REMEDIATION PROGRESS REPORT AND REBOUND TEST WORKPLAN
INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, BALTIMORE COUNTY, MARYLAND
MDE CASE # 2006-0303-BA2
KLEINFELDER PROJECT NO.: 20193011.001A

February 8, 2021

A Report Prepared for:

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1 INTRODUCTION

This report and work plan was prepared on behalf of ExxonMobil and provides a summary of remediation progress including results of recently completed sequential conversion of recovery wells to monitoring wells, current remediation activities, and a proposal for groundwater recovery and treatment system shutdown for rebound testing. The rebound testing will include post-shutdown groundwater monitoring to evaluate lines of evidence that support the transitioning of the project activities from active remediation to monitored natural attenuation (MNA) of constituents of concern (COCs) at the former Exxon Service Station (#28077) and surrounding properties located in Phoenix, Baltimore County, Maryland (**Figure 1**).

1.1 BACKGROUND

Inactive Exxon Facility # 28077 (Site) is located at 14258 Jarrettsville Pike, on the southwest corner of the intersection of Jarrettsville Pike (MD Route 146) and Sweet Air Road / Paper Mill Road (MD Route 145) in Phoenix, Baltimore County, Maryland. Four additional properties are owned by ExxonMobil in the vicinity of the Site and have been used for remediation equipment and both groundwater monitoring and recovery wells. These additional properties are located near the intersection of Jarrettsville Pike and Sweet Air Road/ Paper Mill Road, including two commercial properties located at 3410 and 3418 Sweet Air Road, a commercial property adjacent and west of the Site at 3313 Papermill Road, and a vacant residential lot located at 3501 Hampshire Glen Court. A site plan depicting surrounding properties and groundwater recovery well (RW) and monitoring well (MW) networks is included as **Figure 1**.

Since the 2006 release of gasoline, a combination of total fluids pumping, multi-phase vacuum extraction, and soil vapor extraction have effectively removed hydrocarbon mass from the subsurface. Concentrations of dissolved-phase hydrocarbons have been significantly reduced. Correspondingly, the lateral extent of COC impacts exceeding the Maryland Department of the Environment (MDE) standards has contracted substantially as the result of 15 years of active remediation.

Prior to remedial activities, the facility was a retail gasoline service station consisting of two 8,000-gallon gasoline underground storage tanks (USTs), one 10,000-gallon diesel UST, one 12,000-gallon gasoline UST, associated piping, a canopy covering three dispenser islands, and a service station building with three service bays and an office. The USTs were installed in 1985 and were

constructed of double-walled, fiberglass-coated steel. One 1,000-gallon fiberglass used-oil UST and one 1,000-gallon fiberglass heating-oil UST were removed from the Site in July 1992 and May 1997, respectively. The remaining USTs and associated piping were removed from the facility in late March to early April 2006. The results of these activities were reported to the MDE in the *Tank Excavation Assessment Report* dated April 30, 2006 (Kleinfelder, 2006a).

Local businesses are concentrated around the intersection of Jarrettsville Pike (MD Route 146) and Sweet Air Road / Paper Mill Road (MD Route 145). Beyond this "business district" the land use is primarily single-family residential properties interspersed with some vacant, undeveloped lots and wooded areas. Area utilities include overhead and underground electric service and underground telephone service. Potable water in the vicinity of the Site is supplied by private supply wells. Sewage disposal in the area is handled by private septic systems. Basements and slab-on-grade construction are typical for properties in the vicinity of the Site. Area land use and utilities are described in more detail in the *Preliminary Hydrogeologic and Contaminant Assessment Report* (PHACAR) dated July 2006 (Kleinfelder, 2006b). Recent groundwater monitoring, potable supply well data, and remediation system performance data through December 2020, including tables, figures and charts are presented in the *Fourth Quarter 2020 Groundwater Monitoring and Remediation Status Report* (Kleinfelder, 2021). The data tables and figures from this Fourth Quarter report should be used for reference alongside this workplan.

1.2 PURPOSE AND OBJECTIVES

The remediation goal for the project area is to return groundwater to conditions that are protective of public health and the environment or achieve contamination levels at or below the MDE's current groundwater standards and action levels where possible as determined by the MDE. After almost 15 years of extensive active remediation activities, conditions in the aquifer have improved significantly as measured by groundwater concentrations throughout the monitoring well network, remediation system influent, and potable supply well water quality.

Collected data also indicates natural attenuation is contributing to the improving groundwater conditions. Remediation systems have been successful in removing petroleum-related constituents from the aquifer and maintaining hydraulic control to inhibit the migration of constituents that may pose a risk to area receptors such as potable wells or surface water bodies. Most remaining wells have groundwater concentrations below MDE standards or action levels, and the current aquifer condition is considered protective of public health and the environment

regardless of whether the recovery wells continue to pump or alternately if natural attenuation processes alone completes the remaining aquifer remediation. Transition from active remediation to natural attenuation-only is commensurate with the low risk of remaining limited COC concentrations above MDE standards or action levels.

Based on data from the 19 remaining RWs, combined system groundwater influent is at asymptotic low levels. Therefore, groundwater recovery and treatment system shutdown and rebound testing is herein proposed for the site. The rebound test is designed to assess the impact to COC concentrations in groundwater MWs (including deactivated RWs). Continued stable to decreasing groundwater concentrations will demonstrate that natural attenuation processes observed during previous groundwater studies (Kleinfelder, 2019a; Kleinfelder, 2019b; Kleinfelder, 2019c) will continue to effectively remediate remaining mass flux of dissolved phase petroleum COCs from the groundwater plume and thereby continue protection of area private supply wells and other potential receptors.

The objective of this rebound assessment is to collect and evaluate data following cessation of active remediation to monitor how the aquifer responds as it returns to equilibrium, and to evaluate groundwater concentrations under MNA-only conditions. Multiple lines of evidence will be recorded, evaluated, and reported during the proposed rebound test, including:

- COC concentration trends in the remaining 19 RWs and surrounding MWs;
- Cessation of groundwater recovery without adverse effects to groundwater quality;
- The presence of geochemical indicators conducive for ongoing natural attenuation and biodegradation through aerobic and/or anaerobic processes.

2 REMEDIATION PROGRESS

This section discusses remediation activities which were initiated in 2006 and continue to present day. This includes a discussion of interim and more permanent remedial technologies implemented; groundwater MWs and RWs installed, operated, monitored, and/or shut down; pilot testing; remediation enhancements and optimization; and a summary of current remedial operations. Also, a remediation activity summary table has been provided at the end of Section 2.1.1 which summarizes the sequential progression of remediation activity over the years including remedial measures implemented, related equipment employed, and volume of groundwater treated.

2.1 REMEDIATION ACTIVITY SUMMARY

2.1.1 Overview

Corrective action activities have been ongoing at the Site since February 17, 2006, under the direction of the MDE, in response to the discovery of unleaded gasoline and related constituents in existing onsite groundwater MWs. Remediation activities at the Site and surrounding properties have been conducted according to MDE-approved: *Interim Remedial Measures (IRM) Plan* (Kleinfelder, 2006c), the *Updated Interim Remedial Measures Plan* (Kleinfelder, 2006d), *Consent Decree between the State of Maryland and Exxon Mobil Corporation* (*State of Maryland*, 2008), and the *Corrective Action Plan* (*Kleinfelder*, 2009*)* and subsequent MDE-approved workplans and correspondence. Upgrades and modifications to the remedial systems and remedial activities, completed since the *Updated IRM Plan,* have been approved by the MDE and summarized in Quarterly Groundwater Monitoring and Remedial Status Reports.

Initial response activities consisted of three general facets implemented in parallel and concurrent fashion: 1) site characterization activities; 2) remediation of impacted media identified through site characterization activities; and 3) protective measures (private supply well sampling and bottled water delivery). Remediation activities and protective measures are described in the following paragraphs.

The initial remedial response began on February 17, 2006 following detection of liquid phase hydrocarbons (LPH) in two existing onsite monitoring wells (MW-3 and MW-4 on **Figure 1**). Remediation began using vacuum trucks to extract LPH and groundwater from these two onsite wells. On February 18, 2006, installation of additional onsite monitoring wells began. As additional onsite monitoring wells were installed and found to contain LPH, remediation activities were expanded (Kleinfelder, 2009).

Additional mobile remediation equipment was deployed including three vacuum trucks and two internal combustion engine (ICE) units. Beginning on February 25, 2006, pneumatic pumps were brought online for recovery of total fluids into fractioning tanks (frac tanks) that were also mobilized to Site. The contents of the frac tanks were transported offsite daily to a treatment and disposal facility (Kleinfelder, 2009).

In early March 2006, remediation activities were expanded southwest and northeast of the Site. Frac tanks were installed on 3410 Sweet Air Road for temporary storage of total fluids recovered from RWs in the northeast quadrant (Kleinfelder, 2009).

As a protective measure, and concurrent with ongoing investigation and remediation activities, sampling of area private supply wells (PSWs) began on February 20, 2006. The PSW sampling area expanded and evolved as the investigation progressed under the direction of the MDE. Throughout the initial stage of remediation, status updates were provided to the MDE which listed the different types of remediation activities being conducted and summarized investigation activities and area PSW sampling (Kleinfelder, 2009).

Four USTs, a canopy and dispenser islands were removed and impacted soil over-excavated to inhibit further release of COCs into the subsurface. USTs included two 8,000-gallon gasoline, one 12,000-gallon gasoline, and one 10,000-gallon diesel. Under the direction of the MDE, activities associated with UST system cleaning and removal were performed between February 19 and April 10, 2006, including removal of the USTs, dispensers, product piping, vapor recovery piping, vent piping and excavation of impacted soils. Approximately 1,150 tons of soil was removed and transported offsite for disposal at the Soil Safe Inc. Brandywine, Maryland facility. Soil samples were collected during UST system removal. Soil excavation activities are detailed in the *Tank Excavation Assessment Report* (Kleinfelder, 2006a).

A *Corrective Action Plan* (CAP) was submitted to MDE which formalized remedial activities at the Site and in the surrounding area. The CAP was prepared to satisfy the requirements of Code of

Maryland Regulations 26.10.09. The CAP provided a site assessment summary, history of previous emergency response and remedial activities, a description of monitoring programs and results, and a corrective action plan for the facility. The CAP also outlined procedures to evaluate and obtain MDE approval for any supplemental remedial measures that may be proposed or required (Kleinfelder, 2009).

The remediation goal for the site, as defined in the Consent Decree and reiterated in the CAP is to return groundwater to conditions that are protective of public health and the environment or achieve contamination levels at or below the MDE's current groundwater standards and action levels where possible as determined by the MDE (Kleinfelder, 2009).

A summary of additional remedial actions conducted to achieve the objectives stated in the Consent Decree and the CAP are provided in the Remediation Activity Matrix below and the following sections.

Year	Remedial Measures Implemented	Remediation Equipment Operating During the Year		Volume Removed/Treated (gallons)
2006	• Recovery from up to 81 Wells on 15 separate properties o 52 Wells to Southwest, o 29 Wells to Northeast • Groundwater & LNAPL recovery • DPE • SVE	• Vacuum Trucks • Internal Combustion Engines • Pneumatic and Electric Submersible Pumps • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Positive Displacement Blowers • Liquid Ring Pumps • Flame Oxidizers • Thermal Oxidizers	• Cumulative of 17 MM gallons of GW recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 8.5 MM gallons of groundwater treated and discharged to surface water.
2007	• Recovery from up to 81 Wells on 15 separate properties o 52 Wells to Southwest, o 29 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Positive Displacement Blowers • Liquid Ring Pumps • Trilobe Blower • Flame Oxidizers • Thermal Oxidizers • Catalytic Oxidizers • Vapor Phase Granular Activated Carbon	• Cumulative of 31.6 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 23.1 MM gallons of groundwater treated and discharged to surface water.
2008	• Recovery from up to 87 Wells on 15 separate properties o 53 Wells to Southwest, o 34 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 45.49 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 36.99 MM gallons of groundwater treated and discharged to surface water.
2009	• Recovery from up to 91 Wells on 15 separate properties o 56 Wells to Southwest, o 35 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 61.3 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 52.8 MM gallons of groundwater treated and discharged to surface water

Year	Remedial Measures Implemented	Remediation Equipment Operating During the Year		Volume Removed/Treated (gallons)
2010	• Recovery from up to 84 Wells on 13 separate properties o 49 Wells to Southwest, o 35 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 77.7 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 69.2 MM gallons of groundwater treated and discharged to surface water.
2011	• Recovery from up to 78 Wells on 12 separate properties o 43 Wells to Southwest, o 35 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 92.5 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 84.2 MM gallons of groundwater treated and discharged to surface water.
2012	• Recovery from up to 84 Wells on 12 separate properties o 44 Wells to Southwest, o 40 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 103.7 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 95.2 MM gallons of groundwater treated and discharged to surface water.
2013	• Recovery from up to 80 Wells on 11 separate properties o 43 Wells to Southwest, o 37 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pumps • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 115.5 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 107.0 MM gallons of groundwater treated and discharged to surface water.
2014	• Recovery from up to 75 Wells on 12 separate properties o 38 Wells to Southwest, o 37 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pump • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 127.3 MM gallons of groundwater recovered; • Approximately 8.5 MM gallons of groundwater were transported offsite for disposal; • Approximately 118.8 MM gallons of groundwater treated and discharged to surface water.
2015	• Recovery from up to 62 Wells on 9 separate properties o 25 Wells to Southwest, o 37 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic and Electric Submersible Pumps • Fluidized Bed Bioreactor • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pump • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 136.3 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater were transported offsite for disposal; • Cumulative of 127.8 MM gallons of groundwater treated and discharged to surface water.
2016	• Recovery from up to 62 Wells on 9 separate properties o 25 Wells to Southwest, o 37 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic Submersible Pumps • Air strippers • Liquid-Phase Granular Activated Carbon	• Claw Pump • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 141.4 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 132.9 MM gallons of groundwater treated and discharged to surface water.

Year	Remedial Measures Implemented	Remediation Equipment Operating During the Year		Volume Removed/Treated (gallons)
2017	• Recovery from up to 62 Wells on 9 separate properties o 25 Wells to Southwest, o 37 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic Submersible Pumps • Liquid-Phase Granular Activated Carbon	• Claw Pump • Trilobe Blower • Vapor Phase Granular Activated Carbon	• Cumulative of 144.7 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 136.0 MM gallons of groundwater treated and discharged to surface water
2018	• Recovery from up to 44 Wells on 9 separate properties o 21 Wells to Southwest, o 22 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic Submersible Pumps • Liquid-Phase Granular Activated Carbon	• Claw Pump • Vapor Phase Granular Activated Carbon	• Cumulative of 148.4 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 139.0 MM gallons of groundwater treated and discharged to surface water.
2019	• Recovery from up to 31 Wells on 9 separate properties o 14 Wells to Southwest, o 17 Wells to Northeast • Groundwater recovery • DPE • SVE	• Pneumatic Submersible Pumps • Liquid-Phase Granular Activated Carbon	• Claw Pump • Vapor Phase Granular Activated Carbon	• Cumulative of 151.07 MM gallons of groundwater recovered/treated; • Cumulative 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 141.27 MM gallons of groundwater treated and discharged to surface water.
2020	• Recovery from up to 19 Wells on 9 separate properties o 9 Wells to Southwest, o 10 Wells to Northeast • Groundwater recovery • DPE (*shutdown in April 2020*) • SVE (*shutdown in April 2020*)	• Pneumatic Submersible Pumps • Liquid-Phase Granular Activated Carbon	• Claw Pump (*shutdown in April 2020*) • Vapor Phase Granular Activated Carbon (*shutdown in April 2020*)	• Cumulative of 152.38 MM gallons of groundwater recovered; • Cumulative of 8.5 MM gallons of groundwater transported offsite for disposal; • Cumulative of 142.43 MM gallons of groundwater treated and discharged to surface water.

2.1.2 Groundwater Recovery

Groundwater recovery from RWs has been ongoing at the Site since February 17, 2006. The number and location of RWs was optimized as assessment activities progressed and as areas being treated were remediated to concentration levels below MDE standards.

A summary of historical groundwater monitoring well and recovery well analytical data is provided in **Table 1D**. Over 116 wells on 18 properties have been utilized at some point for remediation activity; generally, the number of RWs increased as assessment activities identified additional impacted locations. Groundwater recovery expanded to deeper intervals concurrent with conversions of shallow RWs to MWs. Although addition and removal of RWs has occurred concurrently, overall the number of RWs has decreased with time as the concentrations of COCs declined and the extent of the plume contracted. The focus of remediation activity has shifted from shallow recovery of LNAPL and groundwater along the initial path of migration in the first

few years, to predominantly deeper recovery of groundwater in the later years. The operational status of RWs has been presented in *Table 1 - Well Construction and Remediation Well Summary* in Quarterly Progress Reports. The progressive reduction in the number of active groundwater RWs at the Site is discussed later in this Workplan (**Sections 2.1.4 and 2.1.5**).

Groundwater RWs in both the northeast and southwest quadrants were partitioned into designated recovery zones. Each zone had its own trunk line that transported groundwater from wells in the zone to different legs of the northeast and southwest manifolds. Influent groundwater recovered from each zone has been sampled at the manifolds monthly. Monthly recording of zone flow rates was initiated in March of 2008.

Groundwater has been recovered through a combination of submersible pneumatic pumps, submersible electric pumps, and high vacuum dual phase extraction wells. Following startup of the semi-permanent groundwater treatment system in February 2007, all recovered groundwater was treated on the service station property utilizing a combination of air stripping, a fluidized bed bioreactor, and liquid phase granular activated carbon (LGAC). Prior to February 5, 2007, groundwater recovered in the southwest and northeast quadrants was treated with temporary air stripper and LGAC systems located on 3313 Papermill Road and 3418 Sweet Air Road and then discharged proportionately to the southwest and northeast outfalls. The extent of recovery and locations of the remediation equipment utilized for the interim and early remediation activities are depicted on figures from prior reports included in **Appendix A**.

Groundwater recovery, as detailed in previous submittals, and based on data collected through the fourth quarter 2020 includes:

- Approximately 152.38 million gallons of groundwater have been recovered;
- Approximately 8.5 million gallons of groundwater transported offsite for disposal;
- Approximately 142.43 million gallons of groundwater treated and discharged to surface water in accordance with general discharge permit number MDG919826.

2.1.3 DPE and SVE Activities

In addition to LPH and groundwater recovery, soil vapor extraction (SVE) and dual-phase extraction (DPE) remediation activities were initiated in 2006 for vapor phase and multi-phase hydrocarbon recovery, respectively, and included:

- Up to 15 different SVE/DPE and vapor treatment units located on up to six properties operated at various times to simultaneously extract vapors from most of the groundwater recovery wells. SVE/DPE units were relocated and upgraded to optimize recovery as different units and new property access became available.
- Vapors recovered from SVE and DPE systems were initially treated by flame and thermal oxidation, which later transitioned with decreasing concentrations to catalytic oxidation and vapor granular activated carbon (VGAC). By May 2007, treatment of recovered vapor transitioned solely to VGAC and oxidizer units were taken offline.

SVE and DPE activities were performed throughout most of the project, beginning in 2006 and continuing through April 2020, when the last DPE unit was taken offline. SVE units addressed vapor phase COCs in vadose-zone and exposed portions of the saturated zone (predominantly fractured bedrock) where the water table was depressed through groundwater extraction. DPE units addressed impacted unsaturated soil (where present), weathered and fractured bedrock, vapor phase COCs, and groundwater. Several of the former SVE and DPE system locations and wells are shown on figures in **Appendix A**.

2.1.4 Recovery Well Conversion and Rebound Testing - 2010 to 2019

A total of eight sequential RW to MW programs have been completed from 2010 through 2019 across both RW networks in the southwest and northeast areas of the Site. There has been no significant sustained rebound of petroleum related COC concentrations (benzene, toluene, ethylbenzene, and total xylenes (BTEX), or fuel oxygenates) observed following these well conversion events. As part of the RW to MW conversions, pumping equipment was removed, RWs were redeveloped, and post-conversion sampling was typically conducted monthly for three months from converted RWs and select other MWs. After the conversion sampling, the groundwater sampling returned to the MDE-approved frequency.

Triggers were established in each RW to MW conversion workplan that required resumption of remediation activities if concentrations in converted RWs or nearby MWs indicated potential adverse impacts following groundwater recovery shutdown. However, following each RW conversion event there have been no observed sustained increasing COC concentrations above MDE action levels or indications of plume migration. There have been intermittent and spatially isolated occurrences of short-lived concentration increases which subsided after one or two sampling events. In general, decreasing concentration trends prior to RW shutdowns continued with post-conversion decreasing concentration trends.

In summary, none of the former RWs over the course of the nine conversion events have warranted groundwater recovery restart or consideration of alternate remedial action. A summary of recovery well conversion events from 2010 to 2019 is provided below:

Event Months/Year	Recovery Wells Converted	Results
February - December 2010 (6)	MW-33, MW-34, MW-36, MW-51, MW-71, MW-124	No significant rebound of COC concentrations were observed in RWs and MWs
May – October 2011 (7)	MW-28, MW-60, MW-102, MW-111, MW-113, MW-123, MW-171	No significant rebound of COC concentrations were observed in RWs and MWs
November 2013 – June 2014 (10)	MW-25, MW-31, MW-49, MW-55, MW-80A, MW-80B, MW-109, MW-112, MW-117, MW-119	No significant rebound of COC concentrations were observed in RWs and MWs
May - August 2015 (14)	MW-24, MW-26, MW-29, MW-30, MW-35, MW-40, MW-52, MW-72, MW-116, MW-118, MW-126, MW-127, MW-154, MW-156	No significant rebound of COC concentrations were observed in RWs and MWs
November 2017 – July 2018 (7)	MW-32, MW-43A, MW-57, MW-59D, MW-76, MW-139, MW-181B	No significant rebound of COC concentrations were observed in RWs and MWs
September 2018 – November 2018 (15)	MW-9, MW-17, MW-36R, MW-58, MW-58R, MW-77A, MW-77B, MW-77R, MW-82, MW-84, MW-85, MW-87, MW-110, MW-137, MW-168	No significant rebound of COC concentrations were observed in RWs and MWs
April 2019 (2)	MW-169, MW-185	No significant rebound of COC concentrations were observed in RWs and MWs
June 2019 – October 2019 (13)	MW-1A, MW-2A, MW-6, MW-19, MW-21, MW-22, MW-23, MW-38, MW-74, MW-75, MW-91C, MW-152, MW-170	No significant rebound of COC concentrations were observed in RWs and MWs

2.1.5 2020 Recovery Well Conversions Report of Results

In accordance with the *Recovery Well Conversion Report of Results and Work Plan* and the corresponding MDE approval (June 2020), two groups of RWs were converted to MWs between June and August 2020 (see table below)(Kleinfelder, 2020a; MDE, 2020). Recovery wells MW-183 and SVE-3 demonstrated MtBE concentrations above 20 µg/L in the time following MDE's workplan approval and therefore were not converted and remain active RWs. A total of 14 of the proposed 16 RWs were converted to MWs.

Conversion Group No.	Wells Converted	Date Converted / Redeveloped
1 (6)	MW-4, MW-27R, MW-37, MW-82R, MW-89, MW-121	June 30 – July 1, 2020
2 (8)	MW-7, MW-13, MW-59B, MW-82B, MW-151, MW-176, MW-184 and SVE-2	August 3-5, 2020

Converted RWs and wells designated for additional monitoring were gauged and sampled monthly through October 2020. Following the third round of post-conversion sampling in October 2020, all wells were returned to their previously established MDE-approved sampling frequency.

The results of the 2020 Sequential Conversion of Select Recovery Wells are summarized as follows:

- No sustained rebound of concentrations was observed in the vicinity or downgradient of converted RWs following cessation of groundwater recovery (**Tables 1B and 1C** and **Appendix B**).
- Based on the absence of any sustained rebound of concentrations above action levels, the wells which were converted from RWs to MWs have remained offline and continue to be gauged and sampled according to the MDE-approved schedule.

Groundwater analytical data showed minimal change in concentration of MtBE and BTEX in converted RWs and the surrounding MWs (**Tables 1B and 1C**). Charts depicting concentration and groundwater elevation over time for the converted wells are presented as **Appendix B**. Based on the absence of any sustained rebound of concentrations above action levels the converted RWs have remained offline, leaving 19 RWs following the 2020 conversions.

2.1.6 Biosparge Activity

From November 2019 through April 2020, a 6-month biosparge pilot test was completed in the northeast area of the project using well MW-91C for injection of air into the groundwater aquifer. Monitoring wells MW-91, MW-183, MW-184, and MW-185 were used as primary observation wells. Other wells monitored during the pilot test included MW-47C, MW-138D, MW-168, MW-171C, MW-176, and MW-177 (Kleinfelder, 2020b).

The initial impetus for the biosparge pilot test was stagnant MtBE concentration in MW-138D. Prior to conversion to a RW in April 2019, MW-138D was interval sampled at 10 different depths. The MtBE concentrations at many of the deeper intervals did not demonstrate a decreasing trend over time consistent with many nearby RWs and MWs. Following conversion to a RW and aided by the biosparge activity, MtBE concentrations in MW-138D have demonstrated a decreasing trend.

Based on the monitored natural attenuation study including microbe assessment (see **Section 2.2**), there is evidence of MtBE and BTEX microbe degraders present at the locations and depths of the biosparge pilot test. The results provide a positive indicator for the biodegradation potential throughout the aquifer, especially under aerobic conditions.

Observations from the biosparge pilot test activities included:

- The pH readings during the pilot test, with few exceptions, were within the range of 6 to 8 standard units, favorable for proliferation of microbes capable of degrading petroleum hydrocarbons (Wiedemeier, et al., 1995).
- Dissolved oxygen (DO) levels prior to and during the biosparge pilot test are relatively elevated, indicating little depletion of this electron acceptor consistent with the oxidation-reduction potential (ORP) results. This confirms dissolved oxygen availability for aerobic biodegradation.
- Limited ferrous iron and nitrate indicate limited anaerobic biodegradation is occurring in the vicinity of the biosparge pilot test.
- During the biosparge pilot test, dissolved DO and ORP concentrations in MW-138D (250 feet downgradient from well MW-91C) increased with time while the corresponding MtBE concentrations declined, suggesting biosparge activity at MW-91C had a positive impact on MtBE concentrations in MW-138D.
- According to Wiedemeier et al. (1995, Wiedemeier, et al., 1999), metabolic activity is affected by groundwater temperature, and biodegradation rates increase with increasing temperature between 5°C and 25°C. During the biosparge pilot test, temperature data was within this range indicating favorable temperature conditions for biodegradation.

Based on the results of the biosparge pilot test, there is a positive indication of biodegradation potential and evidence of biodegradation activity within the discrete zone of sequestered gasoline constituents. Thus, additional biosparge activity was considered beneficial to further promote and/or accelerate bioremediation activity in the aquifer. Therefore, in September 2020 the MDE approved the following activities:

- Resumption of biosparge activity consistent with the pilot test, using MW-91C as the biosparge injection well; and
- Monthly collection of DO, ORP, temperature and pH from MW-91, MW-183 [R], MW-184 [R], MW-185 [R], MW-138D, MW-176 [R], MW-168.

