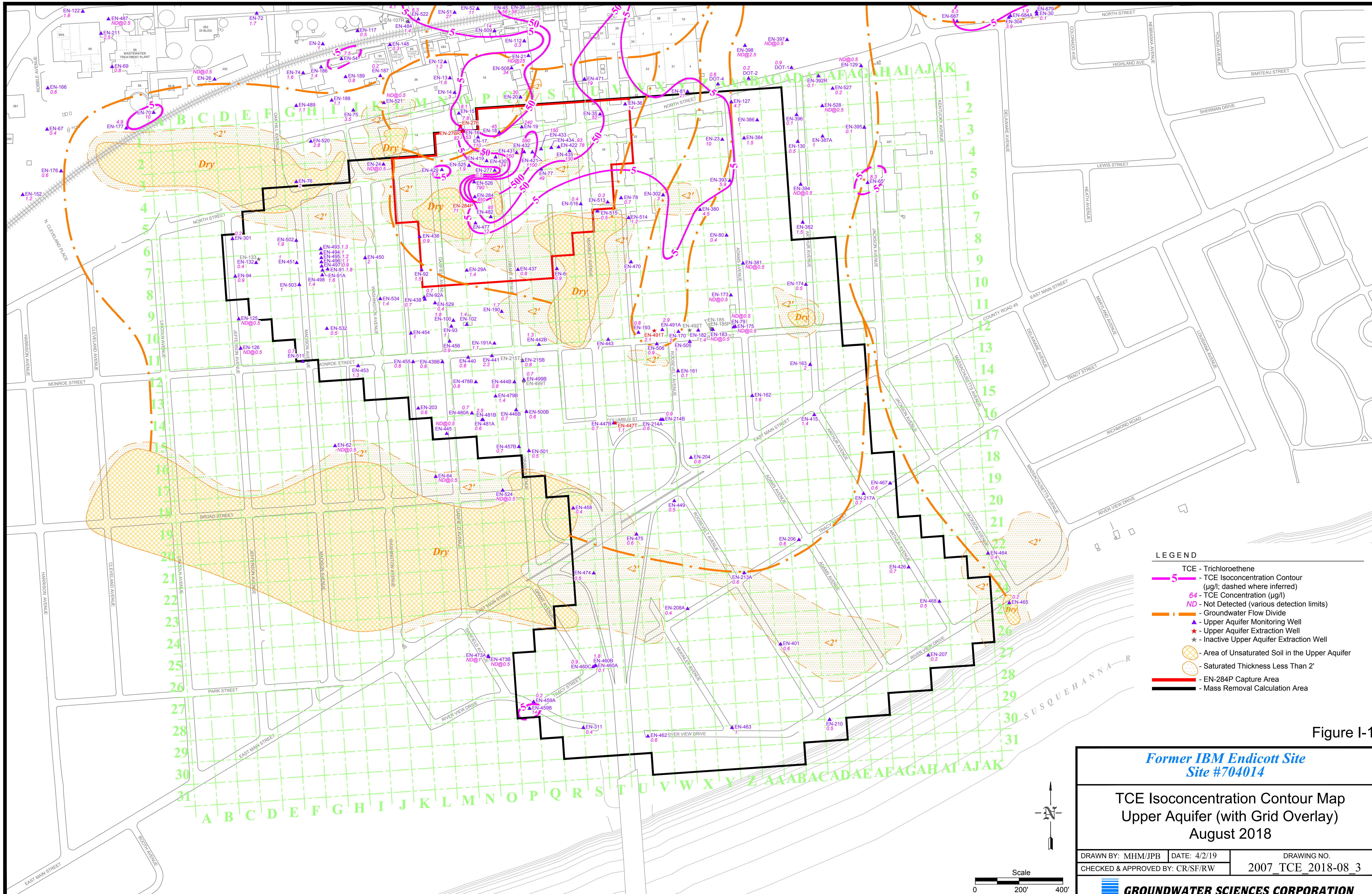


Figure I-1

Former IBM Endicott Site
Site #704014

TCE Isoconcentration Contour Map
Upper Aquifer (with Grid Overlay)
August 2018

DRAWN BY: MHM/JPB	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: CR/SF/RW		2007_TCE_2018-08_3