2.2 MONITORED NATURAL ATTENUATION ASSESSMENTS

In February 2019, a workplan was submitted to the MDE to assess if groundwater conditions at the Site are conducive to natural attenuation processes, principally biodegradation (Kleinfelder, 2019a). The workplan was approved by the MDE in March 2019 (MDE, 2019). Groundwater conditions were evaluated and reported in the *Biosparge Pilot Test Report and Workplan* (Kleinfelder, 2020b).

The conclusions of the MNA assessment suggested there is potential for microbial biodegradation in shallow and deeper portions of the aquifer based on the following observations and conditions:

- There is an abundance of MtBE and BTEX degraders present throughout the aquifer, especially aerobic degraders.
- Microbial environmental conditions (temperature and pH) are within the optimal range for microbial activity, and the microbial nutrient, orthophosphate, is available.
- Oxygen is available for aerobic biodegradation:
    - Positive ORP conditions exist throughout much of the aquifer
    - The shallow zone is replenished with oxygenated water through recharge and water table fluctuation.

A discrete area of negative ORP was observed in the deeper portion of the aquifer beneath 3501 Hampshire Glen Court, which corresponds to residual concentrations of gasoline constituents that remain sequestered at depth. Additionally, this zone does not experience as much remediation influence nor substantial replenishment of oxygenated water via recharge. This pattern is evidence of active biodegradation occurring at the remaining 'pocket' of sequestered and recalcitrant gasoline constituents in the aquifer. Downgradient migration of gasoline constituents, particularly MtBE from this area would enter an aerobic portion of the aquifer with the dissolved oxygen capacity and aerobic MtBE degraders necessary to degrade and mineralize MtBE, limiting further migration This area beneath 3501 Hampshire Glen Court was selected as the biosparge pilot test location to enhance biodegradation by the addition of dissolved oxygen (Kleinfelder, 2020b).

Results of the natural attenuation study indicated that environmental conditions (temperature and pH) are within optimal ranges for microbial activity and that the microbial nutrient orthophosphate is available to support microbial activity. ORP is predominantly positive throughout the shallow zone, reflecting aquifer restoration due to the removal of gasoline constituents by active

remediation. The shallow zone is also more directly replenished by recharge of oxygenated water from precipitation and is susceptible to aeration as the water table fluctuates. This is favorable for aerobic biodegradation in the shallow zone. The deep zone also exhibits positive ORP, but less than the shallow zone. The deep zone is not as susceptible to direct recharge of oxygenated water or aerating water table fluctuations (Kleinfelder, 2020b).

Depletion of electron acceptors (dissolved oxygen, nitrate, and sulfate) and accumulation of redox byproducts are not strongly indicated, which is consistent with the spatial distribution of predominantly positive ORP in the aquifer. This is attributed to contaminant mass removal / aquifer restoration, replenishment of oxygenated water to the shallow zone, and potential limited electron acceptor availability with regards to nitrate. This is not an indicator adverse to biodegradation, rather it is an indicator of improved aquifer conditions and an abundance of dissolved oxygen (oxygenated water) to support aerobic biodegradation. Monitoring well MW-184, located within the discrete zone of negative ORP beneath 3501 Hampshire Glen Court, exhibits the lowest detected nitrate concentration, consistent with negative ORP and indicating biodegradation. Microbial results are favorable, indicating a high abundance of the aerobic MtBE and BTEX degraders with a moderate abundance of anaerobic BTEX degraders (Kleinfelder, 2020b).

An assessment of microbial activity in the aquifer was performed as part of the biosparge test. Groundwater samples were collected from wells MW-91C, MW-183 [R], MW-184 [R], and MW-185 [R] before and after the biosparge test and analyzed for the presence of native microbes that would degrade the COCs in groundwater at the Site. Results of microbial testing included the following:

- Baseline microbial testing results (QuantArray® analysis) indicated a high proportion of aerobic MtBE degrader PM1 present in grab groundwater samples from MW-91C, MW-183 [R], MW-184 [R], and MW-185 [R].
- Post-biosparge microbial testing results (QuantArray® analysis) indicated similar proportions of aerobic MtBE degrader PM1 present in grab groundwater samples from MW-183 [R], MW-184 [R], and MW-185 [R]; however, results for Well MW-91C were four orders of magnitude lower than baseline, possibly due to dispersion caused by air injection into this well.

In summary, microbial testing indicated native microbes which will facilitate ongoing degradation of COCs are present in groundwater both prior to and following biosparge activities.

3 CURRENT REMEDIATION ACTIVITIES

This section summarizes current remediation activities being performed at the subject site. Groundwater recovery and treatment has been utilized to induce a hydraulic gradient towards recovery wells on the station and known impacted areas. The remedial objective has been to minimize migration of liquid phase and dissolved phase hydrocarbon by inducing a gradient toward RWs and inducing hydraulic control through pumping.

Current remediation activities include: (i) groundwater extraction from 19 recovery wells, treatment, and discharge under permit and (ii) biosparge activity at MW-91C to enhance native petroleum hydrocarbon degrading microbes. These are discussed in more detail in the sections below.

3.1 CURRENT GROUNDWATER RECOVERY AND TREATMENT

Groundwater is currently recovered from 19 RWs as depicted on **Figure 1.** Recovery wells are fitted with pneumatic pumps that convey groundwater from the well to the groundwater treatment system. The 19 RWs include: MW-3, MW-16, MW-16R, MW-27, MW-38C, MW-45, MW-45R, MW-54B, MW-73C, MW-82D, MW-138D, MW-178C, MW-181A, MW-183, MW-187A, MW-187B, MW-187C, SVE-1, and SVE-3.

Groundwater recovery is conducted in compliance with *Water Appropriation and Use Permits* BA2006G003(05) (MDE, 2018a) and BA2006G103(03) (MDE, 2018b), and groundwater treatment and discharge is conducted in compliance with the *Notice of Intent* (NOI) to discharge permit including effluent sampling twice per month. LGAC is used to treat recovered groundwater prior to discharge.

Groundwater recovery and treatment system performance for the Fourth Quarter 2020 is summarized below.

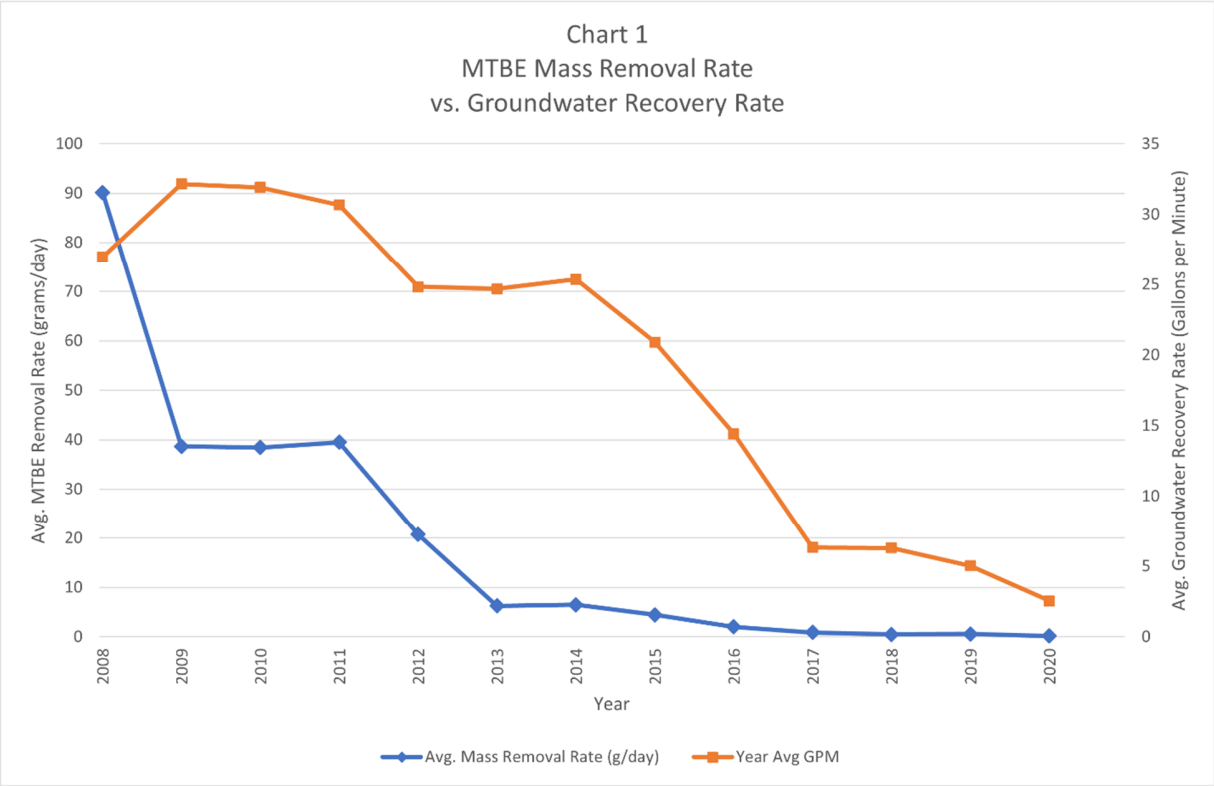
Quadrant	Runtime (%)	Est. Average Pumping Rate (gpm)	Treatment Efficiency	Average System Influent MTBE (µg/L)
Southwest (up to 9 wells)	~98.3	0.98	100%	14
Northeast (up to 10 wells)	~98.3	0.60	100%	

3.1.1 Groundwater Treatment System Influent Metrics

The groundwater treatment system is currently operating at a flow rate of approximately two (2) gallons per minute (gpm) (December 2020). During 2020, flow rates ranged from 1.6 to 5.4 gpm, and influent MtBE concentrations ranged from 3.0 to 35.0 µg/L. Groundwater treatment system combined influent MtBE concentrations were below the MDE standard for nine of the twelve months during 2020. Combined influent MtBE concentrations have been less than the MDE standard since September 2020.

In the Fourth Quarter 2020 approximately 206,050 gallons of water was recovered from the recovery well network. Based on an average influent MTBE concentration of 14 micrograms per liter (µg/L), approximately 0.024 pounds (lbs) or 10.9 grams of MTBE were recovered by the groundwater treatment system in the fourth quarter 2020, or an average daily recovery rate of 0.00026 lbs/day (0.12 grams/day). A chart of average estimated MTBE recovery rates since 2008 is presented on Chart 1 below which indicates asymptotic recovery rates. From 2008 through 2020, groundwater recovery rates have declined from approximately 32 to less than 2 gpm as fewer RWs operate due to the contraction of the groundwater plume. During this same period, influent MTBE concentrations have decreased from an average of 1,120 µg/L to an average of 14 µg/L as the aquifer is restored as the combined result of remedial activity and natural attenuation.

Chart 2 below shows the groundwater system recovery rate and MtBE influent concentrations (2008 through 2020). As noted above, groundwater recovery system runtime in the Fourth Quarter 2020 was greater than 98%, which is typical of the runtime and system reliability over the system operations, while influent concentrations and mass recovery have decreased to asymptotic conditions.



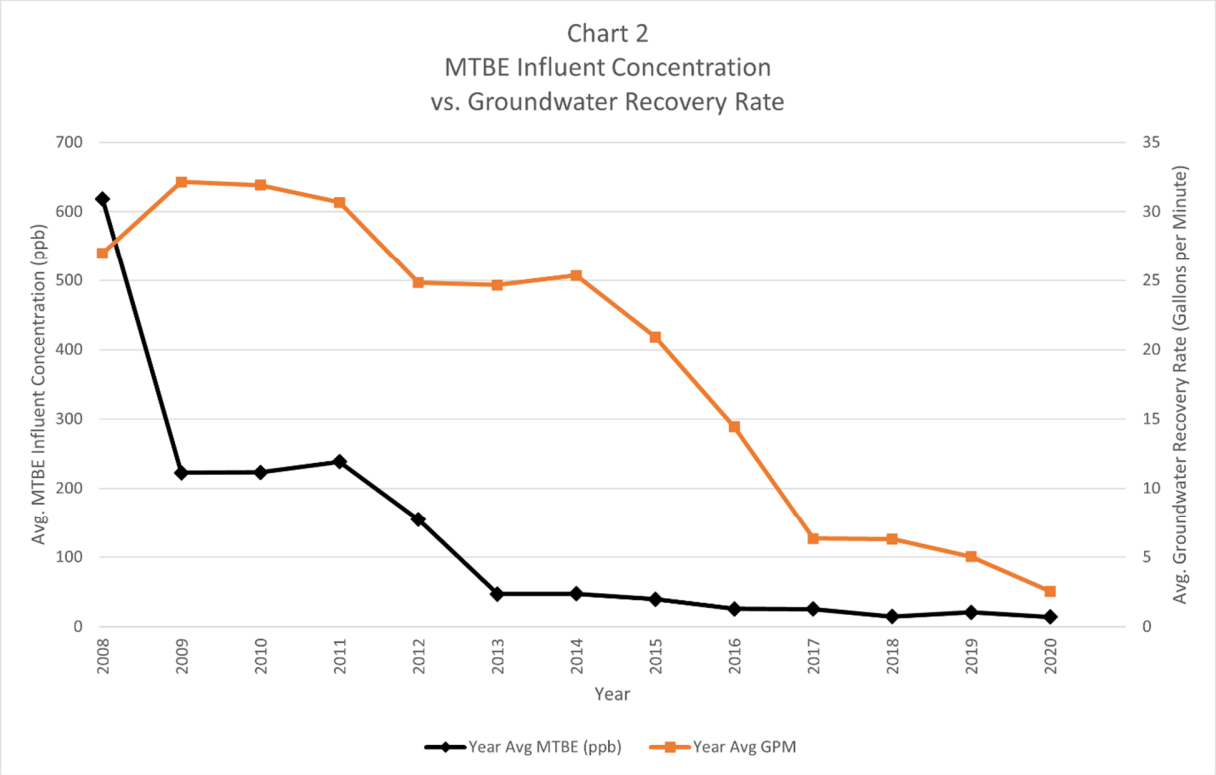


Figure 1 shows the locations of current recovery wells which include 6 shallow wells on the former station in the vicinity of the gasoline release area, and extend through the intersection with 3 wells in the shallow, intermediate and deep zones, and to the east/northeast including 3 shallow wells on properties adjacent to the intersection, and 7 intermediate or deep wells at properties adjacent to the intersection and farther to the northeast. Both BTEX and MtBE concentration for the remaining 19 RWs have declined over time - see **Table 1A**. Trend charts for the 19 RWs showing COC concentrations declining with time are provided in **Appendix B**. Trends indicate remediation efforts have significantly reduced COC concentrations, in most cases to below MDE-standards.

3.2 BIOSPARGING

Based on the results of the November 2019 through April 2020 biosparge pilot test, the positive indication of biodegradation potential and the evidence of biodegradation activity within the discrete zone of sequestered gasoline constituents, additional biosparge activity was considered potentially beneficial to further promote and/or accelerate bioremediation activity in the aquifer. Therefore, the following activities were recommended to, and approved by MDE, and are ongoing:

- Continued biosparge activity at MW-91C as the injection well and the existing compressor to supply air;
- Monthly collection of DO, ORP, temperature and pH from MW-91, MW-183 [R], MW-184 [R], MW-185 [R], MW-138D, MW-176 [R], MW-168; and

Biosparge activity is ongoing using Well MW-91C, with air being delivered to this well at approximately 2 cubic feet per minute (CFM) and sixty-five (65) pounds per square inch (psi) pressure. Also the monthly collection of parameter data (DO, ORP, temperature and pH) continues from MW-91, MW-138D, MW-168, MW-176 [R], MW-183 [R], MW-184 [R], and MW-185 [R]. Groundwater sampling and gauging continues based on MDE-approved frequencies. A summary of recent monitoring results is presented in **Table 1D**.

4 PROPOSED REBOUND TESTING

Groundwater recovery and treatment has been ongoing at the former service station and surrounding properties since 2006 (see **Section 2.0**) to support the remedial goal stated in the Consent Decree and CAP - to return groundwater to conditions that are protective of public health and the environment or achieve contamination levels at or below the MDE's current groundwater standards and action levels where possible as determined by the MDE.

Groundwater concentration data from the second half of 2020 for all currently sampled wells indicate most wells (93%), including most former and some current recovery wells, have been returned below MDE standards and action levels. Based on recent operating data and the results of the MNA assessment, operation of the groundwater treatment system which is currently recovering an average of approximately 0.1 gallon per minute per well across nine properties, is providing minimal remedial benefit above and beyond ongoing natural attenuation processes.

Natural attenuation processes are anticipated to sufficiently address the remaining flux of dissolved phase COCs, such that the few remaining groundwater concentrations currently above MDE action levels or standards will continue their overall decreasing trends with occasional fluctuations. Overall, the rate of natural attenuation is anticipated to be greater than the rate of flux of remaining dissolved phase concentrations such that migration of COCs will not pose a risk to area receptors. Thus, shut down of the remaining 19 recovery wells and one biosparge well is proposed to assess and demonstrate that natural attenuation processes will ensure groundwater conditions remain protective of public health and the environment. This next proposed stage of rebound testing and demonstration of the natural attenuation processes are consistent with the established remedial goal in the CAP and Consent Decree and is commensurate with the low risk of the remaining COC concentrations in groundwater.

The 20 remaining groundwater remediation wells (including the biosparge well) proposed for conversion to monitoring wells include: MW-3, MW-16, MW-16R, MW-27, MW-38C, MW-45, MW-45R, MW-54B, MW-73C, MW-82D, MW-91C, MW-138D, MW-178C, MW-181A, MW-183, MW-187A, MW-187B, MW-187C, SVE-1, and SVE-3. **Figure 1** shows the locations of the current remediation wells.

Groundwater recovery system shutdown will include shutdown of the compressor supplying air to the 19 pneumatic groundwater recovery pumps and biosparge well MW-91C. Baseline depth-to-

water gauging and groundwater analytical data will be collected in the first quarter 2021 prior to groundwater treatment system shutdown. Rebound groundwater monitoring will include the 19 recovery wells, biosparge well MW-91C, and currently sampled quarterly and semiannually, and additional groundwater monitoring wells further outlined in **Section 4.2**.

The basis and lines of support for the rebound test are included in the sections below.

4.1 BASIS FOR INITIATING REBOUND TESTING

Rebound testing following shutdown of the remaining 20 remediation wells is proposed based on evaluation of the system data and well data trends. From this evaluation the following lines of evidence support initiating the rebound test phase of the project:

System Data

Remediation system influent concentrations and mass recovery rates are at asymptotic low levels indicating the system is operating at the point of diminishing returns, as indicated by low influent MtBE and benzene concentrations:

- **Decreasing MtBE Influent Concentrations** - Combined system influent MtBE concentration during 2020 was below the MDE action level (20 µg/L) during nine of the twelve months in 2020; influent concentration was often less than half the MDE standard and finished 2020 at 16 µg/L MtBE. The influent concentration was 1.2 µg/L MtBE in January 2021.
- **Decreasing Benzene Influent Concentrations** - Combined system influent benzene concentrations during 2020 were below MDE standard (5 µg/L) during ten of the twelve months in 2020; the influent benzene concentration was non-detect or a J-flag (estimated detection less than 1 µg/L) for nine months in 2020.

Groundwater Conditions

Groundwater data, including response to past RW conversions, limited isolated dissolved phase MtBE concentrations, MNA indicators, coupled with the limited effectiveness of the ongoing active remediation system support that there is low risk to project area groundwater conditions from the shutdown of recovery wells and rebound testing, as detailed below:

- Nine recovery well conversion events have been completed since 2010, including well conversions in 2020, with no persistent rebound of petroleum-related COC concentrations above the MDE standards and no observed migration of petroleum-related COCs to nearby wells.

- Following shutdown of 13 RWs in mid-2020 and removal of low to non-detect concentration influent (e.g. “dilute” groundwater recovery) from these wells, overall system influent concentrations remained low, indicating low level overall contaminant mass available for recovery by the system.
- Only eight of the 19 current recovery wells were persistently above the MDE action level for MtBE (20 µg/L) in the last 12 months. Of these eight, only MW-138D has been consistently above 100 ppb MtBE. All 8 wells (including MW-138D) exhibit decreasing trends with some wells demonstrating periodic increases followed by corresponding decreases (e.g. SVE-1) yet with an overall decreasing trend.
- Only 1 of the 19 remaining recovery wells (MW-187A) was persistently above the MDE standard for benzene (5 µg/L) in the last 12 months. However, MW-187A is exhibiting decreasing trends.
- Natural attenuation has been demonstrated to be on-going through field monitoring and collection of groundwater geochemical data and microbial samples;
- Due to springtime precipitation, the second quarter is the optimal time to complete a rebound evaluation. Subsurface infiltration of peak seasonal precipitation may flush residual COCs from the vadose zone into the aquifer.
- The groundwater treatment system is not considered to be providing meaningful recovery or remedial benefit. In 2020, the system averaged less than 2.5 gpm with an approximate average influent concentration of 14 µg/L MtBE. At these rates, an average of 0.19 grams of MtBE is estimated to be recovered each day. Ongoing natural attenuation processes are anticipated to address the estimated ongoing rate of flux to continue to be protective of public health and the environment.

Sustainability

- Current groundwater recovery/treatment activities, which require the use of fossil fuels, greenhouse gas emissions, electric usage, equipment usage, added vehicular and personnel traffic in the neighborhood, generate a larger carbon footprint and impact to the environment and community than necessary when considering that the same goal of restoring groundwater to be protective of public health and the environment may be achievable with MNA-only.

The above data-supported lines of evidence and other supporting factors for rebound testing are discussed in further detail in the subsections below.

4.1.1 Groundwater Monitoring and Recovery Wells Concentration Trends

At the beginning of 2020, thirty-two groundwater RWs were supplying groundwater to the treatment system. This was reduced to nineteen RWs by the end of August 2020 after MDE-approved RW conversion activities. Concentrations of MtBE in the remaining RWs have continued to show declining trends, as presented in the charts included in **Appendix B**. Monitoring wells with residual concentrations also show (as with RWs) ongoing declining concentration trends. Across the sampled monitoring and recovery well network, in the second half of 2020, only 9 wells (MW-45, MW-54C, MW-138D, MW-139, MW-178C, MW-183, MW-187A, MW-187C, and SVE-1) had COC concentrations above MDE standards or action levels. These 9 wells show decreasing MTBE concentrations through the second half of 2020 and are generally below 100 µg/L (as explained above the exception being MW-138D), though occasional concentration fluctuations are observed. This is the case with the recent MTBE result at SVE-1 (adjacent to the former tank field), which in the fourth quarter 2020 had a concentration of 170 µg/L MtBE. Examining the SVE-1 trend graph (**Appendix B**), COC concentrations have fluctuated, above and below action levels despite ongoing use as a recovery well. Deactivating the pump in SVE-1 and other wells is not expected to adversely impact area groundwater conditions nor the overall decreasing concentration trends in SVE-1.

Overall, the need for hydraulic control is significantly reduced compared to prior significantly higher concentration conditions. It is expected that natural attenuation processes will continue to control and degrade the ongoing residual flux of COC concentrations and thereby maintain groundwater conditions protective of area receptors. It is expected that rebound test groundwater concentrations will demonstrate continued stable to decreasing trends in a MNA-only regime and sustaining groundwater conditions protective of public health and the environment.

4.1.2 Groundwater Treatment System Influent Concentration Trends

Groundwater is currently recovered from 19 RWs(MW-3, MW-16, MW-16R, MW-27, MW-38C, MW-45, MW-45R, MW-54B, MW-73C, MW-82D, MW-138D, MW-178C, MW-181A, MW-183, MW-187A, MW-187B, MW-187C, SVE-1, and SVE-3) (**Figure 1).**

Recovery well MW-73C has some above-grade return lines and only operates seasonally during the warmer months (March through November). The groundwater treatment system is currently operating at a flow rate of approximately 2 gpm. The combined influent flow rate ranged from approximately 1.6 to 5.4 gpm in 2020, averaging 1.9 gpm since the last conversion of RWs was

completed. Influent MtBE concentrations ranged from 3.0 to 35.0 µg/L and averaged 14 µg/L, and influent benzene ranged from ND (1.0) to 30.0 µg/L and averaged 4.9 µg/L during 2020.

During 2020, combined influent MtBE concentration was below the MDE standard during nine of twelve months. MTBE influent concentrations have steadily dropped over the operation of the groundwater recovery system. Two years into the remediation effort in 2008 influent MTBE concentrations averaged 618 µg/L, influent MTBE in 2013 averaged 47 µg/L and influent MTBE in 2018 averaged 15 µg/L. Over time the influent groundwater flow rate has also decreased, thus yielding a declining mass recovery rate. The mass recovery rate was estimated at 90.16 grams per day (g/d) in 2008 and approximately 0.19 g/d in 2020. Charts presenting the influent groundwater flowrate, average influent MTBE concentrations and the average influent MTBE mass recovery rates since 2008 was presented in the previously discussed Charts 1 and 2. These charts indicate that the rate of decline has slowed over the last three years (almost flattened) for both the influent concentration and influent mass recovery indicating asymptotic recovery trends.

Operation and maintenance groundwater data is tabulated and presented in the above Chart 1 and Chart 2. The 2020 influent concentrations and estimated mass recovery rates indicate appropriate timing to initiate a rebound test of the aquifer. It is expected the rebound test will demonstrate continued decreasing COC concentration trends in the current network of both the shut-down recovery wells and the groundwater monitoring wells with no active remediation in use (no pumping or biosparge).

4.1.3 Monitored Natural Attenuation

Natural attenuation processes are known to support the ongoing degradation of dissolved phase petroleum hydrocarbon constituents within groundwater. These processes include biodegradation, sorption, dilution, evaporation, and chemical reactions (EPA, 2012). Across the project area, previous MNA groundwater sampling plus microbial sample collection and analyses have demonstrated aquifer conditions conducive and supportive of these natural attenuation processes. In turn, the natural attenuation processes are considered to be the primary driver of ongoing reduction of residual MtBE and benzene concentrations. Microbes identified by Microbial Insights laboratory indicated the presence of both aerobic and anaerobic microbes capable of degrading MtBE, BTEX, and other petroleum related constituents (Kleinfelder, 2020b).

MNA Geochemical Parameters

Completed geochemical analyses and field monitoring for MNA parameters have indicated conditions are conducive to the natural degradation of residual dissolved-phase COCs in the area aquifer (Kleinfelder, 2020b). The field data collected indicates:

- Microbial environmental conditions (temperature and pH) are within the optimal range for microbial activity;
- The microbial nutrient, orthophosphate, is available;
- Oxygen is available for aerobic biodegradation of COCs;
- Positive ORP conditions exist throughout much of the aquifer, reflecting aquifer restoration due to the removal of gasoline constituents by active remediation;
- The shallow zone is replenished with oxygenated water through recharge and water table fluctuation.

These optimal conditions for biodegradation are expected to continue during the rebound test, and in the future, which will facilitate continued attenuation of petroleum related COCs from the aquifer. Active remediation was shut down southwest of the Site in 2015. There was been no rebound of concentrations nor migration of COCs to any receptors to the southwest. Correspondingly, continued attenuation on the Site property and to the northeast will also demonstrate groundwater conditions remain protective of public health and the environment. The proposed rebound test performance data will be reviewed, and if appropriate, acted upon, to ensure COCs do not migrate to area receptors such as private supply wells or surface water bodies at concentrations that pose a risk. These objectives are consistent with the remedial goal of the Consent Decree and the CAP.

The analytical data from groundwater samples collected during the rebound assessment and COC concentration trends will be reviewed to confirm either natural attenuation processes are maintaining a stable to decreasing plume, or migration of COCs may be occurring at concentrations that could pose a risk to receptors. Additionally, field monitoring for geochemical parameters such as temperature, DO, and ORP during the collection of groundwater samples from shutdown recovery wells and groundwater monitoring wells will verify continuation of groundwater conditions supportive of attenuation processes.

Microbial Presence in Subsurface

Microbial Insights' QuantArray® analyses of groundwater samples demonstrated evidence of microbes and microbe populations capable of degrading MtBE, BTEX, polycyclic aromatic hydrocarbons (PAHs), and short and long chain alkanes by quantification of the specific functional genes responsible for both aerobic and anaerobic biodegradation of these compounds. These types of microbes congregate in areas of petroleum hydrocarbon releases and are typically observed downgradient in migrating groundwater impacted with related COCs. The importance of the anaerobic degraders being present is that in areas where DO and ORP are lower than optimum, due to depth within groundwater, or in areas with higher COCs concentrations, biodegradation processes continue. The presence of BTEX/MtBE reducing microbes at significant populations within the aquifer supports decreasing (i.e. degrading) concentrations of the residual dissolved phase COCs in groundwater. These microbe processes will continue during the rebound test and confirm aquifer conditions are appropriate for continued degradation of the dissolved-phase residual contaminant mass flux.

4.1.4 Diminished Returns

It is expected that natural attenuation processes alone will achieve the remedial objective of ensuring groundwater conditions protective of public health and the environment. The groundwater recovery and treatment system is currently operating under conditions of diminishing returns and asymptotic recovery rates. The remaining nineteen groundwater RWs generated an average of 2 gpm with an average MtBE concentration of 14 µg/L MtBE in the fourth quarter of 2020. This recovery rate yields an estimated MTBE mass recovery rate of only 0.19 g/d. This limited groundwater recovery over a large lateral and vertical area within the aquifer is not providing significant remedial benefit. The limited technical and economic benefit of the groundwater recovery and treatment system is demonstrated by the removal of approximately 70 grams of COCs during all 2020 at a substantial use of utilities, labor, land use, consumables, and operations.

4.1.5 Sustainability

The environmental footprint of current remediation activities requires the use of fossil fuels for transportation, equipment operation and maintenance, waste generation, consumable material production and consumption (LGAC), and recovery of groundwater from the area drinking water source. Collectively, the remediation activities can be equated to emissions of greenhouse gases

to the atmosphere and with a negative corresponding environmental impact versus the remediation benefit when considering a MNA-only approach is expected to achieve the same remedial goal. Shutting down the groundwater recovery and treatment system and monitoring the ongoing natural attenuation benefit will reduce or eliminate many of these contributing impacts and the corresponding greenhouse gas emission equivalent.

4.2 REBOUND TESTING AND MONITORING ACTIVITIES

The groundwater recovery system is proposed to be taken offline to initiate the rebound test, at which point all RWs and the biosparge well will be shutdown concurrently. The following sequential activities are proposed to initiate and monitor rebound test activities:

- Collect baseline data – complete the current MDE-approved quarterly and semiannual groundwater sampling events in the first quarter 2021. The gauging and analytical data will be used as the baseline data set for the rebound testing; historical data trends in data tables and trends charts (**Appendix B**) will also be used for rebound concentration trend analysis.
- Shut down air compressor - pumping from all recovery wells and biosparge activity at MW-91C will cease simultaneously.
- Remove pumps –groundwater recovery pumps and down-well lines will be removed from the nineteen recovery wells.
- Recovery well redevelopment – the 19 recovery wells will be redeveloped prior to the first rebound groundwater monitoring event. Each RW will be agitated using a surge block to flush and mobilize sediment, then a submersible pump will be used to evacuate water and suspended sediment from the well. At least five well volumes of fluid will be removed or until water being discharged demonstrates minimal turbidity (whichever comes first).
- Rebound evaluation data - Following recovery shutdown and redevelopment, groundwater gauging and sampling will continue as summarized below. **Figure 2** shows the distribution of the proposed sampling plan. The rebound test groundwater sampling program is presented in more detail in **section 4.3**.
    - Monthly sampling of the 19 RWs starting two weeks after completion of recovery well redevelopment.
    - Quarterly sampling – continue sampling the remainder of the quarterly monitoring well network (42 wells) plus 10 additional monitoring wells. Start of the quarterly sampling event will begin one month after completion of recovery well redevelopment.

- Semi-annual sampling – continue sampling the semi-annual monitoring well network.

- Quarterly and semi-annual potable well sampling events for the current 28 properties will continue with no proposed modifications (discussed further below).
- Maintain compressor, pumps, and lines onsite during rebound testing to allow for restart of the groundwater recovery system or for post-rebound test cycling of specific recovery wells if warranted. The system compressors and other system components will be cycled on /off monthly to maintain in operable condition.
- Provide monthly email communications to MDE, presenting updated data tables, trend graphs (for the 19 recovery wells) and a summary of groundwater elevation observations.

4.3 REBOUND TEST SAMPLING PLAN

The current and proposed additional groundwater rebound test sampling and gauging activities are outlined below:

Monthly Recovery Wells

MW-3, MW-16, MW-16R, MW-27, MW-38C, MW-45, MW-45R, MW-54B, MW-73C, MW-82D, MW-138D, MW-178C, MW-181A, MW-183, 187A, MW-187B, MW-187C, SVE-1, and SVE-3

Quarterly Monitoring Wells

MW-1A, MW-2A, MW-4, MW-6, MW-7, MW-13, MW-17, MW-19, MW-22, MW-27B, MW-27R, MW-32, MW-37, MW-38, MW-40, MW-54, MW-59B, MW-75, MW-78A, MW82, MW-82B, MW-82R, MW-89, MW-91C, MW-99A, MW-101A, MW-121, MW-139, MW-151, MW-152, MW-169, MW-170, MW-176, MW-178B, MW-181C, MW-182, MW-184, MW-185, MW-188D, MW-189D, PW-01 and SVE-2

Proposed Additional Quarterly Monitoring Wells

MW-8, MW-41A, MW-41B, MW-41C, MW-67, MW-100B, MW-106, MW-140A, MW-140B, and PW-3501

Semiannual Monitoring Wells

MW-1, MW-2, MW-4A, MW-8, MW-9, MW-12, MW-15, MW-21, MW-23, MW-24, MW-25, MW-26, MW-29, MW-30, MW-36, MW-36C, MW-36R, MW-38B, MW-47BB, MW-47C, MW-48D, MW-52, MW-54C, MW-57, MW-58, MW-59A, MW-59B, MW-72, MW-76, MW-77A, MW-77B, MW-78C, MW-80A, MW-80B, MW-84, MW-85, MW-87, MW-88, MW-91, MW-91D, MW-105,

MW-106, MW-110, MW-125, MW-137, MW-138, MW-144, MW-146C, MW-154, MW-159, MW-160, MW-168, MW-171, MW-171C, MW-176CC, MW-177, MW-179C, MW-180A, and MW-181B.

Figure 2 shows the current MDE-approved sampling frequencies, recovery wells and the proposed 10 additional quarterly monitoring wells to provide additional data density during the rebound assessment. Groundwater samples will be analyzed for the following constituents:

- BTEX by EPA 8260B
- Fuel oxygenates by EPA 8260B

Private Supply Wells

Private supply well (PSW) sampling locations and the location of remaining point-of-entry treatment (POET) systems are shown on **Figure 2**. The 28 PSW locations shown are those specified for continued sampling in the MDE's *Response to Request to Stop Sampling Potable Wells* dated January 25, 2021 (MDE, 2021) (Kleinfelder, 2020c). Additional PSW sampling is not proposed as part of the rebound testing.

In addition to the data obtained from the PSW sampling program, the following monitoring programs are also protective of the area drinking water supply.

- Monthly analytical data from recovery wells will provide the first indicator of concentration rebound. The first monthly groundwater sampling data collection will be two weeks after recovery system shutdown. If groundwater concentrations indicate an increasing trend above MDE standards that may pose a risk to PSWs, contingencies are proposed in **Section 4.4**.
- Following suspension of the limited remaining groundwater recovery, the groundwater aquifer will return to its natural state and flow patterns. It is unlikely that the limited remaining groundwater recovery (2 gpm across 19 recovery wells) is significantly altering the aquifer's steady state conditions. Little groundwater flow change is expected when only PSWs are recovering groundwater. Quarterly groundwater elevation gauging and preparation of potentiometric surface maps will continue to evaluate potential changes in the potentiometric surface, which are anticipated to be minimal.
- The extensive quarterly and semi-annual groundwater monitoring network will provide an indication if, as a result of suspended groundwater recovery, any low-level residual dissolved phase contaminant mass is mobilized beyond former recovery wells and/or shows a change in established concentration trends.

- Over the course of the 9 previous RW conversion events, with residual dissolved phase concentrations in remaining RWs at significantly higher levels, no persistent or significant concentration rebound or mobilization has been observed. Furthermore, the 9 previous RW conversion events (affecting a total of 88 RWs) have not demonstrated any influence on PSWs. See **Figure 3** which illustrates the broad distribution of previously converted RWs.
- PSWs that were historically impacted or those that were (for various reasons) at risk to potential impact remain protected by POET systems (see **Figure 2**) which will continue to be monitored and maintained per the current schedule.

4.4 REBOUND ASSESSMENT CONTINGENCIES

The remedial goal as stated in the Consent Decree and the CAP is to return groundwater to conditions that are protective of public health and the environment or achieve contamination levels at or below the MDE's current groundwater standards and action levels where possible as determined by the MDE. Data from the vast majority of monitoring wells, including former recovery wells, indicate the aquifer has largely been returned to concentrations below the MDE's current standards as a result of both remediation and natural attenuation processes over the past 15 years. When the recovery wells are shut off and the rebound assessment is conducted, the expectation is for current conditions to persist, including maintaining an overall stable to decreasing plume through ongoing attenuation processes.

When remediation activities cease it is common to observe isolated rebound in groundwater concentrations. However, intermittent or isolated rebound-increases in COC concentrations are not necessarily indicative of wider plume migration. Furthermore, if rebound concentrations increase but remain relatively low, they do not necessarily pose a risk of mass flux to area receptors. Accordingly, rebound assessment monitoring results will be evaluated to confirm conditions remain protective of public health and the environment, and if rebound test results include the following conditions contingencies will be considered and implemented, as appropriate after consultation with the MDE:

- Criteria from Flowcharts in **Appendix C** (3 consecutive results with each value increasing over the prior result and above action level) should be the basis for triggering a discussion with MDE as to whether action is required, and what action may be appropriate. Because not all wells proposed for shutdown are currently below MDE standards, COCs concentration trends in groundwater will be evaluated on a well-by-well basis, in addition to evaluating nearby groundwater monitoring wells and overall changes to the groundwater plume.

- Indication of COC migration [i.e. increasing trends in more than one (1) well in the same vicinity, or in wells outside of the 19 RWs recently shut down] at concentrations above MDE standards that may pose a risk to area receptors would prompt action (e.g. resume focused pumping).
- PSW action trigger – If any PSW demonstrates an increasing low-level concentration trend for MtBE approaching half the MDE drinking water standard (i.e. > 10 µg/L), the MDE will be notified as required. Together with the MDE, the situation including new proactive measures for that PSW will be evaluated. As in the past, this may include the addition of a point-of-entry treatment (POET) to the PSW. However, based on the 9 previous RW conversion events (88 RW conversions), with residual dissolved phase concentrations at significantly higher levels, no persistent or significant concentration rebound or mobilization has been observed in MWs, RWs or PSWs.

Contingency actions will be implemented if deemed necessary after any of the above criteria are met and following consultation with the MDE, and may include:

- Additional monitoring including increased frequency or additional wells for a period of time or until the criteria condition has abated;
- Well redevelopment or over-purging;
- Focused cycling of groundwater recovery, e.g. resuming pumping in a former recovery well or wells for 1 month with additional sampling during the operational and non-operational cycles;
- Focused cycling of biosparge activity, e.g. resuming biosparge in MW-91C or other wells for 1 month with additional sampling during the operational and non-operational cycles; and
- Other remedial actions, such as technologies that may enhance natural attenuation, as deemed appropriate to maintain protectiveness of area receptors.

4.5 REPORTING

Monthly email communications will be submitted to MDE during the rebound test, presenting updated data tables, COCs trend graphs (for the 19 recovery wells), a summary of groundwater elevation observations, and other relevant information. If needed, Kleinfelder and ExxonMobil will discuss with MDE, via teleconference, the contents of these communications to track progress of rebound test activities.

In addition, results of the rebound assessment will be documented in a report and submitted to the MDE, following rebound assessment activities and confirmation that continued natural attenuation processes is sufficient to maintain groundwater conditions which are protective of public health and the environment. The report will include a discussion of completed activities, figures depicting the location of activities and wells included in monitoring, graphs showing trends at wells used to assess rebound of petroleum hydrocarbons (if any), a continued post-remedial groundwater monitoring plan, and a recommendation for permanent groundwater recovery and treatment system shut down, if appropriate. Upon receipt of written concurrence from the MDE, the groundwater recovery and treatment system will be permanently shut down. The groundwater recovery and treatment system will be decommissioned and demobilized from the former service station. Wells previously connected to the groundwater recovery and treatment system will be converted to groundwater monitoring wells, or abandoned, as appropriate.

5 SCHEDULE

Activities proposed in this Workplan will be performed according to the following proposed schedule:

- Collect and analyze quarterly and semiannual groundwater samples from MDE-approved wells during first quarter 2021;
- Shutdown the groundwater recovery and treatment system, and biosparge air compressor, immediately following the collection of quarterly and semiannual groundwater samples for analyses;
- Perform supplemental field monitoring and groundwater sampling and analyses as proposed in **Section 4** for 6 months;
- Resume normal field monitoring and groundwater sampling and analyses of MDE-approved wells following the completion of proposed 6-month rebound testing activities.
- Submit Report of Results to the MDE 45 days following receipt of the last round of rebound assessment monitoring data.

6 REFERENCES

Kleinfelder, 2006a. *Tank Excavation Assessment Report, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County. Maryland.* April 30, 2006

Kleinfelder, 2006b. *Preliminary Hydrogeologic and Contaminant Assessment Report, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County. Maryland.* July 2006.

Kleinfelder, 2021. *Fourth Quarter 2020 Groundwater Monitoring and Remediation Status Report*. January 2021.

Kleinfelder, 2019a*. Proposal for Natural Attenuation Evaluation, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2*. February 4, 2019.

Kleinfelder, 2019b. *Natural Attenuation Evaluation Report, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2*. July 25, 2019.

Kleinfelder, 2019c. *Proposal for Monitored Natural Attenuation Study Addendum, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2*. September 26, 2019.

Kleinfelder, 2006c. *Interim Remediation Measures Plan, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County. Maryland*. March 27, 2006.

Kleinfelder, 2006d. *Updated Interim Remedial Measures Plan, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County. Maryland*. September 25, 2006.

State of Maryland, 2008. *Consent Decree*. September 11, 2008.

Kleinfelder, 2009. *Corrective Action Plan*, *Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland*. January 2, 2009.

Maryland Department of the Environment (MDE), 2008. *Corrective Action Plan, Case No. 2006-0303-BA2, Jacksonville Exxon R/S No. 2-8077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland.*. October 6, 2008.

Kleinfelder, 2020a. *Recovery Well Conversion Report of Results and Work Plan, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2.* June 2020.

MDE, 2020. *Approval of Sequential Recovery Well Conversions, Case No. 2006-0303-BA, Former Exxon R/S No. 2-8077*. June 29, 2020.

Wiedemeier, T., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1995. *Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater, Air Force Center for Environmental Excellence, v. 1.* November 11, 1995.

Wiedemeier, T., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1999. *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface*. March 1999.

Maryland Department of the Environment (MDE), 2019. *Approval of Groundwater Monitoring Reduction and Well Abandonment Request.* March 29, 2019.

Kleinfelder, 2020b. *Biosparge Pilot Test Report, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2.* July 30, 2020.

Maryland Department of the Environment (MDE), 2021. *Response to Request to Stop Sampling Potable Wells, Case Number 2006-0303-BA2, Former Exxon R/S No. 2-8077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, MD*. January 25, 2021

Maryland Department of the Environment (MDE), 2018a. *State Water Appropriation Permit No. BA-2006G003(05), Revision 5. Former Exxon R/S No. 2-8077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, Case Number 2006-0303-BA2*. January 25, 2018.

Maryland Department of the Environment (MDE), 2018b. *Water Appropriation and Use Permits BA2006G103(03)*. *Revision 3. Former Exxon R/S No. 2-8077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, Case Number 2006-0303-BA2*. January 25, 2018.

United States Environmental Protection Agency, 2012. *EPA 524-F-12-014 – A Citizen's Guide to Monitored Natural Attenuation*. September 2012.

Kleinfelder, 2020c. *Request to Stop Sampling Potable Wells, Inactive Exxon Facility #28077, 14258 Jarrettsville Pike, Phoenix, Baltimore County, Maryland, MDE Case No. 2006-0303-BA2.* October 7, 2020.

7 LIMITATIONS

Kleinfelder performed the services for this project under the Enabling Agreement with Procurement, a division of ExxonMobil Global Services Company (signed on November 28, 2012). Kleinfelder states that the services preformed are consistent with professional standard of care defined as that level of services provided by similar professionals under like circumstances. This report is based on the regulatory standards in effect on the date of the report. It has been produced for the primary benefit of ExxonMobil Global Services Company and its affiliates.

TABLES

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-3 [R]	03/16/2015	310	810	150	540	1810	3100	17	47	370	1000	
	06/18/2015	560	2500	450	1400	4910	3300	20	52	440	1100	
	09/29/2015	1	1	0.8 J	2	5 J	22	ND(1)	0.6 J	3	27	
	12/23/2015	38	19	45	69	171	90	4	10	16	700	
	03/14/2016	ND(1)	2	0.5 J	3	6 J	5	ND(1)	ND(1)	ND(1)	6	
	06/20/2016	4	4	4	8	20	24	ND(1)	0.6 J	2	39	
	09/28/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(20)	
	12/08/2016	170	220	390	270	1050	1000	7 J	16	100	980	
	03/20/2017	2	ND(1)	2	ND(1)	4	99	ND(1)	0.5 J	5	20	
	05/23/2017	73	92	200	120	485	340	ND(5)	8	33	730	
	09/28/2017	10	360	420	840	1630	16	ND(1)	ND(1)	3	6 J	
	12/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	24	ND(1)	ND(1)	2	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	ND(1)	ND(5)	
	08/23/2018	0.4 J	0.5 J	0.3 J	ND(5)	1.2 J	68	0.9 J	2	5	21 J	
	12/17/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	02/22/2019	1	0.7 J	0.4 J	0.6 J	3 J	20	ND(1)	ND(1)	2	ND(25)	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	
	06/24/2019	ND(1)	3	86	110	199	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/27/2019	40	110	55	150	355	130	1	2	13	74	
	12/12/2019	11	3	11	12	37	63	0.5 J	0.8 J	6	40	
	12/13/2019	34	44	54	73	205	180	2	3	14	100	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.83 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/11/2020	0.38 J	0.25 J	ND(1.0)	ND(6.0)	0.63 J	1.2	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-16 [R]	03/10/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	DRY
	06/18/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/22/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	DRY
MW-16 [R]	09/19/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	03/09/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Dry
	05/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/27/2017	0.6 J	ND(1)	ND(1)	1	2 J	5	ND(1)	ND(1)	ND(1)	6 J	
	02/28/2018	1	4	2	12	19	12	ND(1)	ND(1)	ND(1)	8	
	05/17/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	0.3 J	1	ND(25)	
	12/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	06/24/2019	ND(1)	3	80	100	183	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/24/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	0.6 J	1	2	ND(25)	
	08/20/2019	0.9 J	ND(1)	ND(1)	ND(3)	0.9 J	3	0.2 J	0.5 J	0.6 J	ND(25)	
	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	0.3 J	ND(1)	ND(25)	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.60 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1A

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14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-16R [R]	03/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	06/18/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	140	2	3	13	ND(5)	
	09/29/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/22/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/14/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.7 J	1	ND(1)	ND(5)	
	06/13/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(20)	
	12/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2017	1	ND(1)	ND(1)	ND(1)	1	110	1	3	6	29	
MW-16R [R]	12/27/2017	0.5 J	ND(1)	ND(1)	1	2 J	5	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	86	1 J	2	6	19	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	0.6 J	0.9 J	ND(1)	3 J	
	08/24/2018	0.9 J	ND(1)	ND(1)	ND(5)	0.9 J	100	1 J	2	9	31	
	12/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	20	0.4 J	0.6 J	3	ND(25)	
	02/25/2019	18	2	1 J	6	27 J	470	3	6	43	89	
	06/11/2019	17	2	2	3 J	24 J	230	2	4	22	ND(25)	
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	7	0.4 J	0.6 J	ND(1)	ND(25)	
	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.6 J	1	0.4 J	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	38	0.71 J	1.1	1.6 J	ND(50)	
	08/11/2020	1.4	ND(1.0)	0.46 J	ND(6.0)	1.9 J	73	1.2	2.1	5.5	82	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1A