GROUNDWATER SCIENCES CORPORATION

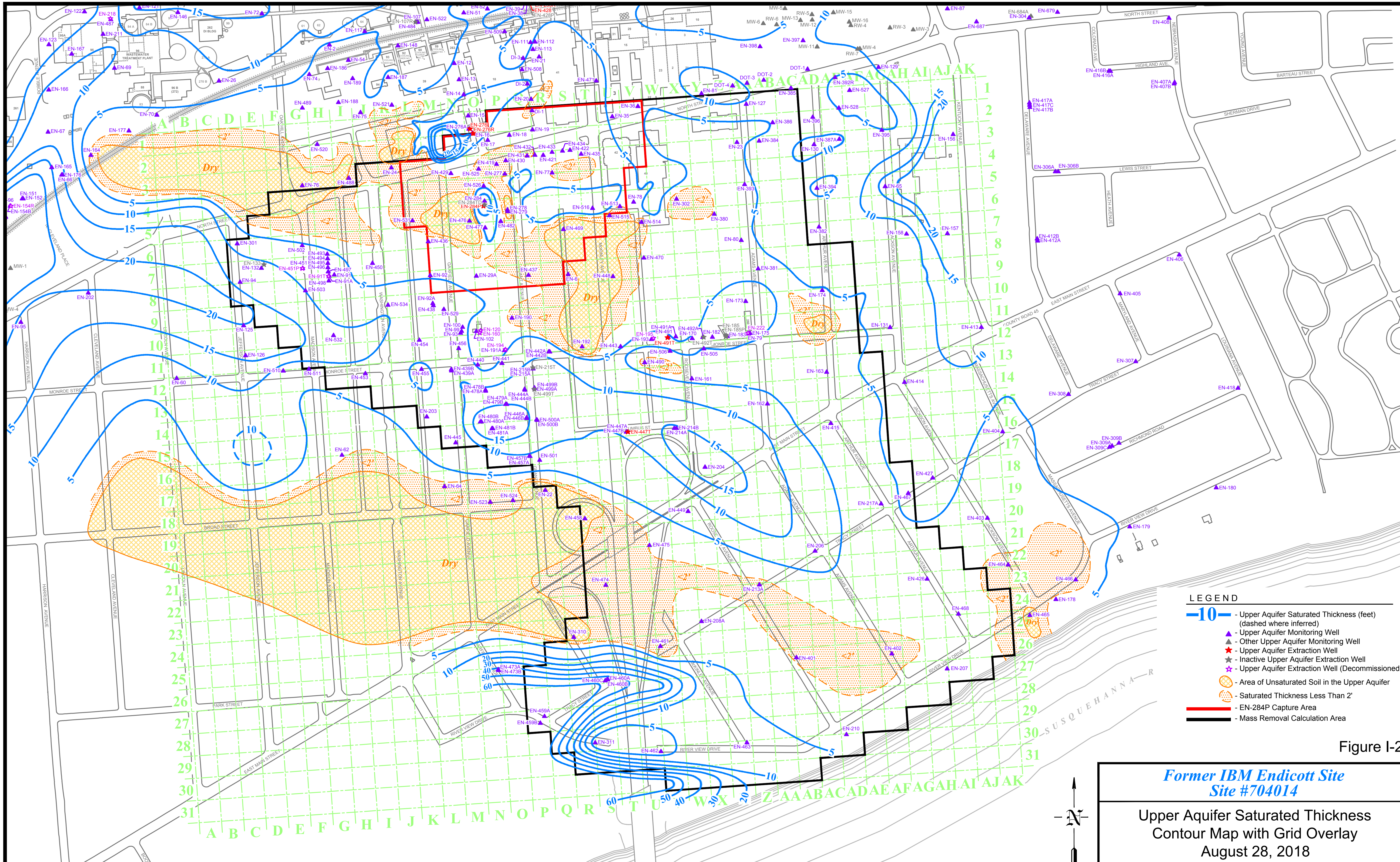


Figure I-2

Former IBM Endicott Site
Site #704014

Upper Aquifer Saturated Thickness
Contour Map with Grid Overlay
August 28, 2018

DRAWN BY: MHM	DATE: 4/2/19	DRAWING NO.
CHECKED & APPROVED BY: SMF		22007-345-V3

GROUNDWATER SCIENCES CORPORATION

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1																20	30	60	75	75	52	25	10	8	9	9	5	1.1	0.5								
2														1	50	150	200	600	100	75	50	35	25	20	15	10	5	1.1	0.5								
3										1.5	0.5	0.5	1.5	5	1.9	20	100	500	100	50	30	25	20	15	15	10	5	0.9	0.5								
4						0	0	1.5	1.5	1.5	0.8	0.5	0.9	1.5	500	800	500	30	10	5	3	4	5	10	10	8	5	0.8	0.5								
5	North Street				0.5	0.9	1.5	1.5	1.5	1.5	1.1	0.7	0	0	10	250	50	3	0.9	0.5	0.4	0.8	2.5	5	6	5.5	2	0.5	0.5								
6				0.2	0.5	0.8	1.9	1.5	1.5	1.5	1.2	1.1	0.7	0	5	10	2	0	0	0	0	1	2.5	5.5	5.5	1	0.5	0.5	0.5								
7				0.7	0.4	0.7	1.2	1.1	1.7	2	1.5	1.5	1.2	0.8	0.8	0.8	0.8	0.5	0	0	0	0.9	3.5	6	2	0.5	0.4	0.5	0.5								
8				0.8	0.7	0.7	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	0.9	0.8	0.8	0	0	0	1	3.5	4	1.5	0.5	0.5	0.5	0.7	0.9	0.8						
9					0.5	0.6	0.8	0.9	1.1	1.3	1.5	0.9	0.8	1.2	1.5	1.5	1.5	1.5	0	0	1.5	2	3	3	1.5	0.5	0.5	0.5	0.5	0.7	0.6						
10						0.5	0.5	0.5	0.7	0.9	1.2	1.1	0.8	1.8	1.7	1.7	1.6	1.5	0	0	1.5	2	2	2	1.5	0.5	0.5	0.5	0.5	0.5	0.5						
11							0.7	0.5	0.7	0.8	0.8	0.8	0.8	1.2	1.3	1.3	1.4	1.5	0	1.2	1.5	1	1.5	2.5	1.5	0.5	0.5	0.5	0.5	0	0.5						
12	Monroe Street							0.5	1	0.9	0.8	0.8	0.6	0.8	1	1.5	1	1	1.3	1.5	0.8	0.7	0.8	0.9	0.8	0.5	0.7	0.8	0.8	0.8	0.6						
13										0.7	0.7	0.7	0.7	0.7	0.9	1.2	0.7	0.7	0.9	1.5	0.9	0.5	0.3	0.1	0.3	0.5	0.9	1.2	1.5	2	0.8	0.5					
14												0.6	0.6	0.7	1	0.9	0.7	0.6	0.7	1	1	0.7	0.6	0.5	0.5	0.7	1.5	2	2	2	1	0.7					
15													0.5	0.7	0.8	0.7	0.6	0.6	0.7	0.8	1	0.8	0.7	0.6	0.5	0.7	0.9	2	2	2	1	0.7					
16															0.5	0.7	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.7	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.7					
17																	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6					
18																		0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6				
19																			0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6				
20																			0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.6				
21																			0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.6			
22																			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6		
23																			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.5	
24																		0	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3
25																	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.3
26																0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3
27																0.6	0.8	0.9	1.5	1.5	1.2	1.1	1	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	
28																14	3	2	1.5	1.5	1.5	1.5	1.5	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.2			
29																	0.5	0.5	0.5	0.8	1.1	1.2	1.5	1.5	1.1	0.7	0.6	0.5	0.5	0.5	0.4	0.3					
30																		0.3	0.4	0.4	0.5	0.6	0.8	0.9	0.8	0.7	0.6	0.5	0.5	0.5							
31																						0.5	0.5	0.6	0.6	0.6	0.5	0.5									

Figure I-3
Spreadsheet Grid Map of TCE Concentrations (ug/L) in the Upper Aquifer
August 2018