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-27 [R]	03/16/2015	1900	13000	740	3900	19540	950	44 J	70	1200	ND(250)	
	06/18/2015	870	5700	1100	3700	11370	1100	18	36	480	73	
	09/29/2015	ND(5)	ND(5)	ND(5)	ND(5)	BRL	240	ND(5)	ND(5)	26	100	
	12/23/2015	1	4	ND(1)	8	13	120	0.7 J	2	24	140	
	03/14/2016	110	3100	550	1600	5360	57	ND(10)	ND(10)	10	ND(50)	
	06/20/2016	140	840	220	670	1870	1000	7	17	190	62	
	09/19/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	12/08/2016	ND(1)	1	0.5 J	3	5 J	14	ND(1)	ND(1)	2	42	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/23/2017	18	110	13	290	431	380	ND(5)	3 J	41	55	
	09/28/2017	9	330	380	760	1479	15	ND(1)	ND(1)	3	7 J	
	12/28/2017	3	6	170	14	193	7	ND(1)	ND(1)	0.7 J	14 J	
	02/28/2018	ND(1)	17	63	150	230	13	ND(1)	ND(1)	ND(1)	10	
	05/09/2018	ND(1)	44	98	280	422	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2018	5	9	6	15	35	66	0.7 J	2	7	89	
	12/03/2018	ND(1)	ND(1)	0.2 J	ND(5)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
MW-27 [R]	02/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/25/2019	0.4 J	1 J	0.4 J	1 J	3 J	23	ND(1)	0.2 J	2	12 J	
	03/18/2019	ND(1)	1	43	98	142	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	06/24/2019	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/05/2019	ND(1)	2	12	30	44	2	ND(1)	ND(1)	ND(1)	ND(25)	
	10/10/2019	0.5 J	54	53	140	248 J	13	ND(1)	ND(1)	1	ND(25)	
	03/02/2020	ND(5)	28	36	130	194	10	ND(5)	ND(5)	ND(5)	ND(130)	
	06/22/2020	ND(1.0)	27	25	84	136	0.58 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/11/2020	ND(1.0)	22	27	88	137	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/05/2020	ND(5.0)	ND(5.0)	ND(5.0)	ND(30)	BRL	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(250)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-38C [R]	01/19/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	100	0.6 J	3	3	ND(5)	
	02/13/2015	2	13	0.6 J	5	21 J	600	3	13	120	77	
	03/13/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	25	ND(1)	0.5 J	0.8 J	ND(5)	
	04/20/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	180	0.8 J	5	5	ND(5)	
	05/12/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	290	1	7	8	ND(5)	
	06/18/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	130	0.9 J	5	4	ND(5)	
	07/21/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	110	0.8 J	4	3	ND(5)	
	08/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	76	0.8 J	4	2	ND(5)	
	09/21/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	87	0.9 J	4	3	ND(20)	
	10/13/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	100	0.9 J	4	3	ND(5)	
	11/23/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	2	ND(1)	ND(5)	
	12/31/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	1	ND(1)	ND(5)	
	01/07/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	2	ND(1)	ND(5)	
	02/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	13	ND(1)	1	ND(1)	ND(5)	
	03/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	2	ND(1)	ND(5)	
	04/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1	ND(1)	ND(5)	
	05/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1	ND(1)	ND(5)	
	06/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	1	ND(1)	ND(5)	
	07/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	2	ND(1)	ND(5)	
	08/23/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	1	ND(1)	ND(5)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-38C [R]	09/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.9 J	ND(1)	ND(5)	
	11/15/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	1	ND(1)	ND(5)	
	12/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.7 J	ND(1)	ND(5)	
	01/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	0.6 J	ND(1)	ND(5)	
	02/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	0.6 J	ND(1)	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	0.5 J	ND(1)	ND(5)	
	06/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	1	ND(1)	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	1	ND(1)	ND(5)	
	08/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	17	ND(1)	1 J	0.5 J	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	19	ND(1)	1 J	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	69	ND(1)	2	2	ND(5)	
	12/20/2017	ND(1)	ND(1)	ND(1)	2	2	140	0.9 J	3	6	ND(5)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	64	ND(1)	2	2	ND(5)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	64	ND(1)	1	2	ND(5)	
	03/09/2018	4	ND(1)	ND(1)	ND(1)	4	200	1	5	11	140	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	150	0.9 J	3	7	ND(5)	
	05/18/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	110	0.7 J	3	5	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	100	0.9 J	4	6	ND(5)	
	08/09/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	31	0.3 J	1	2	ND(25)	
	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	55	0.8 J	3	2	ND(25)	
	10/11/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	18	1	5	ND(1)	ND(25)	
	10/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	12	1	5	ND(1)	ND(25)	
	11/12/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	20	1	5	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	120	2	6	6	12 J	
	01/09/2019	0.5 J	ND(1)	ND(1)	ND(5)	0.5 J	120	2	6	9	160	
	02/28/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	100	2	6	5	ND(25)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-38C [R]	03/19/2019	0.4 J	ND(1)	ND(1)	ND(5)	0.4 J	100	1	5	5	370	
	04/09/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	69	0.8 J	3	3	ND(25)	
	06/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	10	0.2 J	0.9 J	0.5 J	ND(25)	
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	ND(1)	0.5 J	ND(1)	ND(25)	
	10/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	0.6 J	ND(1)	ND(25)	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	0.6 J	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	44	0.44 J	2.0	2.0 J	67	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	110	0.74 J	3.0	5.4	79	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	59	0.53 J	2.3	2.7 J	ND(50)	
MW-45 [R]	03/26/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/23/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	12/31/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	460	3	8	32	17	
	03/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	480	3	8	29	18	
	06/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	460	2	7	24	41	
	09/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	12/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	17	ND(1)	0.8 J	2	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	350	3	7	18	27	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(20)	
	12/20/2017	0.8 J	ND(1)	ND(1)	ND(1)	0.8 J	180	1	2	15	37	
	03/01/2018	3	ND(1)	ND(1)	ND(1)	3	500	3	8	18	18	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2018	0.7 J	ND(1)	ND(1)	ND(5)	0.7 J	630	3	10	21	ND(25)	
	11/13/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1100	5	16	31	ND(25)	
	02/11/2019	0.8 J	ND(1)	ND(1)	ND(5)	0.8 J	540	2	9	14	31	
	04/04/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	350	2	7	10	20 J	
	05/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	31	0.3 J	0.8 J	2	ND(25)	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	2	6	6	ND(25)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-45 [R]	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	130	1	4	3	ND(25)	
	12/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	160	1	4	5	ND(25)	
	01/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	160	1	4	5	ND(25)	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	30	0.7 J	2	2	ND(25)	
	04/15/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	17	0.6 J	2	1 J	ND(25)	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.48 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	37	0.52 J	1.7	1.1 J	ND(50)	
MW-45R [R]	03/26/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	06/23/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	490	3	10	33	15 J	
	12/31/2015	0.6 J	ND(1)	ND(1)	ND(1)	0.6 J	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	490	3	8	29	18	
	06/30/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.5 J	ND(1)	ND(20)	
	12/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	16	ND(1)	0.7 J	2	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	430	3	8	27	56	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(20)	
	12/20/2017	0.7 J	ND(1)	ND(1)	ND(1)	0.7 J	170	0.9 J	2	14	39	
	03/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	11/13/2018	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	1100	5	15	31	ND(25)	
	02/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/05/2019	0.5 J	ND(1)	ND(1)	ND(5)	0.5 J	330	2	7	9	18 J	
	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	13	ND(1)	0.5 J	0.4 J	ND(25)	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	250	1	4	5	11 J	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	28	0.6 J	2	2	ND(25)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-45R [R]	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.5	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	86	1.0	3.2	2.5 J	ND(50)	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-54B [R]	01/15/2015	14	74	6	39	133	8300	27	160	2100	1000	
	02/13/2015	25	130	7 J	63	225 J	6100	19	110	1500	1100	
	03/13/2015	38	250	16	96	400	8700	47	220	2900	1200	
	04/20/2015	83	950	32	210	1275	10000	77	270	2500	770	
	05/12/2015	50	1400	45	370	1865	9600	72	230	1800	760	
	06/18/2015	ND(5)	130	10	170	310	3100	20	64	460	460	
	07/21/2015	ND(1)	5	0.7 J	47	53 J	1900	13	45	300	430	
	08/10/2015	ND(1)	2	ND(1)	13	15	1800	20	64	320	510	
	09/23/2015	ND(1)	0.7 J	ND(1)	0.5 J	1.2 J	1900	14	44	290	550	
	10/13/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1500	11	38	210	590	
	11/24/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1400	10	33	180	410	
	12/31/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2400	20	64	290	73	
	01/07/2016	ND(5)	ND(5)	ND(5)	ND(5)	BRL	2200	17	55	250	120	
	02/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2000	13	43	180	320	
	03/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1200	12	39	130	410	
	04/21/2016	ND(5)	ND(5)	ND(5)	ND(5)	BRL	950	6	20	64	210	
	05/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	840	8	27	70	150	
	06/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	720	9	28	56	320	
	07/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1000	14	46	110	430	
	08/23/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1500	18	53	140	340	
	09/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/20/2016	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1200	11	35	120	280	
	11/16/2016	ND(10)	ND(10)	ND(10)	ND(10)	BRL	1200	13	40	160	330	
	12/09/2016	1	0.5 J	ND(1)	ND(1)	2 J	1100	15	43	160	320	
	01/10/2017	0.5 J	ND(1)	ND(1)	ND(1)	0.5 J	1400	17	55	130	62	
	02/09/2017	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1600	23	70	120	49	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	320	0.7 J	4	17	35	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-54B [R]	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	220	ND(1)	2	10	11	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	110	ND(1)	0.9 J	4	ND(5)	
	06/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	110	ND(1)	1 J	4	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	1	1	7	
	08/08/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Pump down for repair
	09/20/2017	3	0.8 J	ND(1)	ND(1)	4 J	44	1 J	3	4	76	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	330	5	16	21	97	
	11/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	260	5	15	18	19	
	12/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	270	4	12	17	18	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	ND(1)	1	0.7 J	ND(5)	
	02/28/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Pump down for repair
	03/13/2018	4	ND(1)	ND(1)	ND(1)	4	72	2	6	8	160	
	04/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	ND(1)	1	1	14	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	230	4	13	16	140	
	06/15/2018	3	1	0.6 J	0.6 J	5 J	34	1	ND(1)	ND(1)	110	
	07/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	100	2	6	7	74	
	08/10/2018	0.3 J	1	ND(1)	1 J	2 J	45	0.8 J	3	4	ND(25)	
	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(25)	
	10/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	1	4	0.3 J	ND(25)	
	11/14/2018	0.7 J	ND(1)	ND(1)	ND(5)	0.7 J	190	4	12	20	510	
	12/20/2018	1	0.2 J	ND(1)	ND(5)	1 J	160	4	12	17	610	
	01/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	110	2	5	8	73	
	02/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	67	1	4	5	28	
	02/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	70	1	4	5	26	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	32	1	4	2	10 J	
	04/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	19	1	4	0.7 J	14 J	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	7	0.6 J	2	ND(1)	ND(25)	
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.4 J	2	ND(1)	ND(25)	
	11/05/2019	ND(5)	ND(5)	ND(5)	ND(15)	BRL	8	ND(5)	3 J	ND(5)	ND(130)	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.4 J	2	ND(1)	ND(25)	
MW-54B [R]	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.43 J	ND(1.0)	0.37 J	ND(5.0)	ND(50)	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.6	1.8	5.3	ND(5.0)	ND(50)	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.2	ND(1.0)	0.97 J	ND(5.0)	ND(50)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-73C [R]	04/10/2019	8	ND(1)	ND(1)	ND(5)	8	190	1	5	10	190	
	04/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	86	1	4	5	300	
	07/29/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	1	5	ND(1)	ND(25)	
	08/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	NA	NA	NA	NA	
	09/06/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	2	9	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	7	3	11	ND(1)	ND(25)	
	12/20/2019	3	ND(1)	0.3 J	ND(3)	3 J	260	5	16	15	740	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	110	3	12	7	600	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	52	3.2	12	1.6 J	ND(50)	
	06/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	28	3.1	12	ND(5.0)	ND(50)	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.80 J	2.2	7.9	ND(5.0)	ND(50)	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	0.60 J	ND(5.0)	13 J	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	0.39 J	ND(5.0)	ND(50)	
MW-82D [R]	08/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	NA	NA	NA	NA	
	09/06/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	15	ND(1)	0.3 J	0.5 J	ND(25)	
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	ND(1)	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	ND(1)	0.3 J	ND(1)	ND(25)	
	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	0.4 J	ND(1)	ND(25)	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	17	ND(1)	ND(1)	ND(1)	ND(25)	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-138D [R]	04/11/2019	4	0.5 J	0.2 J	0.7 J	5 J	270	0.9 J	3	19	ND(25)	
	05/08/2019	4	0.6 J	0.8 J	3 J	8 J	420	1	5	28	ND(25)	
	06/26/2019	0.7 J	ND(1)	ND(1)	ND(5)	0.7 J	410	2	5	27	ND(25)	
	09/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	320	1	4	24	ND(25)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-138D [R]	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	390	1	4	26	ND(25)	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	340	1	4	19	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	340	1	4	20	ND(25)	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	310	1	4	18	ND(25)	
	01/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	290	1	4	15	ND(25)	
	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	250	1	4	13	ND(25)	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	240	1	4	9	ND(25)	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	5	ND(25)	
	04/15/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	3	0.4 J	1	0.4 J	ND(25)	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	1	3	ND(1)	ND(25)	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	4	ND(25)	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	1	3	4	ND(25)	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	3	ND(25)	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	150	1	3	2	ND(25)	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	120	1.2	3.5	1.5 J	ND(50)	
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	41	0.73 J	2.6	ND(5.0)	ND(50)	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	76	0.79 J	2.5	ND(5.0)	ND(50)	
MW-178C [R]	01/14/2015	15	14	0.8 J	3	33 J	780	7	28	60	940	
	02/11/2015	14	11	0.6 J	4	30 J	750	8	31	53	1000	
	03/11/2015	18	13	0.8 J	4	36 J	800	8	31	56	930	
	04/20/2015	3	3	ND(1)	1	7	640	4	17	41	590	
	05/14/2015	20	17	ND(1)	6	43	630	9	36	45	1700	
	06/10/2015	6	5	ND(1)	2	13	520	4	18	32	950	
	07/22/2015	0.8 J	ND(1)	ND(1)	ND(1)	0.8 J	610	3	15	33	540	
	08/10/2015	3	0.5 J	ND(1)	0.8 J	4 J	640	7	28	35	1200	
	09/21/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	690	4	14	34	300	
	10/13/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	420	
	11/23/2015	ND(5)	ND(5)	ND(5)	ND(5)	BRL	600	4 J	16	31	490	
	12/22/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	550	2	8	26	96	
	01/07/2016	ND(5)	ND(5)	ND(5)	ND(5)	BRL	530	ND(5)	9	29	70	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-178C [R]	02/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	560	2	7	23	58	
	03/09/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	440	2	8	18	15	
	04/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	450	3	14	21	200	
	05/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	06/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	390	2	6	18	17	
	07/20/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	300	2	7	12	10	
	08/25/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	530	2	7	23	16	
	09/27/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(20)	
	10/24/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	370	2	7	13	11	
	11/14/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	350	2	7	16	12	
	12/07/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	340	2	7	15	61	
	01/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	390	3	12	20	190	
	02/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	490	4	14	23	210	
	03/24/2017	ND(5)	ND(5)	ND(5)	ND(5)	BRL	410	3 J	10	20	230	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	450	4	14	24	330	
	05/15/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	520	4	15	27	430	
	06/23/2017	1	ND(1)	ND(1)	ND(1)	1	640	5	20	39	680	
	07/26/2017	0.7 J	ND(1)	ND(1)	ND(1)	0.7 J	660	5	17	40	500	
	08/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	950	4	12	44	140	
	09/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	640	3	10	38	160	
	09/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	740	3	12	42	180	
	10/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	630	3	9	34	190	
	10/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	110	2	8	5	430	
	10/18/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	87	2	8	5	1300	
	10/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	160	6	24	11	130	
	11/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	33	0.8 J	5	2	1200	
	12/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	120	4	17	8	24	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	55	ND(1)	2	3	280	
	02/21/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	25	ND(1)	2	1	850	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	54	0.8 J	4	3	840	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
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January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-178C [R]	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	93	1	6	5	670	
	05/23/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	130	1	7	6	720	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	1	1	310	
	07/10/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	66	0.7 J	4	3	490	
	08/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	ND(1)	0.6 J	0.6 J	270	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	12	ND(1)	0.8 J	1	270	
	10/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	330	
	12/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	110	2	10	6	820	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	130	2	10	7	810	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	150	1	7	8	590	
	02/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	44	1	7	2	1300	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	180	3	13	9	780	
	04/12/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	200	3	13	10	680	
	06/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	210	2	10	9	520	
	07/29/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.8 J	1	5	ND(1)	ND(25)	
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	2	9	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	90	2	9	4	320	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	110	2	7	5	86	
	01/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	130	2	8	7	490	
	04/15/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	120	4	14	7	560	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	20	0.29 J	1.1	ND(5.0)	ND(50)	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	56	2.3	9.6	3.1 J	460	
MW-181A [R]	01/20/2015	13	7	ND(1)	130	150	240	0.7 J	2	18	7	
	02/10/2015	11	5	ND(1)	69	85	240	0.7 J	2	17	8	
	03/26/2015	9	3	ND(1)	67	79	270	0.8 J	2	21	9	
	04/28/2015	1	ND(1)	ND(1)	12	13	120	ND(1)	0.9 J	10	4 J	
	05/12/2015	1	0.5 J	ND(1)	11	13 J	80	ND(1)	0.5 J	5	2 J	
	06/22/2015	2	ND(1)	ND(1)	26	28	74	ND(1)	0.5 J	5	3 J	
	07/28/2015	6	2	ND(1)	100	108	170	ND(1)	1	12	5	
	08/13/2015	2	ND(1)	ND(1)	40	42	100	ND(1)	0.6 J	7	3 J	

TABLE 1A

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-181A [R]	09/23/2015	4	ND(1)	ND(1)	52	56	110	ND(1)	0.8 J	7	ND(20)	
	10/14/2015	1 J	ND(1)	ND(1)	13	14 J	51	ND(1)	ND(1)	3	ND(5)	
	11/30/2015	4	ND(1)	ND(1)	23	27	180	ND(1)	1	12	3 J	
	12/15/2015	2	ND(1)	ND(1)	18	20	190	0.6 J	1	12	ND(5)	
	01/29/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	02/25/2016	1	ND(1)	ND(1)	11	12	130	ND(1)	0.8 J	9	3 J	
	03/22/2016	7	3	ND(1)	94	104	120	ND(1)	0.8 J	8	4 J	
	04/18/2016	5	1	ND(1)	45	51	70	ND(1)	0.6 J	5	2 J	
	05/11/2016	4	1	ND(1)	49	54	70	ND(1)	0.5 J	6	2 J	
	06/28/2016	3	ND(1)	ND(1)	25	28	82	ND(1)	0.7 J	7	3 J	
	07/26/2016	8	ND(1)	ND(1)	13	21	200	0.6 J	1	16	5	
	08/23/2016	5	ND(1)	ND(1)	6	11	150	ND(1)	1	11	4 J	
	09/23/2016	3	ND(1)	ND(1)	5	8	110	ND(1)	0.9 J	8	ND(20)	
	10/25/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	28	ND(1)	ND(1)	1	ND(5)	
	11/15/2016	11	ND(1)	ND(1)	17	28	260	0.9 J	2	22	7	
	12/22/2016	8	ND(1)	ND(1)	44	52	240	0.7 J	2	19	8	
	01/31/2017	12	ND(1)	ND(1)	49	61	340	1	3	ND(1)	9	
	02/28/2017	5	ND(1)	ND(1)	13	18	350	0.9 J	2	27	9	
	03/28/2017	3	ND(1)	ND(1)	17	20	170	ND(1)	1	11	6	
	04/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/18/2017	5	ND(1)	ND(1)	12	17	200	0.5 J	1	15	5	
	06/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	11/15/2017	2	ND(1)	ND(1)	ND(1)	2	47	ND(1)	ND(1)	2	8	
	12/15/2017	ND(1)	ND(1)	ND(1)	8	8	140	ND(1)	0.9 J	9	9 J	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	140	ND(1)	1	10	12	
	02/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-181A [R]	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	74	ND(1)	0.7 J	4	5	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	64	ND(1)	0.6 J	3	3 J	
	05/23/2018	1	ND(1)	ND(1)	ND(1)	1	63	ND(1)	0.8 J	4	4 J	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	48	ND(1)	ND(1)	2	ND(5)	
	07/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	60	ND(1)	0.6 J	3	ND(5)	
	08/23/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	30	ND(1)	0.4 J	0.7 J	90	
	09/13/2018	ND(1)	ND(1)	ND(1)	3 J	3 J	120	0.4 J	0.9 J	9	11 J	
	10/09/2018	0.3 J	ND(1)	ND(1)	2 J	2 J	190	0.9 J	2	17	ND(25)	
	11/13/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	120	0.7 J	1	8	13 J	
	12/20/2018	3	0.5 J	ND(1)	12	16 J	250	1	2	19	12 J	
	01/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	230	1 J	2	16	ND(25)	
	02/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	52	0.5 J	1	2	14 J	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	36	0.4 J	1 J	1 J	ND(25)	
	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	25	0.3 J	0.7 J	1	ND(25)	
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	19	0.3 J	0.9 J	0.5 J	ND(25)	
	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.5 J	1	ND(1)	ND(25)	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.92 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.23 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-183 [R]	01/14/2015	71	6	6	7	90	1900	26	100	170	3600	
	02/11/2015	46	4	4	5	59	1500	24	85	130	3500	
	03/11/2015	41	3	3	4	51	870	15	58	95	1900	
	04/20/2015	45	12	2	15	74	1100	24	110	110	6500	
	05/14/2015	34	3	2	5	44	1000	22	91	100	4400	
	06/10/2015	23	2	2	2	29	900	18	71	82	3900	
	07/22/2015	5	ND(1)	0.8 J	ND(1)	6 J	880	16	64	71	3400	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
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January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-183 [R]	08/10/2015	5	ND(5)	ND(5)	ND(5)	5	760	12	50	53	3300	
	09/21/2015	10	0.7 J	1	0.8 J	13 J	750	16	60	61	3300	
	10/13/2015	5	ND(1)	1 J	ND(1)	6 J	660	13	51	55	2500	
	11/23/2015	10	ND(5)	ND(5)	ND(5)	10	600	13	48	46	3000	
	12/22/2015	14	0.7 J	0.9 J	0.6 J	16 J	560	12	47	44	2400	
	01/07/2016	9	ND(5)	ND(5)	ND(5)	9	500	11	43	43	2200	
	02/08/2016	10	ND(1)	0.7 J	ND(1)	11 J	530	10	41	37	2200	
	03/09/2016	6	ND(1)	0.7 J	ND(1)	7 J	510	11	44	40	2000	
	04/21/2016	11	0.6 J	0.9 J	ND(1)	13 J	520	9	36	38	2000	
	05/16/2016	10	ND(1)	0.8 J	ND(1)	11 J	470	9	36	35	1600	
	06/16/2016	10	ND(1)	0.7 J	ND(1)	11 J	390	9	34	29	1900	
	07/20/2016	10	ND(1)	0.6 J	ND(1)	11 J	390	9	37	31	1800	
	08/25/2016	4 J	ND(5)	ND(5)	ND(5)	4 J	380	8	31	25	1900	
	09/27/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	0.5 J	2	ND(1)	32	
	10/24/2016	9	ND(1)	0.5 J	ND(1)	10 J	350	9	39	27	1800	
	11/14/2016	8	ND(1)	ND(1)	ND(1)	8	300	10	38	27	1800	
	12/07/2016	8	ND(1)	0.5 J	ND(1)	9 J	310	10	39	27	1900	
	01/26/2017	5	ND(1)	ND(1)	ND(1)	5	270	8	33	20	1600	
	02/09/2017	8	ND(1)	ND(1)	ND(1)	8	320	11	43	26	1700	
	03/24/2017	6	ND(1)	ND(1)	ND(1)	6	250	10	36	21	1800	
	04/10/2017	2	ND(1)	ND(1)	ND(1)	2	240	9	34	20	1600	
	05/15/2017	1	ND(1)	ND(1)	ND(1)	1	230	9	33	17	1500	
	06/23/2017	5	ND(1)	ND(1)	ND(1)	5	240	10	36	21	1400	
	07/27/2017	6	ND(1)	0.6 J	ND(1)	7 J	240	9	35	20	1600	
	08/28/2017	2	ND(1)	ND(1)	ND(1)	2	230	9	34	18	1600	
	09/20/2017	2	ND(1)	ND(1)	ND(1)	2	240	10	35	19	1500	
	09/26/2017	2	ND(1)	ND(1)	ND(1)	2	230	9	34	18	1600	
	10/04/2017	2	ND(1)	ND(1)	ND(1)	2	210	7	29	16	1500	
	10/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	180	6	25	13	530	
	10/18/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	170	6	25	13	210	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-183 [R]	10/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	170	6	26	12	59	
	11/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	140	6	23	10	ND(5)	
	12/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	120	4	16	7	ND(5)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	13	0.6 J	2	2	1300	
	02/21/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	18	0.7 J	3	2	990	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	19	0.7 J	3	2	1200	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	0.8 J	1 J	390	
	05/18/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	2	1	330	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	1	1	310	
	07/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	0.9 J	0.7 J	390	
	08/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	ND(1)	0.6 J	0.7 J	260	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	11	ND(1)	0.7 J	1 J	270	
	10/03/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	13	ND(1)	0.8 J	1	330	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	14	ND(1)	0.9 J	1	330	
	12/20/2018	0.3 J	0.2 J	ND(1)	ND(5)	0.5 J	16	0.3 J	1	2	240	
	01/08/2019	0.4 J	0.5 J	ND(1)	ND(5)	0.9 J	19	0.3 J	1	ND(1)	180	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	17	0.4 J	2	0.5 J	68	
	03/13/2019	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	61	1	6	3	94	
	05/02/2019	ND(1)	0.3 J	ND(1)	ND(5)	0.3 J	80	1	6	3	120	
	06/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	39	0.9 J	5	0.8 J	ND(25)	
	07/22/2019	0.2 J	ND(1)	ND(1)	ND(5)	0.2 J	3	ND(1)	0.7 J	0.3 J	570	
	08/16/2019	ND(1)	0.5 J	ND(1)	ND(5)	0.5 J	0.4 J	ND(1)	ND(1)	ND(1)	37	
	10/14/2019	0.9 J	2	0.8 J	ND(3)	4 J	2	ND(1)	0.2 J	ND(1)	ND(25)	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.6 J	2	ND(1)	ND(25)	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	0.4 J	2	ND(1)	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	0.4 J	1	ND(1)	ND(25)	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.6 J	2	ND(1)	ND(25)	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	66	2	8	2	290	
	06/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.87 J	ND(1.0)	0.24 J	ND(5.0)	ND(50)	
	08/12/2020	2.5	ND(1.0)	ND(1.0)	ND(6.0)	2.5	61	3.8	16	5.8	1000	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	49	1.7	8.0	4.5 J	620	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
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January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187A [R]	01/28/2015	1500	3200	190	1300	6190	5200	180	520	4200	140	
	02/24/2015	710	1100	49	470	2329	3400	120	340	2300	71	
	03/17/2015	640	1100	71	480	2291	3000	99	320	2400	69	
	04/01/2015	3600	7800	790	2400	14590	18000	360	1300	9600	390	
	04/14/2015	2800	9100	820	2500	15220	11000	NA	NA	NA	NA	
	04/27/2015	2100	6100	490	1600	10290	9400	NA	NA	NA	NA	
	04/28/2015	2700	8400	760	2400	14260	11000	NA	NA	NA	NA	
	04/29/2015	2500	7700	640	2100	12940	9500	NA	NA	NA	NA	
	04/30/2015	1700	5500	470	1600	9270	8200	NA	NA	NA	NA	
	05/01/2015	1900	5900	490	1700	9990	8500	NA	NA	NA	NA	
	05/04/2015	2200	7300	630	2200	12330	7700	NA	NA	NA	NA	
	05/05/2015	1800	5700	590	2100	10190	7500	NA	NA	NA	NA	
	05/06/2015	2300	7700	630	2300	12930	8300	NA	NA	NA	NA	
	05/07/2015	2000	7100	560	2100	11760	7400	NA	NA	NA	NA	
	05/14/2015	1900	5000	500	2100	9500	6400	120	370	3100	130	
	05/20/2015	1900	6200	520	2200	10820	5700	110	320	2500	120	
	05/28/2015	1500	5600	460	1800	9360	4300	83	260	2200	110	
	06/04/2015	1900	6900	580	2200	11580	4800	92	290	2600	120	
	06/11/2015	1500	6600	490	1900	10490	4200	82	250	2200	120	
	06/16/2015	1200	5200	520	1700	8620	3800	NA	NA	NA	NA	
	06/25/2015	1600	5900	500	1900	9900	5400	99	310	2700	120 J	
	07/02/2015	1500	6000	610	2000	10110	4200	84	250	2200	ND(250)	
	07/09/2015	7	48	5	22	82	18	ND(1)	1	10	5 J	
	07/16/2015	1400	5700	500	1700	9300	3500	75	220	1900	79	
	07/20/2015	1600	7400	660	2200	11860	3300	85	250	2200	98	
	07/30/2015	1500	6200	540	1800	10040	3500	67 J	190	1800	ND(500)	
	08/06/2015	930	4100	380	1300	6710	2000	46	130	1200	51	
	08/13/2015	1400	5900	480	1800	9580	3200	64	180	1800	63 J	
	09/10/2015	1200	4800	350	1500	7850	3400	64	170	1900	83 J	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
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MW-187A [R]	10/13/2015	1300	5000	430	1500	8230	2600	50	120	1500	86 J	
	11/20/2015	1100	4400	440	1500	7440	2600	41 J	110	1200	ND(250)	
	12/31/2015	1100	4700	460	1700	7960	2400	36	86	1100	74 J	
	01/07/2016	1100	4200	430	1600	7330	2200	37	89	1100	60 J	
	02/29/2016	680	3000	320	1100	5100	1300	22	51	580	98	
	03/30/2016	700	3100	310	1100	5210	1400	23	49	550	82 J	
	04/21/2016	530	2600	240	980	4350	1100	16	34	410	48 J	
	04/25/2016	510	2500	120	1100	4230	1200	14	29	440	64	
	05/03/2016	650	3000	220	1300	5170	1200	20	44	500	57	
	05/12/2016	620	3300	370	1300	5590	1200	13 J	36	430	53 J	
	06/24/2016	610	3600	340	1400	5950	1300	19	37	390	51	
	07/26/2016	590	3600	360	1500	6050	1400	15	31	330	75	
	08/25/2016	580	3800	350	1500	6230	1200	10 J	21	250	150	
	09/30/2016	120	810	34	420	1384	1400	5	15	190	80	
	10/17/2016	96	540	45	260	941	1600	5	15	150	110	
	11/30/2016	64	370	41	220	695	1100	5	14	120	630	
	12/16/2016	75	520	51	260	906	820	5	10	130	77	
	01/31/2017	650	3600	330	1700	6280	800	12	20	300	78	
	02/10/2017	630	4200	300	1600	6730	1000	11	22	300	74	
	03/24/2017	3	19	ND(1)	36	58	150	1	2	35	29	
	04/07/2017	220	1100	32	800	2152	900	8	16	210	64	
	05/31/2017	290	2000	41	970	3301	830	5 J	11	140	63	
	06/29/2017	71	370	25	280	746	410	3	6	70	100	
	07/19/2017	65	150	3 J	85	303 J	1000	9	15	200	170	
	08/09/2017	380	2500	170	1200	4250	800	7 J	12	160	38 J	
	09/21/2017	260	1500	43	870	2673	580	5	8	100	33 J	
	10/25/2017	310	2800	160	1300	4570	670	6 J	10	140	54	
	11/10/2017	320	2900	140	1300	4660	610	6 J	10	120	47 J	
	12/28/2017	270	2200	130	1200	3800	600	5	9	120	57	
	01/11/2018	ND(10)	10 J	ND(10)	18	28 J	5 J	ND(10)	ND(10)	ND(10)	73	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
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Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187A [R]	02/27/2018	170	1400	70	830	2470	590	ND(10)	10	110	53	
	03/13/2018	230	1900	78	1000	3208	590	6 J	8 J	110	58	
	04/06/2018	180	1800	56	950	2986	540	ND(10)	7 J	110	68	
	05/23/2018	1	22	0.7 J	33	57 J	12	ND(1)	ND(1)	7	16	
	06/14/2018	10	48	2	40	100	91	1	1	20	8	
	07/12/2018	5	8	ND(1)	15	28	110	1 J	2	23	13	
	08/23/2018	5	38	3	67	113	360	4	6	95	100	
	09/13/2018	19	64	6	69	158	420	5 J	8	110	150	
	10/16/2018	18	100	4	61	183	430	5	9	140	150	
	11/27/2018	210	1900	120	990	3220	320	3 J	5 J	60	ND(250)	
	12/31/2018	200	730	58	840	1828	280	2 J	4 J	74	ND(130)	
	01/18/2019	260	2100	190	1300	3850	250	ND(20)	ND(20)	ND(20)	ND(500)	
	02/06/2019	190	1500	120	910	2720	190	2 J	3 J	49	72 J	
	03/11/2019	180	1300	85	790	2355	200	ND(20)	ND(20)	49	ND(500)	
	04/11/2019	38	200	10	110	358	45	1	2	28	11 J	
	05/09/2019	150	1300	110	850	2410	210	3 J	3 J	55	ND(130)	
	07/10/2019	210	2000	230	1400	3840	190	2 J	3 J	46	ND(130)	
	09/13/2019	300	3000	330	1800	5430	170	ND(2)	3	ND(2)	ND(50)	
	10/01/2019	ND(1)	0.8 J	ND(1)	2 J	3 J	130	0.4 J	2	5	93	
	11/06/2019	330	3100	230	1900	5560	190	2 J	3 J	45	ND(130)	
	12/18/2019	310	3400	210	1800	5720	180	2 J	3 J	39	ND(250)	
	01/09/2020	0.3 J	2	ND(1)	20	22 J	43	0.8 J	0.9 J	13	13 J	
	06/16/2020	180	1800	ND(1.0)	1400	3380	ND(1.0)	1.2	1.8	22	34 J	
	07/16/2020	210	2000	180	1500	3890	88	1.1 J	1.7 J	20 J	ND(250)	
	07/30/2020	230	ND(2.0)	190	1500	1920	85	ND(2.0)	1.4 J	18	ND(100)	
	08/26/2020	210	1700	170	1400	3480	85	1.0 J	1.7 J	18	42 J	
	09/18/2020	180	1900	170	1400	3650	70	ND(5.0)	ND(5.0)	ND(25)	ND(250)	
	10/20/2020	13	120	7.1	97	237	54	ND(5.0)	ND(5.0)	12 J	82 J	
MW-187B [R]	01/28/2015	28	2	ND(1)	ND(1)	30	7800	30	90	660	390	
	02/24/2015	29	2	ND(1)	ND(1)	31	7500	39	130	650	380	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187B [R]	03/17/2015	17	ND(5)	ND(5)	ND(5)	17	6000	23	85	620	690	
	04/27/2015	14	2	ND(1)	ND(1)	16	6000	23	90	570	490	
	05/14/2015	7	2	ND(1)	ND(1)	9	5400	12	50	330	400	
	06/17/2015	ND(5)	ND(5)	ND(5)	ND(5)	BRL	5800	12	46	320	390	
	07/20/2015	1 J	0.5 J	ND(1)	ND(1)	2 J	6900	15	59	350	380	
	08/13/2015	ND(5)	ND(5)	ND(5)	ND(5)	BRL	9200	21	79	520	340	
	09/10/2015	5 J	13	ND(10)	ND(10)	18 J	8000	13	50	390	490	
	10/13/2015	2	ND(1)	ND(1)	ND(1)	2	9300	26	93	570	290	
	11/20/2015	3	ND(2)	ND(2)	ND(2)	3	6700	21	80	390	460	
	12/31/2015	ND(10)	ND(10)	ND(10)	ND(10)	BRL	7800	17	64	480	370	
	01/07/2016	0.6 J	ND(1)	ND(1)	ND(1)	0.6 J	7600	20	73	450	470	
	02/29/2016	ND(5)	ND(5)	ND(5)	ND(5)	BRL	4400	10	40	280	470	
	03/30/2016	18	0.6 J	0.9 J	0.5 J	20 J	8200	24	83	490	390	
	04/25/2016	480	1700	87	850	3117	1300	17 J	37	450	72 J	
	05/12/2016	520	2700	270	1000	4490	1100	15 J	34	400	82 J	
	06/24/2016	670	3300	250	1200	5420	1500	19	39	410	53	
	07/26/2016	560	3200	280	1300	5340	1200	13	28	340	66	
	08/25/2016	500	3500	270	1300	5570	1200	10 J	21	250	130	
	09/30/2016	ND(2)	ND(2)	ND(2)	ND(2)	BRL	2100	3	13	120	670	
	10/17/2016	ND(10)	ND(10)	ND(10)	ND(10)	BRL	2200	ND(10)	16	110	880	
	11/30/2016	1 J	7	ND(2)	7	15 J	2200	5	19	150	900	
	12/16/2016	1300	6400	180	2200	10080	2100	26	48	720	230	
	01/31/2017	510	3100	190	1300	5100	1100	10	21	270	140	
	02/10/2017	500	3000	170	1200	4870	1100	10	21	270	120	
	03/24/2017	1	15	1	23	40	11	ND(1)	ND(1)	2	ND(5)	
	04/07/2017	180	730	23	690	1623	900	8	12	200	63	
	05/31/2017	270	1600	38	820	2728	810	6	11	140	58	
	06/29/2017	2	15	0.6 J	90	108 J	500	1	5	32	66	
	07/19/2017	1 J	2	ND(1)	5	8 J	280	0.7 J	3	25	35	
	08/09/2017	1	8	0.7 J	8	18 J	130	0.6 J	2	8	6	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187B [R]	09/21/2017	3	14	ND(1)	13	30	6	ND(1)	ND(1)	1	11 J	
	10/25/2017	ND(1)	2	ND(1)	4	6	30	ND(1)	ND(1)	2	8	
	11/10/2017	ND(1)	0.7 J	ND(1)	4	5 J	230	1	4	12	28	
	12/29/2017	ND(1)	ND(1)	ND(1)	0.7 J	0.7 J	210	1	4	10	ND(20)	
	01/11/2018	ND(1)	ND(1)	ND(1)	0.8 J	0.8 J	130	1	3	6	ND(5)	
	02/27/2018	ND(1)	0.6 J	ND(1)	0.6 J	1.2 J	14	ND(1)	0.7 J	2	2 J	
	03/13/2018	ND(1)	0.6 J	ND(1)	ND(1)	0.6 J	14	ND(1)	0.6 J	2	ND(5)	
	04/06/2018	ND(1)	0.8 J	ND(1)	ND(1)	0.8 J	130	1 J	3	5	ND(5)	
	05/21/2018	ND(1)	0.9 J	ND(1)	ND(1)	0.9 J	20	ND(1)	0.6 J	2	5	
	06/14/2018	ND(1)	0.9 J	ND(1)	ND(1)	0.9 J	24	ND(1)	0.7 J	ND(1)	3 J	
	07/12/2018	ND(1)	2	ND(1)	ND(1)	2	12	ND(1)	ND(1)	0.7 J	5 J	
	08/23/2018	0.3 J	0.7 J	ND(1)	ND(5)	1.0 J	4	ND(1)	0.2 J	0.6 J	ND(25)	
	09/13/2018	ND(1)	0.6 J	ND(1)	ND(5)	0.6 J	5	ND(1)	0.2 J	0.6 J	11 J	
	10/16/2018	ND(1)	0.4 J	ND(1)	ND(5)	0.4 J	3	ND(1)	ND(1)	0.4 J	ND(25)	
	11/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	320	2	6	16	160	
	12/31/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	130	0.4 J	1	7	100	
	01/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	150	1	3	5	88	
	02/06/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	37	0.8 J	3	0.6 J	49	
	03/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	150	0.8 J	3	6	110	
	04/11/2019	6	69	3	60	138	280	0.9 J	3	25	95	
	05/09/2019	ND(1)	0.3 J	ND(1)	ND(5)	0.3 J	110	0.2 J	1	6	94	
	07/10/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	70	ND(1)	0.9 J	4	89	
	09/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	62	0.2 J	1	3	92	
	10/01/2019	ND(1)	0.8 J	ND(1)	1 J	2 J	64	ND(1)	0.8 J	4	110	
	11/06/2019	2	23	2	13	40	90	0.4 J	2	4	100	
	12/18/2019	ND(1)	1	ND(1)	ND(3)	1	29	ND(1)	0.8 J	1	43	
	01/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	37	0.2 J	1 J	2	59	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	17	ND(1.0)	0.52 J	0.84 J	15 J	
	08/26/2020	ND(1.0)	0.29 J	ND(1.0)	ND(6.0)	0.29 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.71 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