Site #704014

GROUNDWATER SCIENCES CORPORATION

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1																4	3	3	3.5	4	5	6	4.5	6	7.5	9	9	8	7.5								
2														20	4.5	2.5	2.5	3	3.5	4	4.5	6	4.5	4	4.5	4.5	4.5	4.5	7								
3										1.5	1	1	2	3	1.5	1.5	3.5	3	2	1.5	4	5.5	5.5	4	4	4	5	7	9.5								
4						0	0	0.5	1.5	2.5	2	1	1	0.5	5.5	1	5	4.5	3	3.5	4	5	6	5.5	3.5	3.5	5	7	9								
5		North Street			2	1	1	1	1.5	2.5	1.5	0.5	0	0	10	1.5	5	8	8	9	5	4.5	5.5	1.5	1.5	3	4.5	6.5	6.5								
6				10	7.5	6	5.5	3.5	2	1.5	2.5	2.5	1	0	4	2	3	0	0	0	0	0	3.5	2	2	3.5	4.5	6.5	7								
7				12.5	12	10	8	7	4.5	3.5	3.5	3.5	3	2.5	2.5	1.5	1	0.5	0	0	0	2	3	3	3	3.5	4.5	6.5	7								
8				17	13.5	12	10	7.5	6	5	5.5	5.5	5.5	4	3.5	2.5	1.5	1	0	0	0	2.5	3	3.5	3.5	3.5	4	5	6	7	7.5						
9					17.5	14.5	11.5	9	8	8.5	8.5	7.5	7	6	4.5	2.5	2	1	0	0	0.5	2.5	3	3.5	4	5	5	4	5	6	6.5						
10						17	14	11.5	11	11	8.5	7.5	6.5	5.5	3.5	2	1.5	0.5	0	0	1.5	3	3.5	4	6	8.5	9	4.5	1.5	3	5						
11							11.5	11.5	11	9.5	8	7	6.5	5	3.5	5	6	1.5	0	0.5	4	5	5	4.5	6.5	7	6	4	0.5	0	3						
12				Monroe Street				7.5	8	8	6	4.5	7.5	6	5	8	10.5	10	6	5	5	3	4	5	4.5	4.5	4	3.5	2.5	2.5	3.5						
13										6.5	6.5	5.5	8	11.5	11	12	12	11.5	10.5	8	7.5	6	4	4.5	4	4	3.5	3.5	3.5	3.5	4	6					
14												6	8	13.5	16	16	13.5	12.5	12	11.5	11.5	11	10	8	7.5	6.5	5.5	4	3.5	3.5	3.5	5					
15													8	12.5	18	16.5	12.5	12	11	10.5	12	13.5	14	12.5	11.5	10	7.5	5.5	3.5	2.5	3	4.5					
16															9	10	9	8.5	8	8	9.5	12.5	16.5	16	14	12.5	11	7	4.5	3	3	4.5					
17																	3.5	5	6	7	8	9.5	13.5	17	17	14	11.5	8.5	6	4	3.5	4.5					
18																		0	2	5	6.5	7.5	9.5	12.5	16	15	12.5	9.5	7	4.5	3.5	4	6				
19																			0	1.5	3	5.5	7	9	11	12.5	12.5	10	7.5	5	3.5	3	5.5				
20																			0.5	1	1.5	3.5	4.5	6	7.5	9.5	11	10	7.5	5.5	4	3	4.5				
21																			1	1	1.5	2.5	3	3.5	4	6	7.5	8	7	5	4	3.5	4	4			
22																			1	1	1	1	1.5	1.5	2	3	3.5	4.5	5.5	4.5	4	3.5	3.5	3.5	3		
23																			1	1	1	1.5	2.5	2.5	2	1.5	1.5	3	3.5	4	3.5	3.5	3.5	3.5	3	2.5	
24																		0	0.5	1	1	1.5	2.5	3	3	2	1.5	1	1.5	3	3.5	3.5	3.5	3.5	3	2.5	1.5
25																	7.5	7	8	7	2	1.5	3	3.5	3.5	3	1.5	1	1	1.5	1.5	2	2.5	3	3.5	2.5	1.5
26																50	40	40	40	35	25	11	7	5	4	3.5	3	1.5	1	1	1	1	1.5	3	3.5	2.5	1.5
27																80	75	70	55	45	40	30	11	7.5	5.5	4	3.5	3	1.5	1.5	1.5	2	3	3.5	3.5	3	
28																80	70	45	25	15	9.5	9	8.5	7.5	6.5	4.5	3.5	3.5	3	2.5	2.5	3	3.5	3.5			
29																	50	15	3	3	3	5	7	7.5	6.5	6	4.5	4	3.5	3.5	3.5	3.5					
30																		40	25	20	10	7.5	8	8	8	7.5	6.5	5.5	4.5	4							
31																						55	40	25	15	9.5	9	8									