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1745 Dorsey Road Suite J, Hanover, MD

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187C [R]	11/30/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	240	0.7 J	3	11	30	
	12/31/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	540	1	6	25	ND(25)	
	01/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	590	2	7	26	ND(25)	
	02/06/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	420	1	6	18	ND(25)	
	03/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	510	2	8	16	ND(25)	
	04/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	550	2	9	19	ND(25)	
	07/10/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	510	2	9	14	ND(25)	
	09/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	580	3	11	20	ND(25)	
	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	550	3	11	20	ND(25)	
	11/06/2019	ND(5)	ND(5)	ND(5)	ND(15)	BRL	890	4 J	15	25	ND(130)	
	12/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	630	4	15	17	ND(25)	
	01/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	280	4	14	2	ND(25)	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	77	0.20 J	11	1.2 J	ND(50)	
	08/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	26	2.4	9.6	ND(5.0)	ND(50)	
	11/16/2020	24	150	13	100	287	21	ND(1.0)	0.43 J	3.2 J	13 J	
SVE-1 [R]	01/19/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	02/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	03/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/24/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(5)	
	05/12/2015	0.9 J	0.8 J	ND(1)	1	3 J	450	3	7	41	14	
	06/18/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	07/20/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	08/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	09/11/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	16	0.5 J	1	0.6 J	ND(20)	
	10/09/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	11/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	12/22/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	01/07/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	ND(1)	0.6 J	ND(1)	5 J	
	03/14/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	15	ND(1)	0.7 J	ND(1)	2 J	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
SVE-1 [R]	04/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	06/13/2016	8	11	1	19	39	810	5	10	84	110	
	07/26/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/25/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	09/19/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	10/24/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	11/30/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	0.6 J	ND(1)	ND(5)	
	01/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	0.6 J	ND(1)	ND(5)	
	02/10/2017	8	19	0.6 J	9	37 J	18	0.6 J	1	5	3 J	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	04/07/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/13/2017	3	18	5	22	48	56	ND(1)	0.6 J	5	5	
	07/27/2017	1	3	ND(1)	5	9	53	0.5 J	0.9 J	4	4 J	
	08/01/2017	8	24	1	34	67	150	0.9 J	2	13	17	
	09/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	71	1	2	4	6 J	
	10/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	11/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	0.5 J	1	ND(1)	ND(5)	
	12/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	0.6 J	1	ND(1)	ND(5)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	86	1	2	6	33	
	03/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	0.6 J	3 J	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	ND(1)	0.7 J	ND(1)	ND(5)	
	06/06/2018	0.6 J	1	ND(1)	ND(1)	2 J	110	2	3	4	15	
	07/10/2018	3	2	ND(1)	4	9	290	2	4	18	22	
	08/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	32	0.8 J	1	1	ND(25)	
	09/12/2018	0.2 J	ND(1)	ND(1)	ND(5)	0.2 J	76	1	2	3	26	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
SVE-1 [R]	10/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	7	0.4 J	1	ND(1)	ND(25)	
	12/03/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	10	0.7 J	1	ND(1)	ND(25)	
	12/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	21	1 J	2	0.3 J	ND(25)	
	01/07/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	0.5 J	0.7 J	ND(1)	ND(25)	
	02/25/2019	5	0.4 J	ND(1)	2 J	7 J	350	3	6	16	51	
	03/13/2019	3	2	0.5 J	3 J	9 J	310	3	5	19	45	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	56	0.6 J	0.9 J	2	17 J	
	04/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	10	0.7 J	1	ND(1)	ND(25)	
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	0.3 J	0.6 J	ND(1)	ND(25)	
	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	0.4 J	0.7 J	ND(1)	ND(25)	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.9 J	1	ND(1)	ND(25)	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.7 J	1	ND(1)	ND(25)	
	08/11/2020	1.4	0.47 J	ND(1.0)	ND(6.0)	1.9 J	140	1.4	2.2	8.6	54	
	11/06/2020	6.1	7.8	5.6	16	36	170	1.2	ND(1.0)	13	56	
SVE-3 [R]	01/19/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	02/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	03/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	50	ND(1)	1	1	ND(5)	
	04/24/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/12/2015	4	10	0.8 J	3	18 J	3	ND(1)	ND(1)	ND(1)	ND(5)	
	06/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/20/2015	2	ND(1)	ND(1)	ND(1)	2	88	1	3	3	120	
	08/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.6 J	ND(1)	ND(5)	
	09/11/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.5 J	1	ND(1)	ND(20)	
	10/09/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.5 J	1	ND(1)	ND(5)	
	11/10/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.6 J	1	ND(1)	ND(5)	
	12/22/2015	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	0.6 J	1	ND(1)	ND(5)	
	01/07/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	1	ND(1)	ND(5)	
	02/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.5 J	1	ND(1)	4 J	
	03/14/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	0.6 J	1	ND(1)	ND(5)	
	04/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	0.9 J	ND(1)	ND(5)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
SVE-3 [R]	05/16/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	0.6 J	1	ND(1)	ND(5)	
	06/13/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	1	ND(1)	ND(5)	
	07/26/2016	3	14	ND(1)	4	21	3	0.6 J	1	ND(1)	ND(5)	
	08/25/2016	4	26	1	7	38	3	0.6 J	1	ND(1)	ND(5)	
	09/28/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/24/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	0.9 J	ND(1)	ND(5)	
	11/30/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	0.8 J	ND(1)	ND(5)	
	12/08/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	1	ND(1)	ND(5)	
	01/30/2017	9	21	1	11	42	7	ND(1)	1 J	1	ND(5)	
	02/10/2017	10	1	ND(1)	6	17	8	ND(1)	1	2	ND(5)	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	0.8 J	ND(1)	ND(5)	
	04/07/2017	ND(1)	0.7 J	ND(1)	1	2 J	3	ND(1)	1 J	ND(1)	ND(5)	
	05/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	0.6 J	ND(1)	ND(5)	
	06/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/01/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	47	ND(1)	0.5 J	3	6	
	09/21/2017	ND(1)	ND(1)	ND(1)	6	6	200	2	3	25	10 J	
	10/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	1	1	16	
	11/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	0.5 J	1	ND(1)	ND(5)	
	12/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1	ND(1)	ND(20)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	12	0.7 J	2	ND(1)	ND(5)	
	02/06/2018	46	240	3	410	699	530	5	9	110	74	
	03/07/2018	0.6 J	2	ND(1)	3	6 J	51	3	6	3	78	
	04/06/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	06/06/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	67	1 J	2	7	6	
	07/10/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	120	1	2	11	9	
	08/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	0.6 J	ND(1)	ND(20)	
	09/12/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	0.2 J	0.4 J	ND(1)	10 J	
	10/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	ND(1)	0.2 J	ND(1)	ND(25)	

TABLE 1A

Summary of Groundwater Analytical Results - Active Recovery Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 14, 2015 through November 16, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
SVE-3 [R]	12/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	20	0.8 J	2	0.3 J	ND(25)	
	01/07/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	7	0.9 J	2	ND(1)	ND(25)	
	02/01/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	1	1	ND(1)	ND(25)	
	03/13/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	8	ND(1)	0.2 J	ND(1)	ND(25)	
	04/22/2019	5	19	0.3 J	15	39 J	48	0.9 J	2	7	10 J	
	06/26/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	0.3 J	120	
	10/15/2019	11	20	ND(1)	220	251	140	2	3	33	37	
	11/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	60	1	2	12	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.6 J	1	ND(1)	ND(25)	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	0.3 J	0.7 J	ND(1)	ND(25)	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	0.3 J	0.5 J	ND(1)	ND(25)	
	08/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.1	0.37 J	0.65 J	ND(5.0)	ND(50)	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer
BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-4 [R]	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/07/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	37	ND(1)	ND(1)	1	8 J	
	12/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/23/2018	0.3 J	0.4 J	0.2 J	ND(5)	0.9 J	52	0.7 J	1	3	16 J	
	12/06/2018	0.6 J	ND(1)	ND(1)	ND(5)	0.6 J	2	ND(1)	ND(1)	ND(1)	ND(25)	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/24/2019	ND(1)	3	69	90	162	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/05/2019	ND(1)	0.4 J	ND(1)	ND(5)	0.4 J	1	ND(1)	ND(1)	ND(1)	ND(25)	
	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-7 [R]	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	2	3	ND(1)	ND(5)	
	05/23/2017	ND(1)	ND(1)	ND(1)	10	10	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	25	0.6 J	1	1	ND(5)	
	08/23/2018	0.2 J	0.2 J	ND(1)	ND(5)	0.4 J	35	0.5 J	0.9 J	3	10 J	
	12/17/2018	ND(1)	0.3 J	0.8 J	3 J	4 J	12	ND(1)	0.3 J	1	ND(25)	
	02/22/2019	2	16	11	49	78	39	0.3 J	0.6 J	4	16 J	
	04/08/2019	ND(1)	0.5 J	0.5 J	5 J	6 J	3	ND(1)	ND(1)	0.4 J	ND(25)	
	09/05/2019	ND(1)	0.3 J	ND(1)	1 J	1 J	7	ND(1)	ND(1)	0.8 J	ND(25)	
MW-7 [R]	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.4 J	ND(25)	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-13 [R]	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/07/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	70	76	3	38	187	36	0.6 J	1	9	ND(20)	
	12/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	23	ND(1)	ND(1)	2	ND(5)	
	05/09/2018	1	3	ND(1)	3	7	13	ND(1)	ND(1)	1	ND(5)	
	08/24/2018	0.5 J	0.6 J	0.3 J	ND(5)	1.4 J	75	0.9 J	2	6	24 J	
	12/17/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(25)	
	02/22/2019	2	6	0.3 J	2 J	10 J	2	ND(1)	ND(1)	ND(1)	ND(25)	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	04/10/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/05/2019	ND(1)	0.5 J	ND(1)	1 J	2 J	1	ND(1)	ND(1)	ND(1)	ND(25)	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(25)	
	03/02/2020	0.3 J	1	ND(1)	1 J	2 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.53 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.22 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-27R [R]	03/20/2017	3	21	2	58	84	34	ND(1)	0.6 J	10	2 J	
	05/23/2017	1	1	ND(1)	6	8	250	0.8 J	2	20	130	
	09/22/2017	0.6 J	4	ND(1)	10	15 J	5	ND(1)	ND(1)	1	ND(20)	
	12/27/2017	21	19	1	53	94	970	6	13	100	420	
	02/28/2018	13	11	7	15	46	450	4	7	42	420	
	05/09/2018	ND(5)	ND(5)	ND(5)	ND(5)	BRL	540	3 J	7	46	620	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-27R [R]	08/24/2018	4	8	6	14	32	61	0.6 J	1	6	74	
	09/12/2018	ND(1)	0.2 J	ND(1)	ND(5)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/03/2018	10	35	8	53	106	38	0.3 J	0.8 J	7	32	
	02/19/2019	6	28	7	47	88	74	0.5 J	1 J	9	24 J	
	02/25/2019	0.9 J	2	0.9 J	3 J	7 J	32	ND(1)	0.4 J	3	11 J	
	03/18/2019	0.4 J	0.5 J	0.2 J	ND(5)	1.1 J	9	ND(1)	ND(1)	0.6 J	ND(25)	
	04/08/2019	4	5	8	7	24	76	0.3 J	0.7 J	5	17 J	
	09/09/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	10/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.3 J	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	63	
	03/02/2020	51	140	51	250	492	480	3	7	42	610	
	06/22/2020	ND(1.0)	27	25	84	136	0.58 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	06/23/2020	18	44 F1	19	45	126 F1	330	2.6	4.9	28	280	
	07/24/2020	14	3.9	2.7	140	161	570	5.4	9.7	59	500	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.81 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	14	ND(1.0)	ND(1.0)	1.0 J	51	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-37 [R]	01/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	06/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	0.6 J	0.9 J	ND(1)	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	0.9 J	1	ND(1)	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	2	3	ND(1)	ND(5)	
	11/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	1 J	2	ND(1)	ND(5)	
	12/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	2	2	ND(1)	ND(5)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-37 [R]	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	2	2	ND(1)	ND(5)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	0.6 J	0.6 J	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	36	1	3	3	5	
	05/18/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	0.9 J	2	ND(1)	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	1	3	ND(1)	ND(5)	
	07/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	2	5	ND(1)	ND(5)	
	08/10/2018	0.2 J	ND(1)	ND(1)	ND(5)	0.2 J	9	ND(1)	0.5 J	0.6 J	ND(25)	
	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	10/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/12/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	0.2 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.9 J	0.3 J	0.5 J	ND(1)	ND(25)	
	01/09/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.3 J	ND(1)	ND(25)	
	02/28/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(25)	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	0.3 J	0.9 J	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-59B [R]	08/14/2018	3	ND(1)	ND(1)	35	38	37	ND(1)	0.5 J	3	ND(25)	
	06/25/2019	ND(1)	ND(1)	ND(1)	2 J	2 J	10	ND(1)	ND(1)	0.8 J	ND(25)	
	09/12/2019	ND(1)	ND(1)	ND(1)	4	4	15	ND(1)	ND(1)	1	ND(25)	
	10/09/2019	ND(1)	ND(1)	ND(1)	3 J	3 J	26	ND(1)	0.5 J	ND(1)	ND(25)	
	11/05/2019	0.3 J	ND(1)	ND(1)	7	7 J	13	ND(1)	0.2 J	0.9 J	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	2 J	2 J	12	ND(1)	ND(1)	0.8 J	ND(25)	
	01/03/2020	ND(1)	ND(1)	ND(1)	2 J	2 J	10	ND(1)	ND(1)	0.6 J	ND(25)	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-59B [R]	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-82R [R]	01/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(5)	
	02/08/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	ND(1)	0.5 J	ND(5)	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	0.5 J	1	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	06/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	11/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(20)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	03/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	05/25/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/16/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	
	10/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	10/25/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	11/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/31/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	20	0.4 J	1	ND(1)	ND(25)	
	01/09/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	32	ND(1)	0.5 J	2	ND(25)	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-82R [R]	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/25/2019	0.2 J	ND(1)	ND(1)	ND(5)	0.2 J	1 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	14	0.3 J	1	ND(1)	ND(25)	
	10/14/2019	0.6 J	ND(1)	ND(1)	ND(3)	0.6 J	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	
	01/14/2020	0.9 J	ND(1)	ND(1)	ND(3)	0.9 J	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-82B [R]	01/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	02/08/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	06/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	11/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	03/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/25/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	07/10/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	5 J	
	08/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-82B [R]	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	10/04/2018	ND(1)	0.2 J	ND(1)	ND(5)	0.2 J	5	ND(1)	ND(1)	ND(1)	ND(25)	
	10/25/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	70	0.4 J	1	2	ND(25)	
	11/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/31/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	25	0.6 J	2	0.5 J	ND(25)	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	28	0.5 J	1	ND(1)	ND(25)	
	02/28/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	22	ND(1)	0.7 J	0.5 J	ND(25)	
	04/12/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	14	0.3 J	0.8 J	ND(1)	ND(25)	
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	0.4 J	ND(1)	ND(25)	
	01/14/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	14	ND(1)	ND(1)	ND(1)	ND(25)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-82B(125)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-82B(55)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.1	ND(1.0)	0.27 J	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.9	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-82B(74)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.5	ND(1.0)	0.25 J	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.9	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-89 [R]	01/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/08/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	2 J	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	41	ND(1)	ND(1)	1 J	13	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	99	ND(1)	1	4	7	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	49	ND(1)	1	ND(1)	7	
	06/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	17	ND(1)	0.6 J	0.8 J	ND(5)	
	08/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	24	ND(1)	ND(1)	1	ND(5)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-89 [R]	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	17	ND(1)	ND(1)	0.6 J	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	15	ND(1)	ND(1)	ND(1)	ND(5)	
	11/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(20)	
	01/31/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	140	0.6 J	2	7	3 J	
	03/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	120	0.5 J	1	5	ND(5)	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	33	ND(1)	0.6 J	0.8 J	ND(5)	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	18	ND(1)	ND(1)	1	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	12	ND(1)	ND(1)	0.7 J	ND(5)	
	07/10/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	13	ND(1)	ND(1)	0.7 J	ND(5)	
	08/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	8	ND(1)	ND(1)	ND(1)	ND(25)	
	09/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	8	ND(1)	ND(1)	ND(1)	ND(25)	
	10/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	ND(1)	ND(1)	ND(1)	ND(25)	
	10/25/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	11/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/31/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	02/28/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	04/12/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	
	01/14/2020	ND(10)	ND(10)	ND(10)	ND(30)	BRL	6 J	ND(10)	ND(10)	ND(10)	ND(250)	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-121 [R]	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/19/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	03/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	4 J	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/17/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	45	0.4 J	0.9 J	2	ND(25)	
	03/04/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	79	0.5 J	1	3	ND(25)	
	05/21/2019	0.4 J	ND(1)	ND(1)	ND(5)	0.4 J	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2019	1	ND(1)	ND(1)	ND(3)	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/17/2019	0.4 J	ND(1)	ND(1)	ND(3)	0.4 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/09/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	06/23/2020	ND(1.0)	0.31 J	ND(1.0)	ND(6.0)	0.31 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-151 [R]	09/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	16	0.8 J	1	3	ND(20)	
	12/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1 J	ND(1)	ND(20)	
	02/28/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Immobile pump
	05/09/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Pump broken & stuck
	08/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	0.3 J	ND(1)	ND(25)	
	12/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	7	ND(1)	0.3 J	0.5 J	ND(25)	
	03/12/2019	2	2	0.3 J	3 J	7 J	16	ND(1)	ND(1)	1	ND(25)	
	06/26/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	
	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	
MW-151 [R]	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.4	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.68 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.61 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-176 [R]	01/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	70	ND(1)	1	4	ND(5)	
	02/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	50	0.6 J	ND(1)	1	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	35	ND(1)	1	0.6 J	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	20	ND(1)	1	ND(1)	ND(5)	
	05/15/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	0.8 J	ND(1)	ND(5)	
	06/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	0.9 J	ND(1)	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	0.6 J	ND(1)	ND(5)	
	08/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	0.6 J	ND(1)	ND(5)	
	09/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	0.7 J	ND(1)	ND(5)	
	11/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	1	ND(1)	ND(5)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	0.9 J	ND(1)	ND(20)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/21/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	0.5 J	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	0.6 J	ND(1)	ND(5)	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	1	ND(1)	ND(5)	
	05/23/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	0.5 J	ND(1)	ND(5)	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1	ND(1)	ND(5)	
	07/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	19	0.5 J	2	ND(1)	ND(5)	
	08/14/2018	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	2	0.3 J	0.7 J	ND(1)	ND(25)	
	09/19/2018	0.4 J	ND(1)	ND(1)	ND(5)	0.4 J	7	0.5 J	1	ND(1)	ND(25)	
	10/18/2018	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	2	0.6 J	2	ND(1)	ND(25)	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	0.7 J	2	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	20	0.4 J	1	0.5 J	ND(25)	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	0.4 J	1	ND(1)	ND(25)	
	02/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.8 J	0.3 J	0.8 J	ND(1)	ND(25)	
MW-176 [R]	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	0.5 J	ND(1)	ND(25)	
	05/02/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.2 J	ND(1)	ND(25)	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	0.4 J	ND(1)	ND(25)	
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.4 J	ND(1)	ND(25)	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.6 J	ND(1)	ND(25)	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.4 J	ND(1)	ND(25)	
	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	0.4 J	ND(1)	ND(25)	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	0.4 J	1	ND(1)	ND(25)	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	0.3 J	1 J	ND(1)	ND(25)	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	0.6 J	ND(1)	ND(25)	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.4 J	ND(1)	ND(25)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	15	ND(1.0)	0.57 J	ND(5.0)	ND(50)	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.2	ND(1.0)	0.37 J	ND(5.0)	ND(50)	

TABLE 1B

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-176(125-135)49V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	0.36 J	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	7.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-176(150-160)48V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.1	ND(1.0)	0.28 J	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-176(164-174)51V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.6	ND(1.0)	0.24 J	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	9.5	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-176(182-192)47V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.3	ND(1.0)	0.23 J	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-176(209-219)52V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.2	ND(1.0)	0.21 J	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-176(233-243)62V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.4	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.3	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-184 [R]	01/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.7 J	ND(1)	ND(5)	
	02/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	0.8 J	ND(1)	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	1 J	ND(1)	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	1	ND(1)	ND(5)	
	05/15/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	16	0.5 J	2	ND(1)	ND(5)	
	06/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	28	0.8 J	2	0.7 J	130	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	38	0.7 J	2	1 J	ND(5)	
	08/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	40	0.9 J	2	1 J	ND(5)	
	09/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	32	0.6 J	2	0.6 J	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	33	0.7 J	2	0.6 J	ND(5)	
	11/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	85	0.9 J	3	2	ND(5)	
	12/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	59	0.9 J	3	1	ND(5)	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	58	1	3	1	ND(5)	
	02/20/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	46	0.7 J	2	1	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	43	0.8 J	2	0.9 J	9	
	04/04/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	0.8 J	1 J	390	
	05/18/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	1	ND(1)	ND(5)	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	1	5	ND(1)	7	
	07/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	0.9 J	2	ND(1)	5 J	
	08/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	5	1	5	ND(1)	78	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	17	0.5 J	4	0.6 J	ND(25)	
	10/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.8 J	ND(1)	0.2 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	3	0.6 J	3	ND(1)	ND(25)	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	42	0.4 J	1	ND(1)	ND(25)	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	8	0.3 J	1	ND(1)	ND(25)	
	03/13/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	5	ND(1)	0.7 J	ND(1)	ND(25)	
	04/12/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	0.3 J	2	ND(1)	ND(25)	
	07/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	35	0.4 J	2	0.7 J	ND(25)	
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.3 J	1	ND(1)	ND(25)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-184 [R]	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	0.5 J	1	ND(1)	ND(25)	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.5 J	2	ND(1)	ND(25)	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	24	0.3 J	1	0.4 J	ND(25)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.78 J	ND(1.0)	0.29 J	ND(5.0)	ND(50)	
MW-184(116-117)	08/27/2020	0.34 J	ND(1.0)	ND(1.0)	ND(6.0)	0.34 J	13	0.57 J	1.4	ND(5.0)	21 J	
	09/17/2020	0.48 J	ND(1.0)	ND(1.0)	ND(6.0)	0.48 J	7.2	0.79 J	2.0	ND(5.0)	56	
MW-184(143-147)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.8	0.40 J	0.91 J	ND(5.0)	19 J	
	09/17/2020	0.50 J	ND(1.0)	ND(1.0)	ND(6.0)	0.50 J	7.5	0.86 J	2.1	ND(5.0)	57	
MW-184(187)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.9	0.22 J	0.51 J	ND(5.0)	ND(50)	
	09/17/2020	0.49 J	ND(1.0)	ND(1.0)	ND(6.0)	0.49 J	11	0.95 J	2.3	ND(5.0)	51	
MW-184(240)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/17/2020	0.53 J	ND(1.0)	ND(1.0)	ND(6.0)	0.53 J	11	0.92 J	2.3	ND(5.0)	40 J	
MW-184(275)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.2	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/17/2020	0.21 J	ND(1.0)	ND(1.0)	ND(6.0)	0.21 J	5.3	0.51 J	ND(1.0)	ND(5.0)	21 J	
MW-184(300)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.3	ND(1.0)	0.23 J	ND(5.0)	ND(50)	
	09/17/2020	0.83 J	ND(1.0)	ND(1.0)	ND(6.0)	0.83 J	12	1.2	3.3	ND(5.0)	95	
SVE-2 [R]	01/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2017	2	8	ND(1)	5	15	56	2	3	4	6 J	
	12/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2018	0.4 J	0.4 J	0.2 J	ND(5)	1.0 J	61	0.8 J	2	4	18 J	
	12/27/2018	0.4 J	0.9 J	ND(1)	12	13 J	13	ND(1)	ND(1)	0.5 J	ND(25)	
	02/01/2019	ND(1)	3	7	120	130	25	0.6 J	0.3 J	4	ND(25)	
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	
	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	
	11/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1B

Summary of Groundwater Analytical Results - 2020 Converted RWs
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 10, 2017 through November 3, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
SVE-2 [R]	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.71 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.20 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer
BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-9	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	10/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/28/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/07/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	05/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-24	03/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/19/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(20)	
	02/27/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/05/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/28/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/07/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-24	03/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/15/2020	ND(1.0) F1	ND(1.0) F1	ND(1.0) F1	ND(6.0) F1	BRL F1	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-77A	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	2	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/25/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/24/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	10/09/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	11/07/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/24/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	05/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/16/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	01/14/2020	ND(10)	ND(10)	ND(10)	ND(30)	BRL	ND(10)	ND(10)	ND(10)	ND(10)	ND(250)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.20 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.22 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-77B	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	8	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	02/28/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/25/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/16/2018	0.5 J	ND(1)	ND(1)	ND(5)	0.5 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/24/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	05/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/16/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-80B	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/19/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	05/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/10/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	08/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/11/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/03/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	
	01/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-80B	02/25/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	06/18/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	
	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-84	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(20)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	7 J	
	03/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/23/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/27/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/17/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/12/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	06/17/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/27/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-91C [R]	01/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/10/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/08/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	10/12/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	11/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	120	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	0.5 J	ND(1)	45	
	02/21/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	16	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	0.6 J	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/23/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	06/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/13/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	13	1	5	ND(1)	76	
	08/09/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	10	1	5	0.5 J	160	
	08/14/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	5	1	5	ND(1)	85	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	17	0.5 J	4	0.5 J	ND(25)	
	10/09/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	6	2	6	ND(1)	43	
	11/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	16	2	9	0.8 J	36	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	ND(1)	0.8 J	ND(1)	ND(25)	
	01/08/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	10	1	4	0.4 J	ND(25)	
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	16	2	6	0.8 J	44	
	03/13/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	16	2	7	0.7 J	48	
	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	7	1	5	ND(1)	ND(25)	
	07/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/26/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	16	0.9 J	2	0.3 J	ND(25)	
	08/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	4	0.2 J	0.6 J	ND(1)	ND(25)	

TABLE 1C

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-91C [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	0.4 J	ND(1)	ND(25)	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.33 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-106	03/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	12/19/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	4 J	
	08/06/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	08/30/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/18/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/04/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	25 J	
	11/28/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/10/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	05/17/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.2	ND(1.0)	0.45 J	ND(5.0)	ND(50)	
	09/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	0.34 J	ND(5.0)	ND(50)	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	

TABLE 1C

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-137	03/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(20)	
	12/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	03/01/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(20)	
	10/23/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/15/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/24/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/04/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	05/17/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-168	09/19/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	09/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(20)	
	09/21/2017	ND(1)	ND(1)	ND(1)	0.7 J	0.7 J	9	ND(1)	ND(1)	ND(1)	ND(20)	
	09/22/2017	0.6 J	ND(1)	ND(1)	0.8 J	1.4 J	10	ND(1)	ND(1)	ND(1)	ND(20)	
	09/25/2017	ND(1)	ND(1)	ND(1)	0.8 J	0.8 J	10	ND(1)	ND(1)	ND(1)	ND(5)	
	09/26/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	12	ND(1)	ND(1)	0.5 J	ND(5)	
	10/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(20)	
	10/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	ND(1)	ND(20)	
	10/18/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(20)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-168	10/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	12/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	05/03/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/10/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	17	
	08/14/2018	0.3 J	ND(1)	ND(1)	ND(5)	0.3 J	1	ND(1)	ND(1)	ND(1)	ND(25)	
	09/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	
	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
MW-168(67)	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
MW-168(75)	01/06/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	3 J	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	8	
	01/29/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(20)	
	02/26/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	5	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	8	ND(1)	ND(1)	ND(1)	ND(5)	
	11/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	0.2 J	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	0.2 J	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.2 J	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-168(87)	01/06/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	01/29/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(20)	
	02/26/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	8	ND(1)	ND(1)	ND(1)	ND(5)	
	10/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	0.3 J	ND(1)	ND(25)	
	11/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.3 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	0.2 J	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
MW-168(115)	01/06/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	01/29/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(20)	
	02/26/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	7	ND(1)	ND(1)	0.7 J	ND(5)	
	10/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.3 J	ND(1)	ND(25)	
	11/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.2 J	ND(1)	0.2 J	ND(1)	ND(25)	

TABLE 1C

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-168(115)	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.2 J	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	0.2 J	ND(1)	ND(25)	
MW-168(148)	01/06/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	10	
	01/29/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(20)	
	02/26/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	8	ND(1)	ND(1)	ND(1)	ND(5)	
	10/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	0.2 J	0.3 J	ND(1)	ND(25)	
	11/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	0.2 J	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	0.2 J	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
MW-168(157.5)	04/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/05/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/26/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1C

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Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-168(235)	01/06/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	02/22/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	03/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	04/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	01/29/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(20)	
	02/26/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(5)	
	10/19/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.5 J	ND(1)	0.3 J	ND(1)	ND(25)	
	11/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	
	12/20/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.4 J	ND(1)	0.2 J	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.6 J	ND(1)	0.2 J	ND(1)	ND(25)	
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	
	09/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1C

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Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-168(235)	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-180A	01/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	03/09/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	12	
	04/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	06/29/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	07/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	09/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	11/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	12/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	01/16/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	02/08/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	
	03/13/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	ND(1)	ND(5)	
	04/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	06/13/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	07/12/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/16/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	09/17/2018	0.4 J	ND(1)	ND(1)	ND(5)	0.4 J	2	ND(1)	ND(1)	ND(1)	ND(25)	
	10/05/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	
	11/29/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	12/26/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/31/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-180A	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	05/20/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(25)	
	07/29/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	01/13/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-181A [R]	01/31/2017	12	ND(1)	ND(1)	49	61	340	1	3	ND(1)	9	
	02/28/2017	5	ND(1)	ND(1)	13	18	350	0.9 J	2	27	9	
	03/28/2017	3	ND(1)	ND(1)	17	20	170	ND(1)	1	11	6	
	04/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	05/18/2017	5	ND(1)	ND(1)	12	17	200	0.5 J	1	15	5	
	06/30/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	08/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/25/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/11/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	11/15/2017	2	ND(1)	ND(1)	ND(1)	2	47	ND(1)	ND(1)	2	8	
	12/15/2017	ND(1)	ND(1)	ND(1)	8	8	140	ND(1)	0.9 J	9	9 J	
	01/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	140	ND(1)	1	10	12	
	02/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(20)	
	03/09/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	74	ND(1)	0.7 J	4	5	
	04/05/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	64	ND(1)	0.6 J	3	3 J	
	05/23/2018	1	ND(1)	ND(1)	ND(1)	1	63	ND(1)	0.8 J	4	4 J	
	06/07/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	48	ND(1)	ND(1)	2	ND(5)	
	07/11/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	60	ND(1)	0.6 J	3	ND(5)	
	08/23/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	30	ND(1)	0.4 J	0.7 J	90	
	09/13/2018	ND(1)	ND(1)	ND(1)	3 J	3 J	120	0.4 J	0.9 J	9	11 J	
	10/09/2018	0.3 J	ND(1)	ND(1)	2 J	2 J	190	0.9 J	2	17	ND(25)	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-181A [R]	11/13/2018	ND(1)	ND(1)	ND(1)	ND(5)	BRL	120	0.7 J	1	8	13 J	
	12/20/2018	3	0.5 J	ND(1)	12	16 J	250	1	2	19	12 J	
	01/16/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	230	1 J	2	16	ND(25)	
	02/11/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	52	0.5 J	1	2	14 J	
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	36	0.4 J	1 J	1 J	ND(25)	
	05/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	25	0.3 J	0.7 J	1	ND(25)	
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	19	0.3 J	0.9 J	0.5 J	ND(25)	
	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.5 J	1	ND(1)	ND(25)	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	
	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.92 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.23 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	
MW-187A [R]	01/31/2017	650	3600	330	1700	6280	800	12	20	300	78	
	02/10/2017	630	4200	300	1600	6730	1000	11	22	300	74	
	03/24/2017	3	19	ND(1)	36	58	150	1	2	35	29	
	04/07/2017	220	1100	32	800	2152	900	8	16	210	64	
	05/31/2017	290	2000	41	970	3301	830	5 J	11	140	63	
	06/29/2017	71	370	25	280	746	410	3	6	70	100	
	07/19/2017	65	150	3 J	85	303 J	1000	9	15	200	170	
	08/09/2017	380	2500	170	1200	4250	800	7 J	12	160	38 J	
	09/21/2017	260	1500	43	870	2673	580	5	8	100	33 J	
	10/25/2017	310	2800	160	1300	4570	670	6 J	10	140	54	
	11/10/2017	320	2900	140	1300	4660	610	6 J	10	120	47 J	
	12/28/2017	270	2200	130	1200	3800	600	5	9	120	57	
	01/11/2018	ND(10)	10 J	ND(10)	18	28 J	5 J	ND(10)	ND(10)	ND(10)	73	
	02/27/2018	170	1400	70	830	2470	590	ND(10)	10	110	53	
	03/13/2018	230	1900	78	1000	3208	590	6 J	8 J	110	58	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-187A [R]	04/06/2018	180	1800	56	950	2986	540	ND(10)	7 J	110	68	
	05/23/2018	1	22	0.7 J	33	57 J	12	ND(1)	ND(1)	7	16	
	06/14/2018	10	48	2	40	100	91	1	1	20	8	
	07/12/2018	5	8	ND(1)	15	28	110	1 J	2	23	13	
	08/23/2018	5	38	3	67	113	360	4	6	95	100	
	09/13/2018	19	64	6	69	158	420	5 J	8	110	150	
	10/16/2018	18	100	4	61	183	430	5	9	140	150	
	11/27/2018	210	1900	120	990	3220	320	3 J	5 J	60	ND(250)	
	12/31/2018	200	730	58	840	1828	280	2 J	4 J	74	ND(130)	
	01/18/2019	260	2100	190	1300	3850	250	ND(20)	ND(20)	ND(20)	ND(500)	
	02/06/2019	190	1500	120	910	2720	190	2 J	3 J	49	72 J	
	03/11/2019	180	1300	85	790	2355	200	ND(20)	ND(20)	49	ND(500)	
	04/11/2019	38	200	10	110	358	45	1	2	28	11 J	
	05/09/2019	150	1300	110	850	2410	210	3 J	3 J	55	ND(130)	
	07/10/2019	210	2000	230	1400	3840	190	2 J	3 J	46	ND(130)	
	09/13/2019	300	3000	330	1800	5430	170	ND(2)	3	ND(2)	ND(50)	
	10/01/2019	ND(1)	0.8 J	ND(1)	2 J	3 J	130	0.4 J	2	5	93	
	11/06/2019	330	3100	230	1900	5560	190	2 J	3 J	45	ND(130)	
	12/18/2019	310	3400	210	1800	5720	180	2 J	3 J	39	ND(250)	
	01/09/2020	0.3 J	2	ND(1)	20	22 J	43	0.8 J	0.9 J	13	13 J	
	06/16/2020	180	1800	ND(1.0)	1400	3380	ND(1.0)	1.2	1.8	22	34 J	
	07/16/2020	210	2000	180	1500	3890	88	1.1 J	1.7 J	20 J	ND(250)	
	07/30/2020	230	ND(2.0)	190	1500	1920	85	ND(2.0)	1.4 J	18	ND(100)	
	08/26/2020	210	1700	170	1400	3480	85	1.0 J	1.7 J	18	42 J	
	09/18/2020	180	1900	170	1400	3650	70	ND(5.0)	ND(5.0)	ND(25)	ND(250)	
	10/20/2020	13	120	7.1	97	237	54	ND(5.0)	ND(5.0)	12 J	82 J	

TABLE 1C

Summary of Groundwater Analytical Results - 2020 Conversion Surrounding Wells
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 6, 2017 through October 22, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer
BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

Kleinfelder
1745 Dorsey Road Suite J, Hanover, MD

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-32	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	21	0.2 J	0.3 J	0.7 J	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.24 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-36	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.3	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-36C(32.5)	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-36P	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-36R	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.4	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-37 [R]	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	0.3 J	0.9 J	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-37P	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-38	10/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-38B	10/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-38C [R]	10/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	0.6 J	ND(1)	ND(25)	Q	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	0.6 J	ND(1)	ND(25)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-38C [R]	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	44	0.44 J	2.0	2.0 J	67	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	110	0.74 J	3.0	5.4	79	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	59	0.53 J	2.3	2.7 J	ND(50)	Q	Pump Depth: 150.0
MW-38P	10/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-43A	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NM	
MW-43B	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NM	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NM	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NM	
MW-45 [R]	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	2	6	6	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	130	1	4	3	ND(25)	Q	
	12/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	160	1	4	5	ND(25)	Q	
	01/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	160	1	4	5	ND(25)	Q	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	30	0.7 J	2	2	ND(25)	Q	
	04/15/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	17	0.6 J	2	1 J	ND(25)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.48 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	37	0.52 J	1.7	1.1 J	ND(50)	Q	Pump Depth: 68.0
MW-45P	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-45R [R]	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/12/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	28	0.6 J	2	2	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.5	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	86	1.0	3.2	2.5 J	ND(50)	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 80.62
MW-47BB	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.21 J	0.22 J	0.32 J	ND(5.0)	ND(50)	SA	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-47C	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-47C(212.5)	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.2 J	ND(1)	ND(25)	SA	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.2 J	ND(1)	ND(25)	SA	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.9	0.22 J	0.35 J	ND(5.0)	ND(50)	SA	
MW-47C(HS-S)	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	SA	HS Depth: 212.5
MW-48D(229)	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-54	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	0.3 J	0.8 J	ND(25)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-54B [R]	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.4 J	2	ND(1)	ND(25)	Q	
	11/05/2019	ND(5)	ND(5)	ND(5)	ND(15)	BRL	8	ND(5)	3 J	ND(5)	ND(130)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.4 J	2	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.43 J	ND(1.0)	0.37 J	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.6	1.8	5.3	ND(5.0)	ND(50)	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.2	ND(1.0)	0.97 J	ND(5.0)	ND(50)	Q	Pump Depth: 105.00
MW-54C(212.5)	11/25/2019	ND(1)	0.3 J	ND(1)	ND(3)	0.3 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/09/2020	23	2.4	3.9	3.0 J	32 J	5.3	32	130	ND(5.0)	7800	SA	
MW-57	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/28/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-57P	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/28/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-58	10/17/2019	ND(1)	ND(1)	ND(1)	19	19	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/28/2019	ND(1)	ND(1)	ND(1)	35	35	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/03/2020	ND(1)	ND(1)	ND(1)	16	16	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.26 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-58R	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/28/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-58P	01/13/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NM	
MW-59A	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-59B [R]	10/09/2019	ND(1)	ND(1)	ND(1)	3 J	3 J	26	ND(1)	0.5 J	ND(1)	ND(25)	Q	
	11/05/2019	0.3 J	ND(1)	ND(1)	7	7 J	13	ND(1)	0.2 J	0.9 J	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	2 J	2 J	12	ND(1)	ND(1)	0.8 J	ND(25)	Q	
	01/03/2020	ND(1)	ND(1)	ND(1)	2 J	2 J	10	ND(1)	ND(1)	0.6 J	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-59D	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-73C(HS-D)	12/20/2019	3	ND(1)	0.4 J	ND(3)	3 J	270	5	16	16	780	Q	HS Depth: 300.0
MW-73C [R]	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	7	3	11	ND(1)	ND(25)	Q	
	12/20/2019	3	ND(1)	0.3 J	ND(3)	3 J	260	5	16	15	740	Q	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	110	3	12	7	600	Q	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	52	3.2	12	1.6 J	ND(50)	Q	
	06/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	28	3.1	12	ND(5.0)	ND(50)	Q	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.80 J	2.2	7.9	ND(5.0)	ND(50)	Q	
MW-73C [R]	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	0.60 J	ND(5.0)	13 J	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	0.39 J	ND(5.0)	ND(50)	Q	Pump Depth: 200.0

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-74	10/23/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	9	ND(1)	0.2 J	1	ND(25)	Q	
	11/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-75 [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.27 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.36 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-76	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.20 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.25 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-77A	10/16/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/14/2020	ND(10)	ND(10)	ND(10)	ND(30)	BRL	ND(10)	ND(10)	ND(10)	ND(10)	ND(250)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.20 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.22 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-77B	10/16/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-77R	10/16/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-78A	04/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-78A	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-78C	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-78C(180)	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-80A	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-80B	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-82	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-82R [R]	10/14/2019	0.6 J	ND(1)	ND(1)	ND(3)	0.6 J	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/14/2020	0.9 J	ND(1)	ND(1)	ND(3)	0.9 J	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-82B [R]	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	01/14/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	14	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-82D [R]	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	ND(1)	0.3 J	ND(1)	ND(25)	Q	
MW-82D [R]	01/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	17	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 150.0
MW-84	11/27/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-84P	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-85	11/27/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-86	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-87	11/27/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-88	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-89 [R]	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/14/2020	ND(10)	ND(10)	ND(10)	ND(30)	BRL	6 J	ND(10)	ND(10)	ND(10)	ND(250)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-90	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-91	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/08/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-91C [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.33 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Kleinfelder
1745 Dorsey Road Suite J, Hanover, MD

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-91D	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-99A	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-101A	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NM	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NM	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NM	
MW-106	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.2	ND(1.0)	0.45 J	ND(5.0)	ND(50)	NM	
	09/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	0.34 J	ND(5.0)	ND(50)	NM	
MW-106	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NM	
MW-110	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/19/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-121 [R]	10/17/2019	0.4 J	ND(1)	ND(1)	ND(3)	0.4 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/09/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	0.31 J	ND(1.0)	ND(6.0)	0.31 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-137	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-138	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	01/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	09/10/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-138D [R]	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	390	1	4	26	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	340	1	4	19	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	340	1	4	20	ND(25)	Q	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	310	1	4	18	ND(25)	Q	
	01/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	290	1	4	15	ND(25)	Q	
	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	250	1	4	13	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	240	1	4	9	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	5	ND(25)	Q	
	04/15/2020	0.7 J	ND(1)	ND(1)	ND(3)	0.7 J	3	0.4 J	1	0.4 J	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	1	3	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	4	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	190	1	3	4	ND(25)	Q	
MW-138D [R]	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	170	1	3	3	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	150	1	3	2	ND(25)	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	120	1.2	3.5	1.5 J	ND(50)	Q	
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	41	0.73 J	2.6	ND(5.0)	ND(50)	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	76	0.79 J	2.5	ND(5.0)	ND(50)	Q	Pump Depth: 170.0
MW-167	10/21/2019	ND(1)	ND(1)	ND(1)	ND(5)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-168(157.5)	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-168	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-168(235)	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-169 [R]	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-170 [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-170 [R]	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-171	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-171C	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	HS Depth: 207.50

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-171C(207.5)	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	01/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.2	ND(1.0)	0.40 J	ND(5.0)	ND(50)	Q	
MW-176(125-135)49V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	0.36 J	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	7.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176(150-160)48V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.1	ND(1.0)	0.28 J	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176(164-174)51V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.6	ND(1.0)	0.24 J	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	9.5	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176(182-192)47V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.3	ND(1.0)	0.23 J	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176(209-219)52V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.2	ND(1.0)	0.21 J	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176(233-243)62V1	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.4	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.3	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-176 [R]	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.6 J	ND(1)	ND(25)	Q	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
MW-176 [R]	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	0.4 J	1	ND(1)	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	0.3 J	1 J	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	10	ND(1)	0.6 J	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	15	ND(1.0)	0.57 J	ND(5.0)	ND(50)	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	6.2	ND(1.0)	0.37 J	ND(5.0)	ND(50)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-176CC(HS)	03/03/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.31 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	HS Depth: 275.0
MW-177	01/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	Q	
MW-177(187.75)	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-178B	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	20	ND(1)	0.2 J	0.7 J	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	22	ND(1)	0.3 J	0.7 J	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	22	ND(1)	0.3 J	0.9 J	ND(25)	Q	
	01/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	20	ND(1)	0.3 J	0.7 J	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	15	ND(1)	0.2 J	0.5 J	ND(25)	Q	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	14	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-178C [R]	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	2	9	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	90	2	9	4	320	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	110	2	7	5	86	Q	
MW-178C [R]	01/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	130	2	8	7	490	Q	
	04/15/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	120	4	14	7	560	Q	
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	20	0.29 J	1.1	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	56	2.3	9.6	3.1 J	460	Q	Pump Depth: 200.0
MW-179A	01/13/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-179C	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-179C(250)	01/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.3 J	ND(1)	ND(25)	SA	
	08/12/2020	ND(1.0) F1	ND(1.0) F1	ND(1.0) F1	ND(6.0) F1	BRL F1	5.5	ND(1.0)	1.1	ND(5.0)	ND(50)	SA	
MW-180A	01/13/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-180C(212.5)	01/13/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-181A [R]	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.5 J	1	ND(1)	ND(25)	Q	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.92 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.23 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 55.00
MW-181B	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.6	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.6	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-181C(212.5)	03/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	11	ND(1)	0.3 J	0.3 J	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	15	ND(1.0)	0.33 J	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0) F1	ND(1.0)	ND(1.0)	ND(6.0)	BRL F1	15	ND(1.0)	0.33 J	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	11	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-181C(291)	10/17/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	15	ND(1)	0.3 J	ND(1)	ND(25)	Q	
MW-182(200)	01/06/2020	0.4 J	ND(1)	ND(1)	ND(3)	0.4 J	98	0.7 J	2	5	20 J	Q	
	04/16/2020	0.3 J	ND(1)	ND(1)	ND(3)	0.3 J	86	0.6 J	2	4	37	Q	
	06/22/2020	0.26 J	ND(1.0)	ND(1.0)	ND(6.0)	0.26 J	65	ND(1.0)	1.8	3.1 J	67	Q	
MW-182(200)	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.6	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-182(300)	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-183 [R]	10/14/2019	0.9 J	2	0.8 J	ND(3)	4 J	2	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.6 J	2	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	0.4 J	2	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	0.4 J	1	ND(1)	ND(25)	Q	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.6 J	2	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	66	2	8	2	290	Q	
	06/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.87 J	ND(1.0)	0.24 J	ND(5.0)	ND(50)	Q	
	08/12/2020	2.5	ND(1.0)	ND(1.0)	ND(6.0)	2.5	61	3.8	16	5.8	1000	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	49	1.7	8.0	4.5 J	620	Q	Pump Depth: 200.0
MW-184 [R]	10/14/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.3 J	1	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	0.5 J	1	ND(1)	ND(25)	Q	
	02/18/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	0.5 J	2	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	24	0.3 J	1	0.4 J	ND(25)	Q	
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.78 J	ND(1.0)	0.29 J	ND(5.0)	ND(50)	Q	
MW-184(116-117)	08/27/2020	0.34 J	ND(1.0)	ND(1.0)	ND(6.0)	0.34 J	13	0.57 J	1.4	ND(5.0)	21 J	Q	
	09/17/2020	0.48 J	ND(1.0)	ND(1.0)	ND(6.0)	0.48 J	7.2	0.79 J	2.0	ND(5.0)	56	Q	
MW-184(143-147)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.8	0.40 J	0.91 J	ND(5.0)	19 J	Q	
	09/17/2020	0.50 J	ND(1.0)	ND(1.0)	ND(6.0)	0.50 J	7.5	0.86 J	2.1	ND(5.0)	57	Q	
MW-184(187)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.9	0.22 J	0.51 J	ND(5.0)	ND(50)	Q	
	09/17/2020	0.49 J	ND(1.0)	ND(1.0)	ND(6.0)	0.49 J	11	0.95 J	2.3	ND(5.0)	51	Q	
MW-184(240)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/17/2020	0.53 J	ND(1.0)	ND(1.0)	ND(6.0)	0.53 J	11	0.92 J	2.3	ND(5.0)	40 J	Q	
MW-184(275)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.2	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/17/2020	0.21 J	ND(1.0)	ND(1.0)	ND(6.0)	0.21 J	5.3	0.51 J	ND(1.0)	ND(5.0)	21 J	Q	
MW-184(300)	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.3	ND(1.0)	0.23 J	ND(5.0)	ND(50)	Q	
	09/17/2020	0.83 J	ND(1.0)	ND(1.0)	ND(6.0)	0.83 J	12	1.2	3.3	ND(5.0)	95	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-185 [R]	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-185 [R]	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	01/08/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	0.4 J	ND(1)	ND(25)	Q	
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/02/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-188D(141.5)	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(201)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(212.5)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(221)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(228.5)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(239)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(279.5)	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	