0 = Indicates dry cell

GROUNDWATER SCIENCES CORPORATION

Site #704014

Figure I-4
Spreadsheet Grid Map of Upper Aquifer Saturated Thickness (feet)
August 2018

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1																1.0E+5	7.9E+4	7.9E+4	9.2E+4	1.0E+5	1.3E+5	1.6E+5	1.2E+5	1.6E+5	2.0E+5	2.4E+5	2.4E+5	2.1E+5	2.0E+5								
2														5.2E+5	1.2E+5	6.5E+4	6.5E+4	7.9E+4	9.2E+4	1.0E+5	1.2E+5	1.6E+5	1.2E+5	1.0E+5	1.2E+5	1.2E+5	1.2E+5	1.2E+5	1.8E+5								
3										3.9E+4	2.6E+4	2.6E+4	5.2E+4	7.9E+4	3.9E+4	3.9E+4	9.2E+4	7.9E+4	5.2E+4	3.9E+4	1.0E+5	1.4E+5	1.4E+5	1.0E+5	1.0E+5	1.0E+5	1.3E+5	1.8E+5	2.5E+5								
4						0.0E+0	0.0E+0	1.3E+4	3.9E+4	6.5E+4	5.2E+4	2.6E+4	2.6E+4	1.3E+4	1.4E+5	2.6E+4	1.3E+5	1.2E+5	7.9E+4	9.2E+4	1.0E+5	1.3E+5	1.6E+5	1.4E+5	9.2E+4	9.2E+4	1.3E+5	1.8E+5	2.4E+5								
5		North Street			5.2E+4	2.6E+4	2.6E+4	2.6E+4	3.9E+4	6.5E+4	3.9E+4	1.3E+4	0.0E+0	0.0E+0	2.6E+5	3.9E+4	1.3E+5	2.1E+5	2.1E+5	2.4E+5	1.3E+5	1.2E+5	1.4E+5	3.9E+4	3.9E+4	7.9E+4	1.2E+5	1.7E+5	1.7E+5								
6				2.6E+5	2.0E+5	1.6E+5	1.4E+5	9.2E+4	5.2E+4	3.9E+4	6.5E+4	6.5E+4	2.6E+4	0.0E+0	1.0E+5	5.2E+4	7.9E+4	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	9.2E+4	5.2E+4	5.2E+4	9.2E+4	1.2E+5	1.7E+5	1.8E+5								
7				3.3E+5	3.1E+5	2.6E+5	2.1E+5	1.8E+5	1.2E+5	9.2E+4	9.2E+4	9.2E+4	7.9E+4	6.5E+4	6.5E+4	3.9E+4	2.6E+4	1.3E+4	0.0E+0	0.0E+0	0.0E+0	5.2E+4	7.9E+4	7.9E+4	7.9E+4	9.2E+4	1.2E+5	1.7E+5	1.8E+5								
8				4.5E+5	3.5E+5	3.1E+5	2.6E+5	2.0E+5	1.6E+5	1.3E+5	1.4E+5	1.4E+5	1.4E+5	1.0E+5	9.2E+4	6.5E+4	3.9E+4	2.6E+4	0.0E+0	0.0E+0	0.0E+0	6.5E+4	7.9E+4	9.2E+4	9.2E+4	9.2E+4	1.0E+5	1.3E+5	1.6E+5	1.8E+5	2.0E+5						
9					4.6E+5	3.8E+5	3.0E+5	2.4E+5	2.1E+5	2.2E+5	2.2E+5	2.0E+5	1.8E+5	1.6E+5	1.2E+5	6.5E+4	5.2E+4	2.6E+4	0.0E+0	0.0E+0	1.3E+4	6.5E+4	7.9E+4	9.2E+4	1.0E+5	1.3E+5	1.3E+5	1.0E+5	1.3E+5	1.6E+5	1.7E+5						
10						4.5E+5	3.7E+5	3.0E+5	2.9E+5	2.9E+5	2.2E+5	2.0E+5	1.7E+5	1.4E+5	9.2E+4	5.2E+4	3.9E+4	1.3E+4	0.0E+0	0.0E+0	3.9E+4	7.9E+4	9.2E+4	1.0E+5	1.6E+5	2.2E+5	2.4E+5	1.2E+5	3.9E+4	7.9E+4	1.3E+5						
11							3.0E+5	3.0E+5	2.9E+5	2.5E+5	2.1E+5	1.8E+5	1.7E+5	1.3E+5	9.2E+4	1.3E+5	1.6E+5	3.9E+4	0.0E+0	1.3E+4	1.0E+5	1.3E+5	1.3E+5	1.2E+5	1.7E+5	1.8E+5	1.6E+5	1.0E+5	1.3E+4	0.0E+0	7.9E+4						
12				Monroe Street				2.0E+5	2.1E+5	2.1E+5	1.6E+5	1.2E+5	2.0E+5	1.6E+5	1.3E+5	2.1E+5	2.7E+5	2.6E+5	1.6E+5	1.3E+5	1.3E+5	7.9E+4	1.0E+5	1.3E+5	1.2E+5	1.2E+5	1.0E+5	9.2E+4	6.5E+4	6.5E+4	9.2E+4						
13										1.7E+5	1.7E+5	1.4E+5	2.1E+5	3.0E+5	2.9E+5	3.1E+5	3.1E+5	3.0E+5	2.7E+5	2.1E+5	2.0E+5	1.6E+5	1.0E+5	1.2E+5	1.0E+5	1.0E+5	9.2E+4	9.2E+4	9.2E+4	9.2E+4	1.0E+5	1.6E+5					