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Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-188D(280.5)	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.40 J	0.69 J	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.38 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.25 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-188D(306.5)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(344)	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(387)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-188D(396)	12/13/2019	0.2 J	ND(1)	ND(1)	ND(3)	0.2 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/21/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
MW-189D(79)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.4 J	0.9 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	0.6 J	1	ND(1)	ND(25)	Q	
	06/25/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	13	0.43 J	0.97 J	ND(5.0)	ND(50)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.95 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(91.5)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.4 J	0.9 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.6 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(117-119)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	0.7 J	1	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.6 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.35 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(122)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	0.5 J	1	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	8	0.5 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.35 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(138-140)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.5 J	1 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	11	0.7 J	2	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.0	ND(1.0)	0.22 J	ND(5.0)	ND(50)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-189D(161)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.4 J	0.8 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.6 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	3.9	ND(1.0)	0.28 J	ND(5.0)	ND(50)	Q	
MW-189D(216)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.4 J	0.8 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	11	0.6 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	5.2	ND(1.0)	0.41 J	ND(5.0)	ND(50)	Q	
MW-189D(256-258)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.5 J	1	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	0.3 J	0.7 J	ND(1)	ND(25)	Q	
MW-189D(256-258)	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.4	ND(1.0)	0.34 J	ND(5.0)	ND(50)	Q	
MW-189D(278)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	4.4	ND(1.0)	0.38 J	ND(5.0)	ND(50)	Q	
MW-189D(315)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	0.5 J	1	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	7	0.5 J	1	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.6	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(357)	10/08/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	0.3 J	0.3 J	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	0.4 J	0.8 J	ND(1)	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	0.4 J	0.9 J	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.0	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-189D(374)	10/08/2019	0.3 J	ND(1)	ND(1)	ND(3)	0.3 J	8	ND(1)	0.4 J	1	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	11	0.3 J	0.9 J	0.8 J	ND(25)	Q	
	04/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	17	0.5 J	1	1	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Table 2A East

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 8, 2019 through November 30, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
STREAM02	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/24/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer
BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

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Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-1	10/22/2019	0.2 J	82	23	130	235 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	0.5 J	72	6	120	199 J	2	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-1A	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/29/2020	0.54 J	350	130	600	1081 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-2	10/22/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-2A [R]	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-3 [R]	12/12/2019	11	3	11	12	37	63	0.5 J	0.8 J	6	40	Q	
	12/13/2019	34	44	54	73	205	180	2	3	14	100	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.83 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/11/2020	0.38 J	0.25 J	ND(1.0)	ND(6.0)	0.63 J	1.2	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 44.58
MW-4 [R]	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	07/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Kleinfelder
1745 Dorsey Road Suite J, Hanover, MD

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-4 [R]	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-4A	10/22/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-5	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-6	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	12	ND(1)	ND(1)	0.4 J	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	9.8	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/05/2020	0.58 J	ND(1.0)	ND(1.0)	ND(6.0)	0.58 J	1.6	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-7 [R]	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.4 J	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-9	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-13 [R]	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/02/2020	0.3 J	1	ND(1)	1 J	2 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.53 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.22 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-14	10/10/2019	ND(1)	5	1	62	68	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	Q	

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-16 [R]	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.60 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 33.00
MW-16R [R]	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	0.6 J	1	0.4 J	ND(25)	Q	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	38	0.71 J	1.1	1.6 J	ND(50)	Q	
	08/11/2020	1.4	ND(1.0)	0.46 J	ND(6.0)	1.9 J	73	1.2	2.1	5.5	82	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 55.00
MW-17	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/22/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/29/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-19 [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	9	ND(1)	ND(1)	0.5 J	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Kleinfelder
1745 Dorsey Road Suite J, Hanover, MD

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-21 [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-21 [R]	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-22 [R]	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/14/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-23 [R]	10/23/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-24	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-25	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.4 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.2 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-27 [R]	10/10/2019	0.5 J	54	53	140	248 J	13	ND(1)	ND(1)	1	ND(25)	Q	
	03/02/2020	ND(5)	28	36	130	194	10	ND(5)	ND(5)	ND(5)	ND(130)	Q	
	06/22/2020	ND(1.0)	27	25	84	136	0.58 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	08/11/2020	ND(1.0)	22	27	88	137	0.28 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/05/2020	ND(5.0)	ND(5.0)	ND(5.0)	ND(30)	BRL	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(250)	Q	Pump Depth: 39.83
MW-27B	10/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	13	ND(1)	0.3 J	0.8 J	ND(25)	NS	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	13	ND(1)	0.3 J	0.8 J	ND(25)	NS	
	03/31/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.3 J	ND(25)	NS	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	6	ND(1)	0.2 J	0.4 J	ND(25)	NS	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NS	
	11/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NS	

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-27R [R]	10/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.3 J	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2	ND(1)	ND(1)	ND(1)	63	Q	
	03/02/2020	51	140	51	250	492	480	3	7	42	610	Q	
	06/22/2020	ND(1.0)	27	25	84	136	0.58 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	06/23/2020	18	44 F1	19	45	126 F1	330	2.6	4.9	28	280	Q	
	07/24/2020	14	3.9	2.7	140	161	570	5.4	9.7	59	500	Q	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.81 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/08/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	14	ND(1.0)	ND(1.0)	1.0 J	51	Q	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-29	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-30	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-40	10/09/2019	2	1	5	4	12	22	ND(1)	0.3 J	0.6 J	ND(25)	Q	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	5	ND(1)	ND(1)	0.4 J	ND(25)	Q	
	12/12/2019	3	5	14	13	35	18	ND(1)	0.5 J	ND(1)	ND(25)	Q	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	2.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-46	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
MW-49	11/07/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
MW-52	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	10/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.34 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	NS	
MW-56C(100-110)	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-56C(310-315)	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-56C(320-325)	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/30/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-63	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	02/20/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
MW-72	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/20/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-105	12/20/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	07/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-109	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.8 J	ND(1)	0.2 J	ND(1)	ND(25)	NS	
	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
	02/05/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	NS	
MW-125	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-139	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	0.3 J	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	0.2 J	ND(1)	ND(25)	Q	
	09/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	7.2	ND(1.0)	0.21 J	ND(5.0)	ND(50)	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	37	ND(1.0)	0.62 J	ND(5.0)	ND(50)	Q	
MW-144	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-151 [R]	11/25/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	1	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/13/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(25)	Q	

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
MW-152 [R]	10/21/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.47 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-159	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	02/20/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	SA	
	10/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	SA	
MW-160	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/06/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	10/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
MW-187A [R]	10/01/2019	ND(1)	0.8 J	ND(1)	2 J	3 J	130	0.4 J	2	5	93	Q	
	11/06/2019	330	3100	230	1900	5560	190	2 J	3 J	45	ND(130)	Q	
	12/18/2019	310	3400	210	1800	5720	180	2 J	3 J	39	ND(250)	Q	
	01/09/2020	0.3 J	2	ND(1)	20	22 J	43	0.8 J	0.9 J	13	13 J	Q	
	06/16/2020	180	1800	ND(1.0)	1400	3380	ND(1.0)	1.2	1.8	22	34 J	Q	
	07/16/2020	210	2000	180	1500	3890	88	1.1 J	1.7 J	20 J	ND(250)	Q	
	07/30/2020	230	ND(2.0)	190	1500	1920	85	ND(2.0)	1.4 J	18	ND(100)	Q	
	08/26/2020	210	1700	170	1400	3480	85	1.0 J	1.7 J	18	42 J	Q	
	09/18/2020	180	1900	170	1400	3650	70	ND(5.0)	ND(5.0)	ND(25)	ND(250)	Q	
	10/20/2020	13	120	7.1	97	237	54	ND(5.0)	ND(5.0)	12 J	82 J	Q	Pump Depth: 55.00
MW-187B [R]	10/01/2019	ND(1)	0.8 J	ND(1)	1 J	2 J	64	ND(1)	0.8 J	4	110	Q	
	11/06/2019	2	23	2	13	40	90	0.4 J	2	4	100	Q	
	12/18/2019	ND(1)	1	ND(1)	ND(3)	1	29	ND(1)	0.8 J	1	43	Q	
	01/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	37	0.2 J	1 J	2	59	Q	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	17	ND(1.0)	0.52 J	0.84 J	15 J	Q	
	08/26/2020	ND(1.0)	0.29 J	ND(1.0)	ND(6.0)	0.29 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.71 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 92.00
MW-187C [R]	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	550	3	11	20	ND(25)	Q	
	11/06/2019	ND(5)	ND(5)	ND(5)	ND(15)	BRL	890	4 J	15	25	ND(130)	Q	
	01/09/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	280	4	14	2	ND(25)	Q	
	06/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	77	0.20 J	11	1.2 J	ND(50)	Q	
MW-187C [R]	08/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	26	2.4	9.6	ND(5.0)	ND(50)	Q	
	11/16/2020	24	150	13	100	287	21	ND(1.0)	0.43 J	3.2 J	13 J	Q	Pump Depth: 170.00

Kleinfelder
1745 Dorsey Road Suite J, Hanover, MD

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
PW-01	10/25/2019	86	54	0.2 J	ND(1.0)	140 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	9.8 J	Q	
	11/07/2019	2.6	5.3	ND(0.5)	ND(1.0)	7.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)	Q	
	03/10/2020	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	BRL	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)	Q	
	04/07/2020	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	BRL	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)	Q	
	12/17/2020	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)	BRL	0.13 J	ND(0.50)	0.56	ND(0.50)	ND(25)	Q	
SVE-1 [R]	10/11/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	0.4 J	0.7 J	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.9 J	1	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.7 J	1	ND(1)	ND(25)	Q	
	08/11/2020	1.4	0.47 J	ND(1.0)	ND(6.0)	1.9 J	140	1.4	2.2	8.6	54	Q	
	11/06/2020	6.1	7.8	5.6	16	36	170	1.2	ND(1.0)	13	56	Q	Pump Depth: 62.00
SVE-2 [R]	10/15/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	11/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.71 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	0.20 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
SVE-3 [R]	10/15/2019	11	20	ND(1)	220	251	140	2	3	33	37	Q	
	11/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	60	1	2	12	ND(25)	Q	
	12/06/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	3	0.6 J	1	ND(1)	ND(25)	Q	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.9 J	0.3 J	0.7 J	ND(1)	ND(25)	Q	
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	0.5 J	0.3 J	0.5 J	ND(1)	ND(25)	Q	
	08/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	1.1	0.37 J	0.65 J	ND(5.0)	ND(50)	Q	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	Pump Depth: 61.00

Table 2B West

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

October 1, 2019 through December 17, 2020

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency	Comments
STREAM01	10/09/2019	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	02/20/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	04/10/2020	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	Q	
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(6.0)	BRL	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	Q	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer
BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

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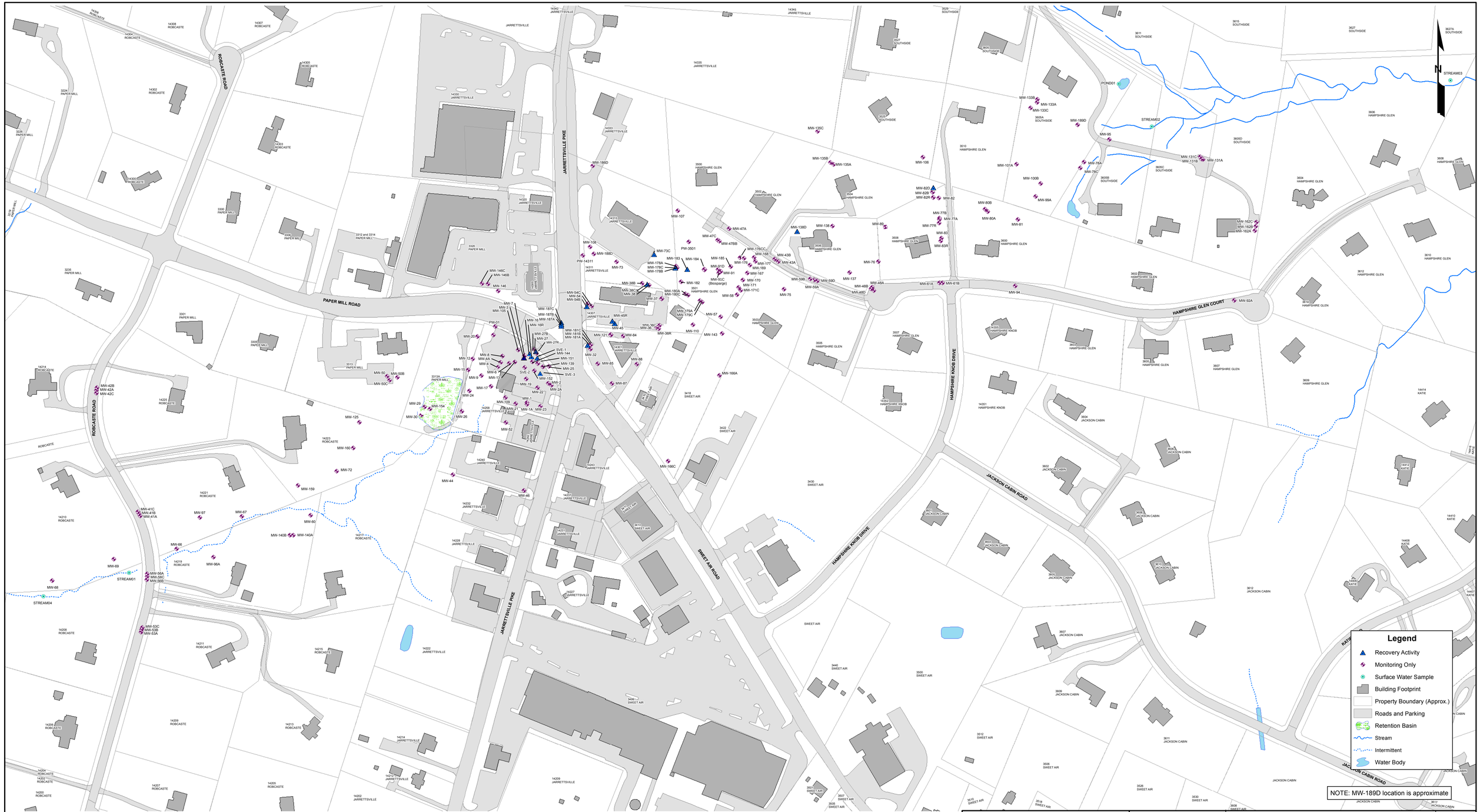
FIGURES



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KLEINFELDER
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PROJECT NO.	20193011
DRAWN:	3/26/2020
DRAWN BY:	R. Alvarez
CHECKED BY:	C. Low

2020 Site Plan - Monitoring Wells and Recovery Wells

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE
1

Legend

Proposed Sampling Frequency

- Monthly Wells - Shutdown Recovery Well
- Quarterly Wells
- Additional Quarterly Wells
- Semi-Annual Wells
- Gauging or Retained Wells
- Private Supply Well
- Sampled Potable Well
- ExxonMobil-Maintained and Sampled POET

*Off-map potable wells sampled at 3627A and 3635 Southside Avenue, and 14102 Robcaste Road.
*3627A Southside Avenue has an ExxonMobil maintained POET

0 70 140 280 420 560 Feet

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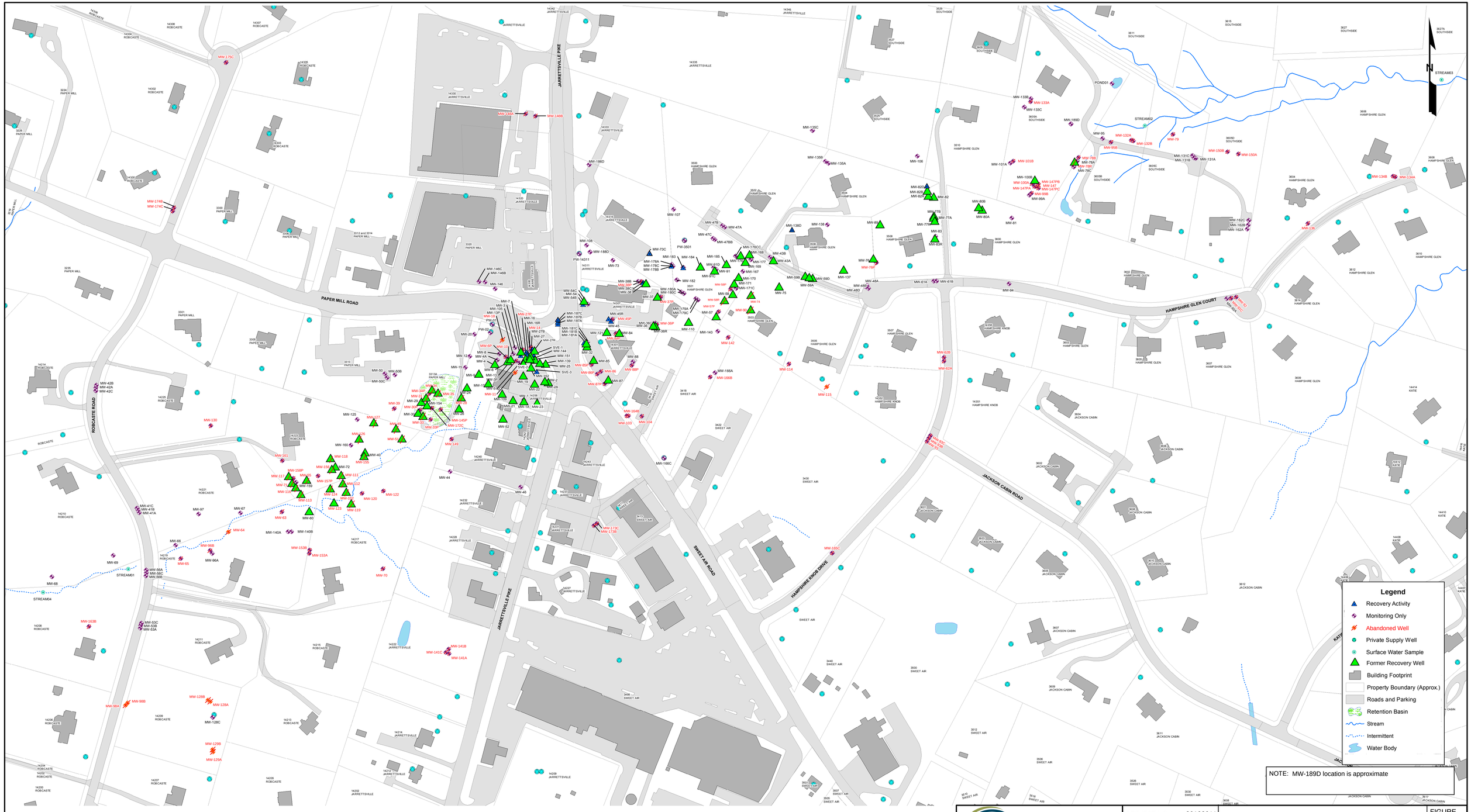
PROJECT NO.	20193011
DRAWN:	JANUARY 2021
DRAWN BY:	C. Low
CHECKED BY:	
FILE NAME:	

PROPOSED REBOUND TEST SAMPLING FREQUENCY

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE 2



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PROJECT NO.	20193011
DRAWN:	February 2021
DRAWN BY:	C. Low
CHECKED BY:	

HISTORIC EXTENT OF MONITORING AND RECOVERY WELL NETWORK

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE
3

APPENDIX A

Historical Figure

DRAFT

WORK IN PROGRESS

3508 HAMPSHIRE GLEN CT. PROPERTY

FORMER SERVICE STATION PROPERTY

3418 SWEET AIR PROPERTY

PAPER MILL ROAD

ROBCASTE ROAD

JARRETTSVILLE PIKE

SWEET AIR ROAD

HAMPSHIRE GLEN COURT

NE OUT FALL

SW OUT FALL

Legend

- Monitoring Only
- Dual Phase Extraction (DPE)
- Pneumatic Pump
- Soil Vapor Extraction (SVE)
- SVE/Pneumatic Pump
- SVE/Electric
- Vacuum Truck
- Abandoned Well
- Potable Well
- Surface Water Sample
- GW Discharge
- GW Recovery Piping
- GW/SVE Recovery Piping
- SVE Recovery Piping
- Tank Field
- Tank Field Piping
- Service Station Property Boundary
- Parcel Boundary (Approx.)
- Roads & Parking (1997)
- Building Footprint
- Stream
- Water Body

Remediation Systems

1. SVE & Flame Ox Vapor Treatment Unit (SVE from wells and UST field laterals)
2. SW Influent Tanks
3. SVE
4. DPE
5. Compressors for Pneumatic Pump
6. SVE, Flame Ox Vapor Treatment Unit
7. DPE
8. SVE
9. Groundwater Treatment: Carbon Adsorbers, & Bioreactor
10. Fractionating Tanks for Storage of Treated or Untreated Groundwater (Batch Tanks Temporary)
11. SW Manifold
12. SW Lift Station
13. Treatment Trailer #1
14. Treatment Trailer #2
15. Effluent Equalization Tanks
16. Discharge Trailer
17. HDD Conduit Containing
    - Communication Conduit
    - Influent Water Lines (NE)
    - Effluent Water Lines (NE)
    - Spare Lines
18. NE Influent Tanks
19. NE Lift Station
20. NE Manifold

Note: Pipe and Remediation System Locations and Scale are Approximate.

N

0 120 240 Feet

0 36 72 Meters

FIGURE 7
REMEDIATION LAYOUT
AS OF MARCH 31, 2007

EXXON RAS# 2-8077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND

DRAWN BY:	BNM	SCALE:	1:1,440
REVISED BY:	BNM	PROJECT NO:	77809
DATE:	04/10/07	SOURCE: CONTACT KLEINFELDER FOR METADATA	
CHECKED BY:			