14												1.6E+5	2.1E+5	3.5E+5	4.2E+5	4.2E+5	3.5E+5	3.3E+5	3.1E+5	3.0E+5	3.0E+5	2.9E+5	2.6E+5	2.1E+5	2.0E+5	1.7E+5	1.4E+5	1.0E+5	9.2E+4	9.2E+4	9.2E+4	1.3E+5					
15													2.1E+5	3.3E+5	4.7E+5	4.3E+5	3.3E+5	3.1E+5	2.9E+5	2.7E+5	3.1E+5	3.5E+5	3.7E+5	3.3E+5	3.0E+5	2.6E+5	2.0E+5	1.4E+5	9.2E+4	6.5E+4	7.9E+4	1.2E+5					
16															2.4E+5	2.6E+5	2.4E+5	2.2E+5	2.1E+5	2.1E+5	2.5E+5	3.3E+5	4.3E+5	4.2E+5	3.7E+5	3.3E+5	2.9E+5	1.8E+5	1.2E+5	7.9E+4	7.9E+4	1.2E+5					
17																	9.2E+4	1.3E+5	1.6E+5	1.8E+5	2.1E+5	2.5E+5	3.5E+5	4.5E+5	4.5E+5	3.7E+5	3.0E+5	2.2E+5	1.6E+5	1.0E+5	9.2E+4	1.2E+5					
18																		0.0E+0	5.2E+4	1.3E+5	1.7E+5	2.0E+5	2.5E+5	3.3E+5	4.2E+5	3.9E+5	3.3E+5	2.5E+5	1.8E+5	1.2E+5	9.2E+4	1.0E+5	1.6E+5				
19																			0.0E+0	3.9E+4	7.9E+4	1.4E+5	1.8E+5	2.4E+5	2.9E+5	3.3E+5	3.3E+5	2.6E+5	2.0E+5	1.3E+5	9.2E+4	7.9E+4	1.4E+5				
20																			1.3E+4	2.6E+4	3.9E+4	9.2E+4	1.2E+5	1.6E+5	2.0E+5	2.5E+5	2.9E+5	2.6E+5	2.0E+5	1.4E+5	1.0E+5	7.9E+4	1.2E+5				
21																			2.6E+4	2.6E+4	3.9E+4	6.5E+4	7.9E+4	9.2E+4	1.0E+5	1.6E+5	2.0E+5	2.1E+5	1.8E+5	1.3E+5	1.0E+5	9.2E+4	1.0E+5	1.0E+5			
22																			2.6E+4	2.6E+4	2.6E+4	2.6E+4	3.9E+4	3.9E+4	5.2E+4	7.9E+4	9.2E+4	1.2E+5	1.4E+5	1.2E+5	1.0E+5	9.2E+4	9.2E+4	9.2E+4	7.9E+4		
23																			2.6E+4	2.6E+4	2.6E+4	3.9E+4	6.5E+4	6.5E+4	5.2E+4	3.9E+4	3.9E+4	7.9E+4	9.2E+4	1.0E+5	9.2E+4	9.2E+4	9.2E+4	9.2E+4	7.9E+4	6.5E+4	
24																		0.0E+0	1.3E+4	2.6E+4	2.6E+4	3.9E+4	6.5E+4	7.9E+4	7.9E+4	5.2E+4	3.9E+4	2.6E+4	3.9E+4	7.9E+4	9.2E+4	9.2E+4	9.2E+4	9.2E+4	7.9E+4	6.5E+4	3.9E+4
25																	2.0E+5	1.8E+5	2.1E+5	1.8E+5	5.2E+4	3.9E+4	7.9E+4	9.2E+4	9.2E+4	7.9E+4	3.9E+4	2.6E+4	2.6E+4	3.9E+4	3.9E+4	5.2E+4	6.5E+4	7.9E+4	9.2E+4	6.5E+4	3.9E+4
26																1.3E+6	1.0E+6	1.0E+6	1.0E+6	9.2E+5	6.5E+5	2.9E+5	1.8E+5	1.3E+5	1.0E+5	9.2E+4	7.9E+4	3.9E+4	2.6E+4	2.6E+4	2.6E+4	2.6E+4	3.9E+4	7.9E+4	9.2E+4	6.5E+4	3.9E+4
27																2.1E+6	2.0E+6	1.8E+6	1.4E+6	1.2E+6	1.0E+6	7.9E+5	2.9E+5	2.0E+5	1.4E+5	1.0E+5	9.2E+4	7.9E+4	3.9E+4	3.9E+4	3.9E+4	5.2E+4	7.9E+4	9.2E+4	9.2E+4	7.9E+4	
28																2.1E+6	1.8E+6	1.2E+6	6.5E+5	3.9E+5	2.5E+5	2.4E+5	2.2E+5	2.0E+5	1.7E+5	1.2E+5	9.2E+4	9.2E+4	7.9E+4	6.5E+4	6.5E+4	7.9E+4	9.2E+4	9.2E+4			
29																	1.3E+6	3.9E+5	7.9E+4	7.9E+4	7.9E+4	1.3E+5	1.8E+5	2.0E+5	1.7E+5	1.6E+5	1.2E+5	1.0E+5	9.2E+4	9.2E+4	9.2E+4	9.2E+4					
30																		1.0E+6	6.5E+5	5.2E+5	2.6E+5	2.0E+5	2.1E+5	2.1E+5	2.1E+5	2.0E+5	1.7E+5	1.4E+5	1.2E+5	1.0E+5							
31																						1.4E+6	1.0E+6	6.5E+5	3.9E+5	2.5E+5	2.4E+5	2.1E+5									

= Indicates dry cell

Figure I-5

Spreadsheet Grid Map of Groundwater Volume in Storage (gallons)

Upper Aquifer, August 2018

Site #704014

GROUNDWATER SCIENCES CORPORATION

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1																0.02	0.02	0.04	0.06	0.07	0.06	0.07	0.02	0.01	0.01	0.02	0.02	0.00	0.00								
2														0.00	0.05	0.08	0.11	0.39	0.08	0.07	0.05	0.05	0.02	0.02	0.01	0.01	0.00	0.00	0.00								
3										0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.33	0.04	0.02	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.00	0.00								
4						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.17	0.55	0.03	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00								
5		North Street			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
9					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
10						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
11							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
12			Monroe Street					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
13										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
14												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
15													0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
16															0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
17																	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
18																		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
19																			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
20																			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
21																			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
22																			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
23																			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24																		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25																	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26																0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27																0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28																0.24	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
29																	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
30																		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
31																						0.01	0.00	0.00	0.00	0.00	0.00	0.00									

Figure I-6
Spreadsheet Grid Map of Dissolved TCE Mass (Calculated) in Pounds
Upper Aquifer, August 2018