KLEINFELDER

APPENDIX B

Trend Charts of COCs Concentrations for Recovery Wells

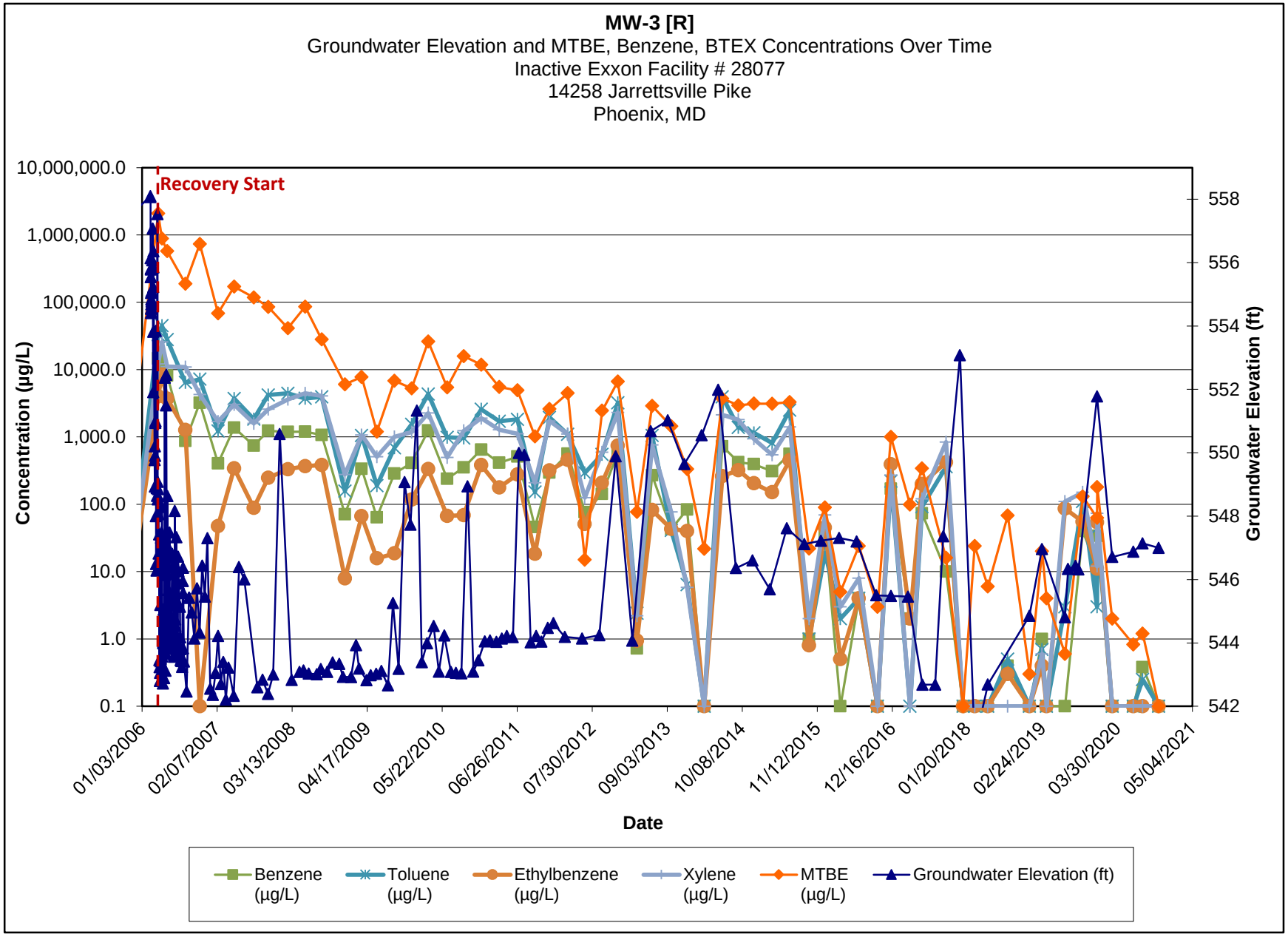
Remediation Wells

Quarterly Sampled Wells

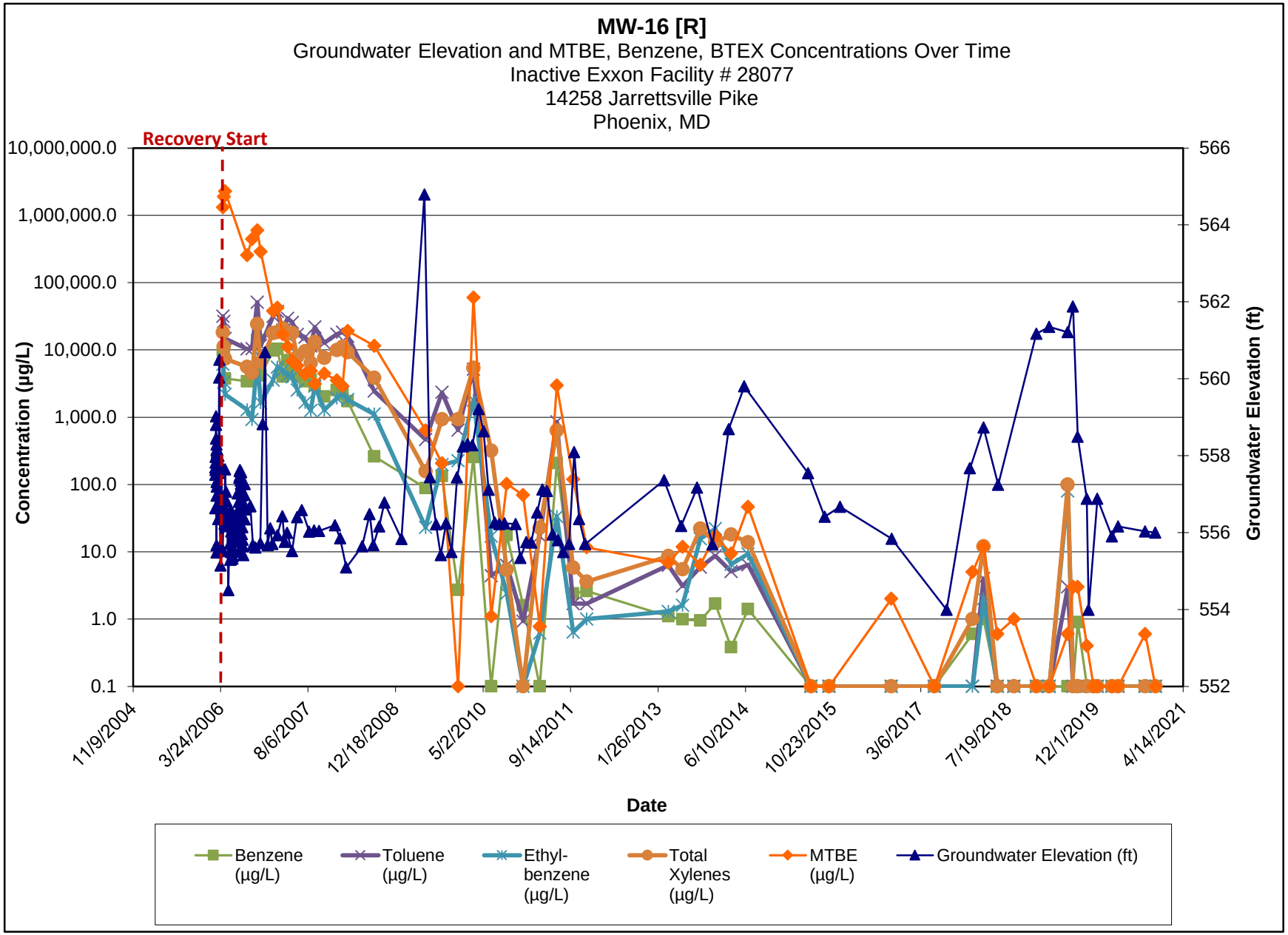
Semi-Annual Sampled Wells

List of Remediation Wells

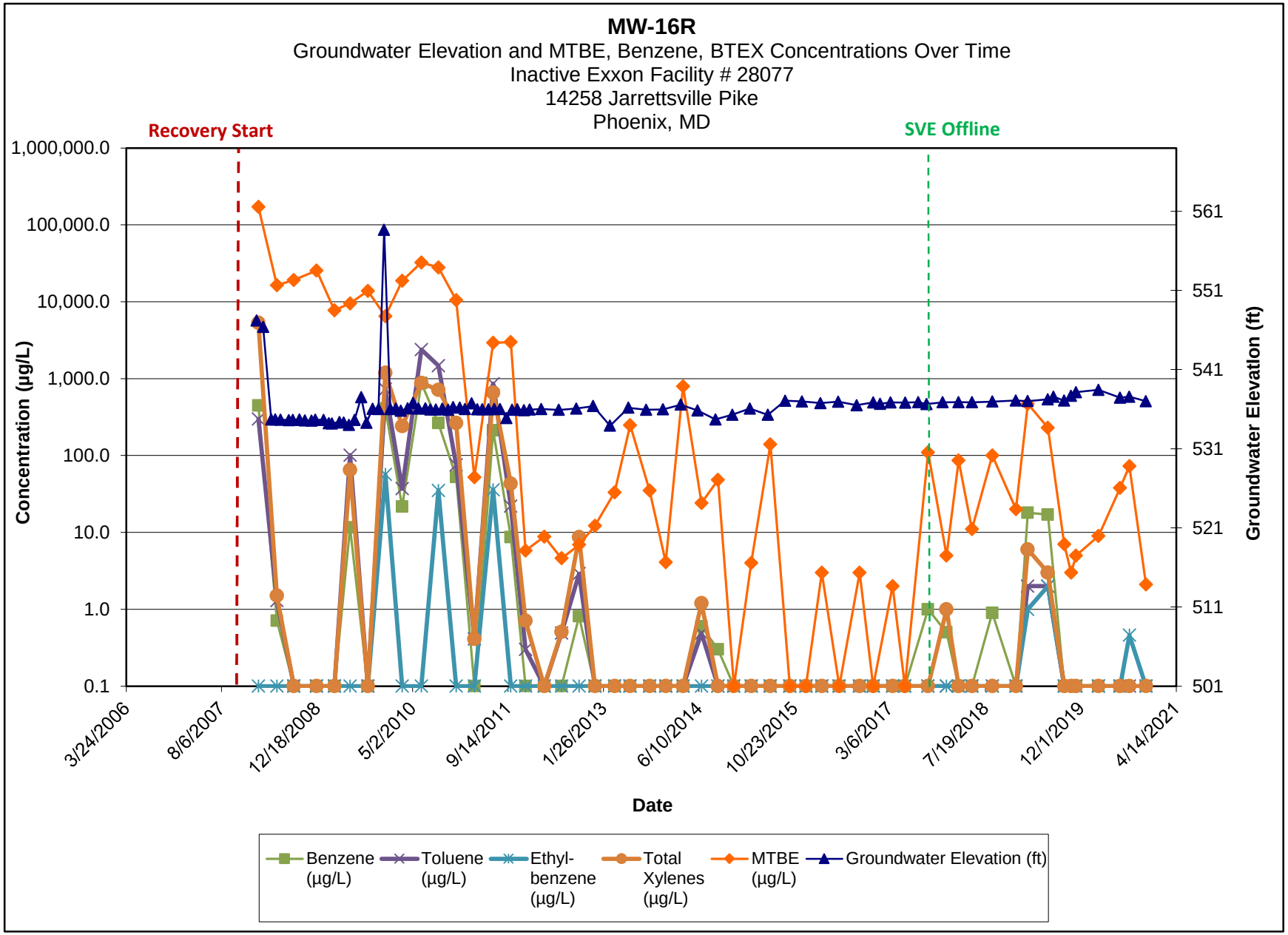
MW-3[R]
MW-16[R]
MW-16R
MW-27R
MW-38C[R]
MW-45[R]
MW-45R[R]
MW-54B[R]
MW-73C[R]
MW-82D[R]
MW-91C[R]
MW-138D[R]
MW-178C[R]
MW-181A[R]
MW-183[R]
MW-187A[R]
MW-187B[R]
MW-187C[R]
SVE-1[R]
SVE-3[R]



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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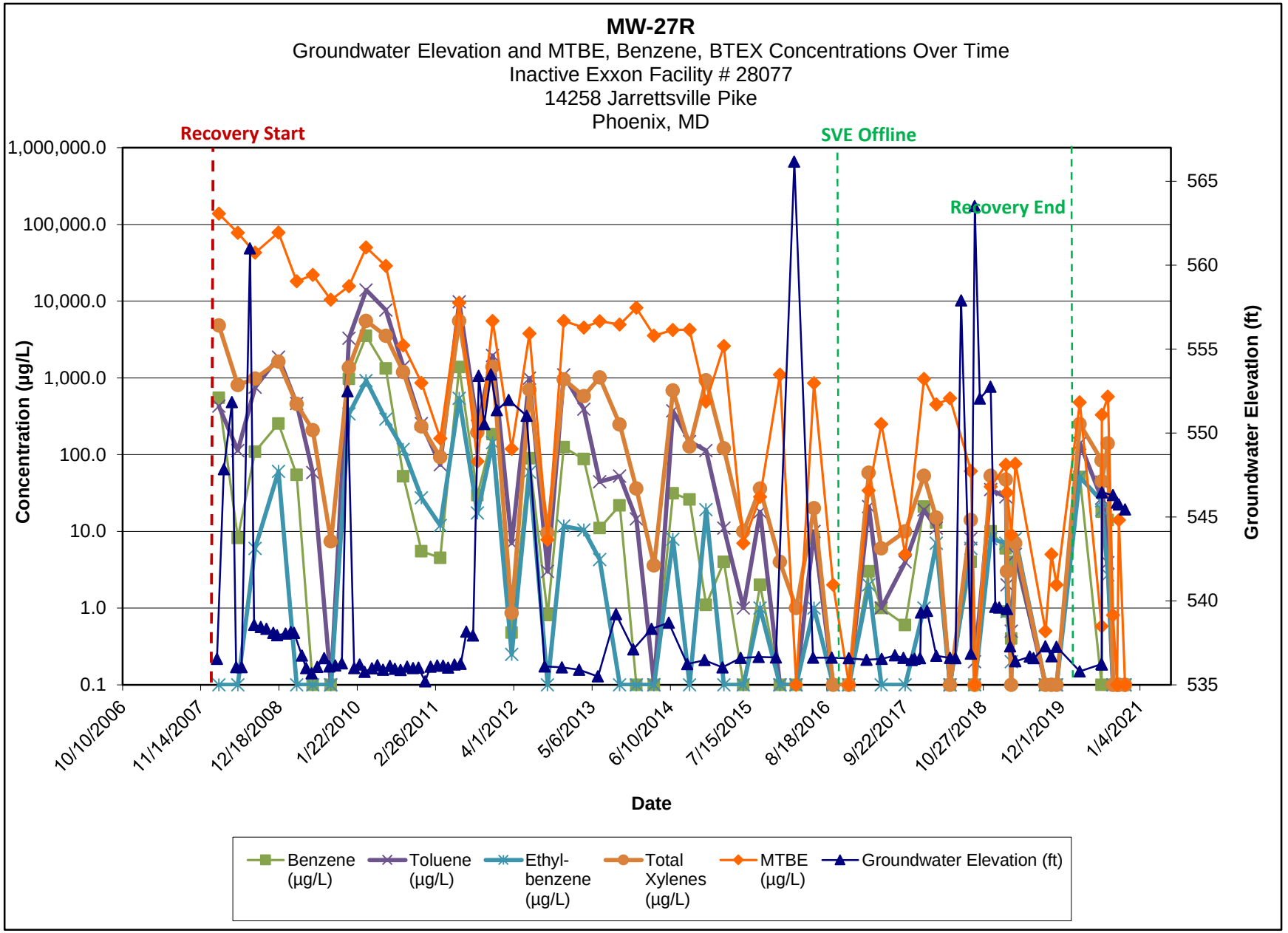
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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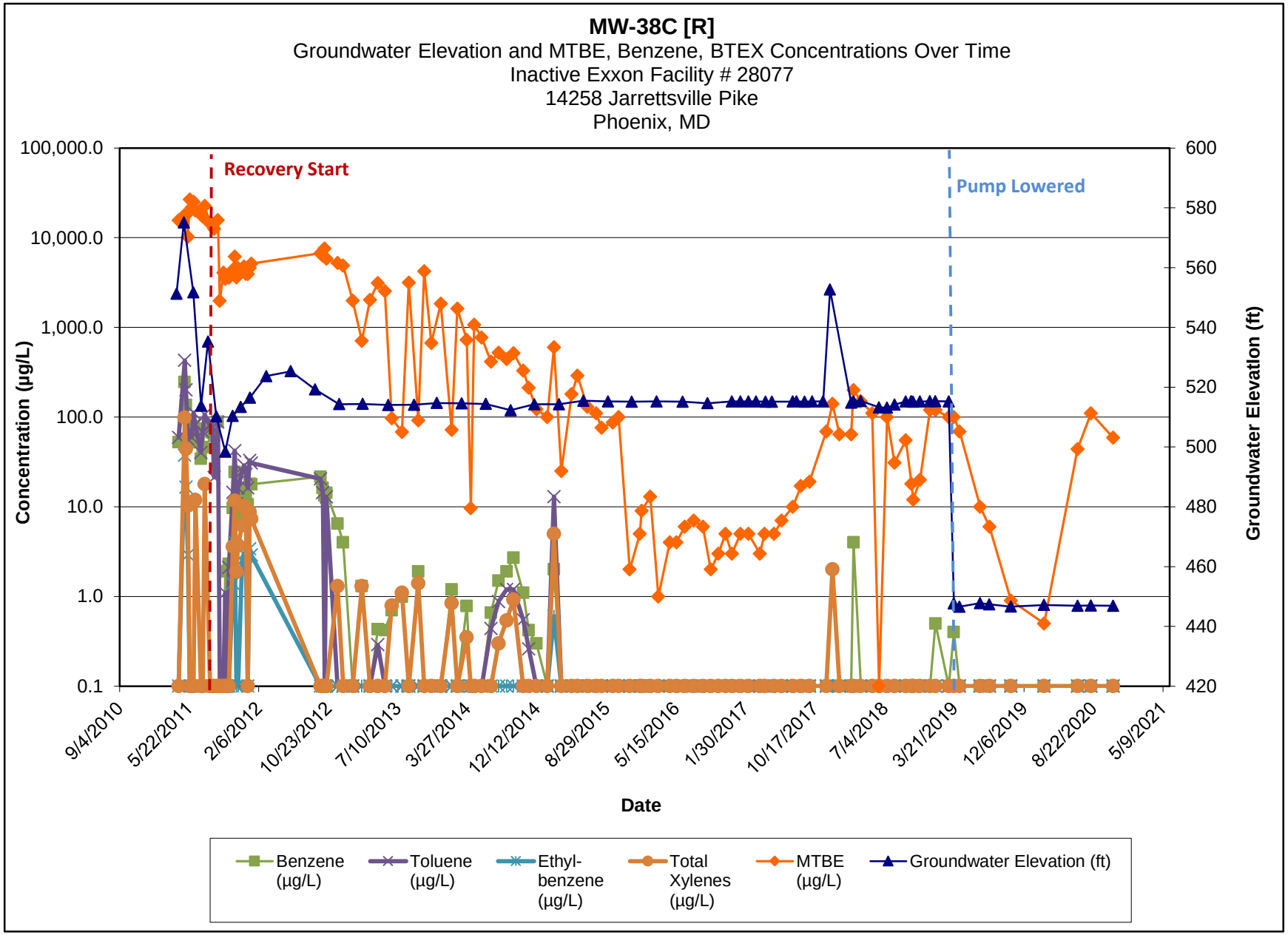

Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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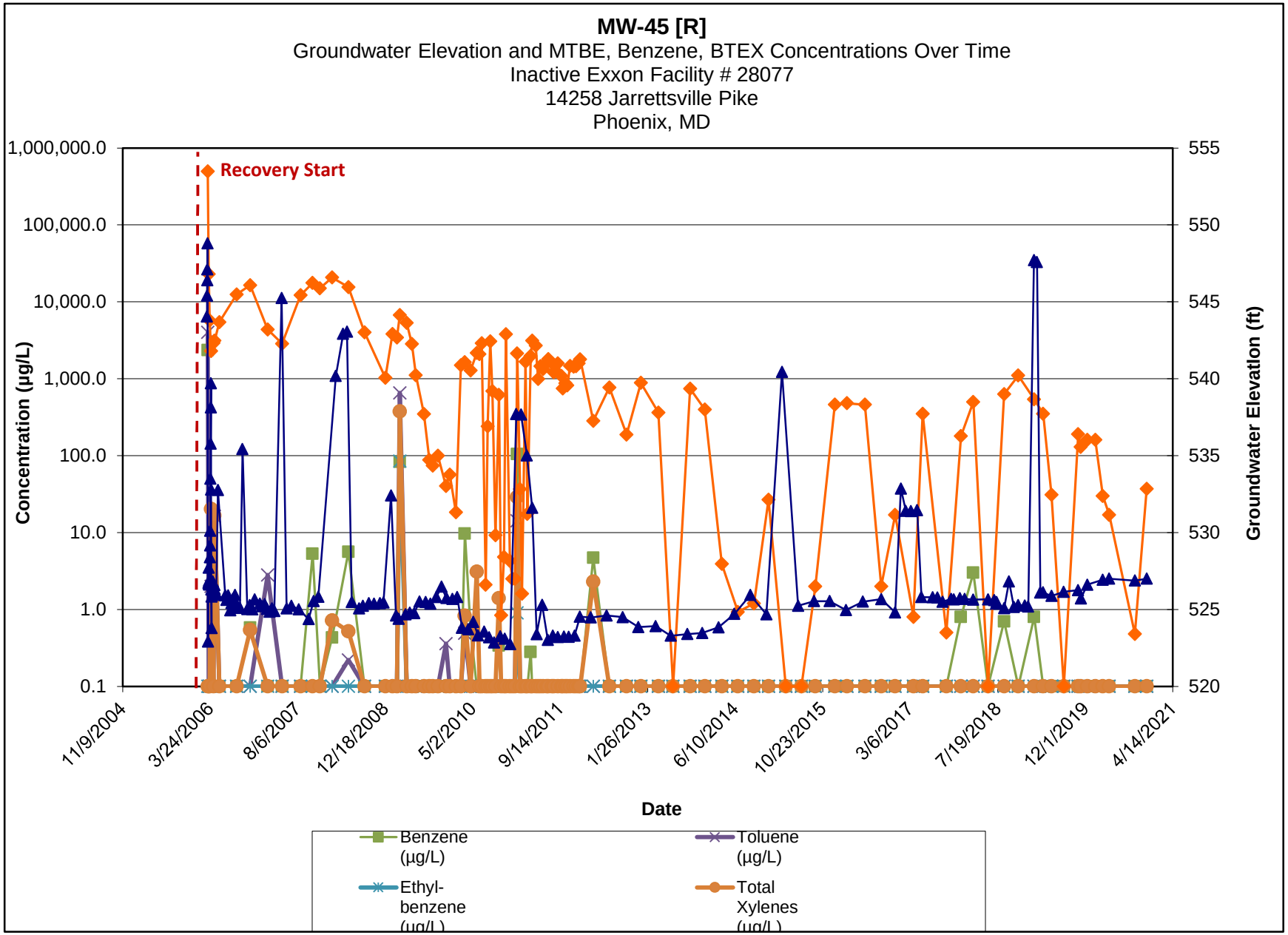

Note:
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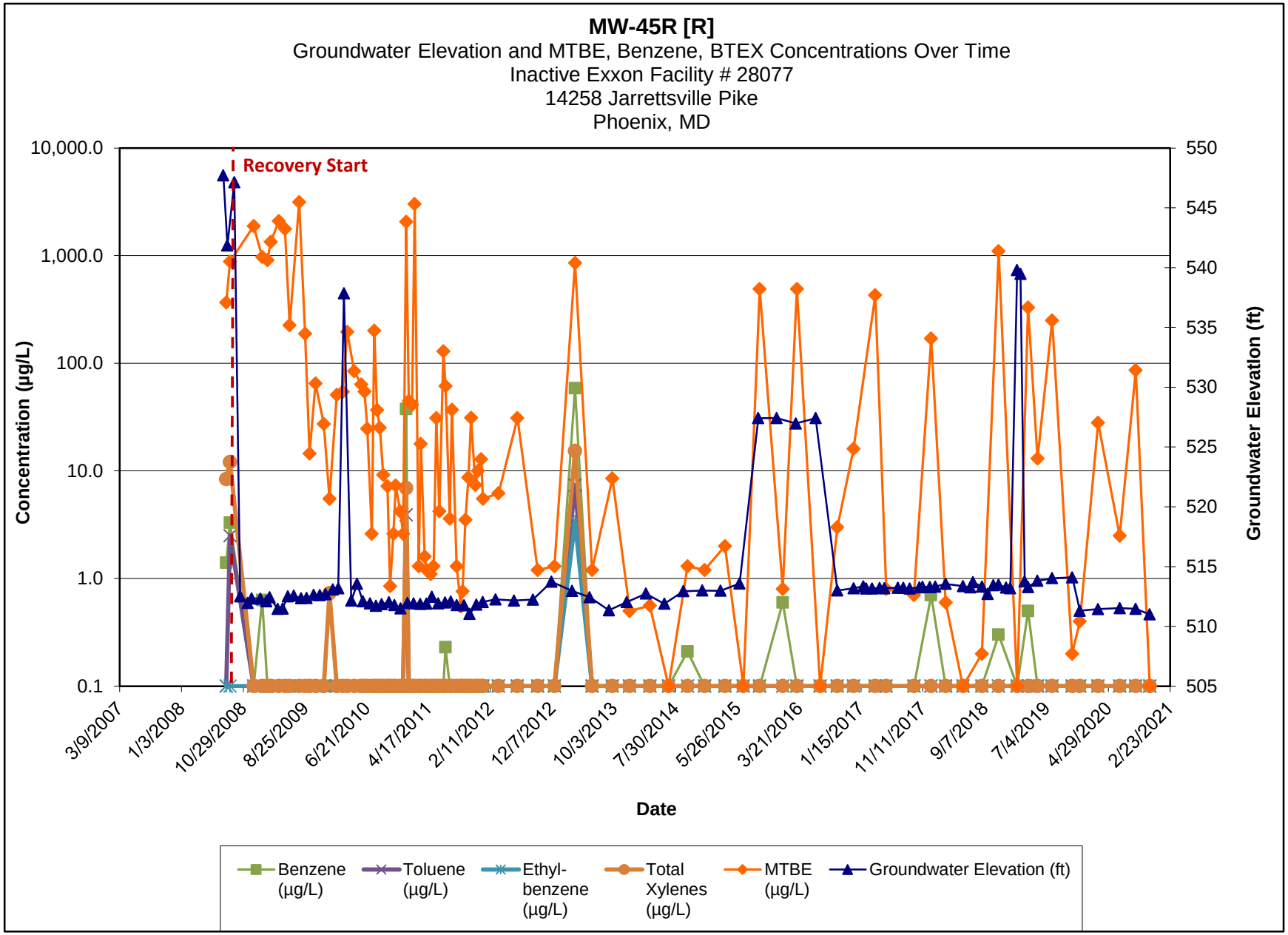
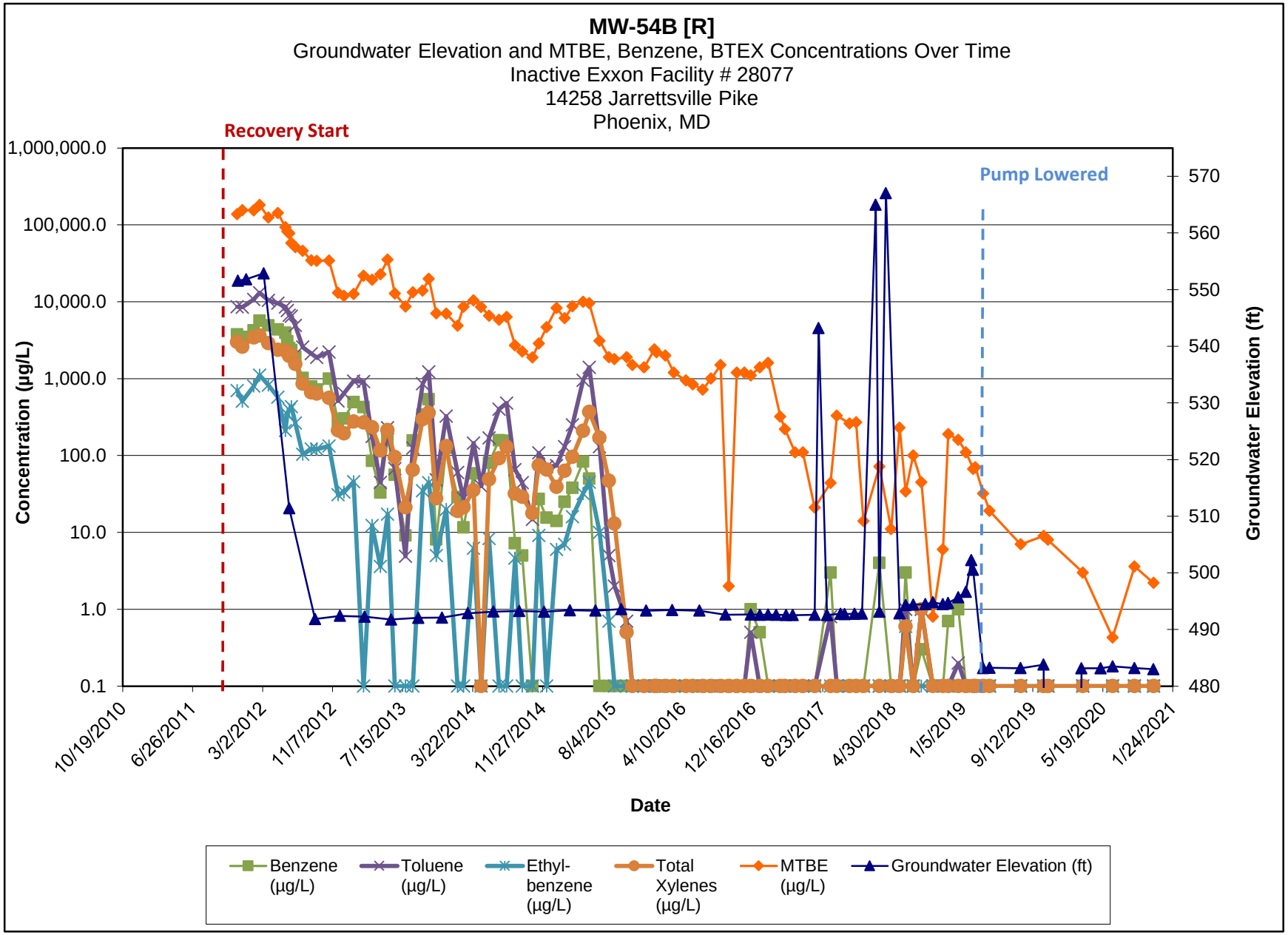
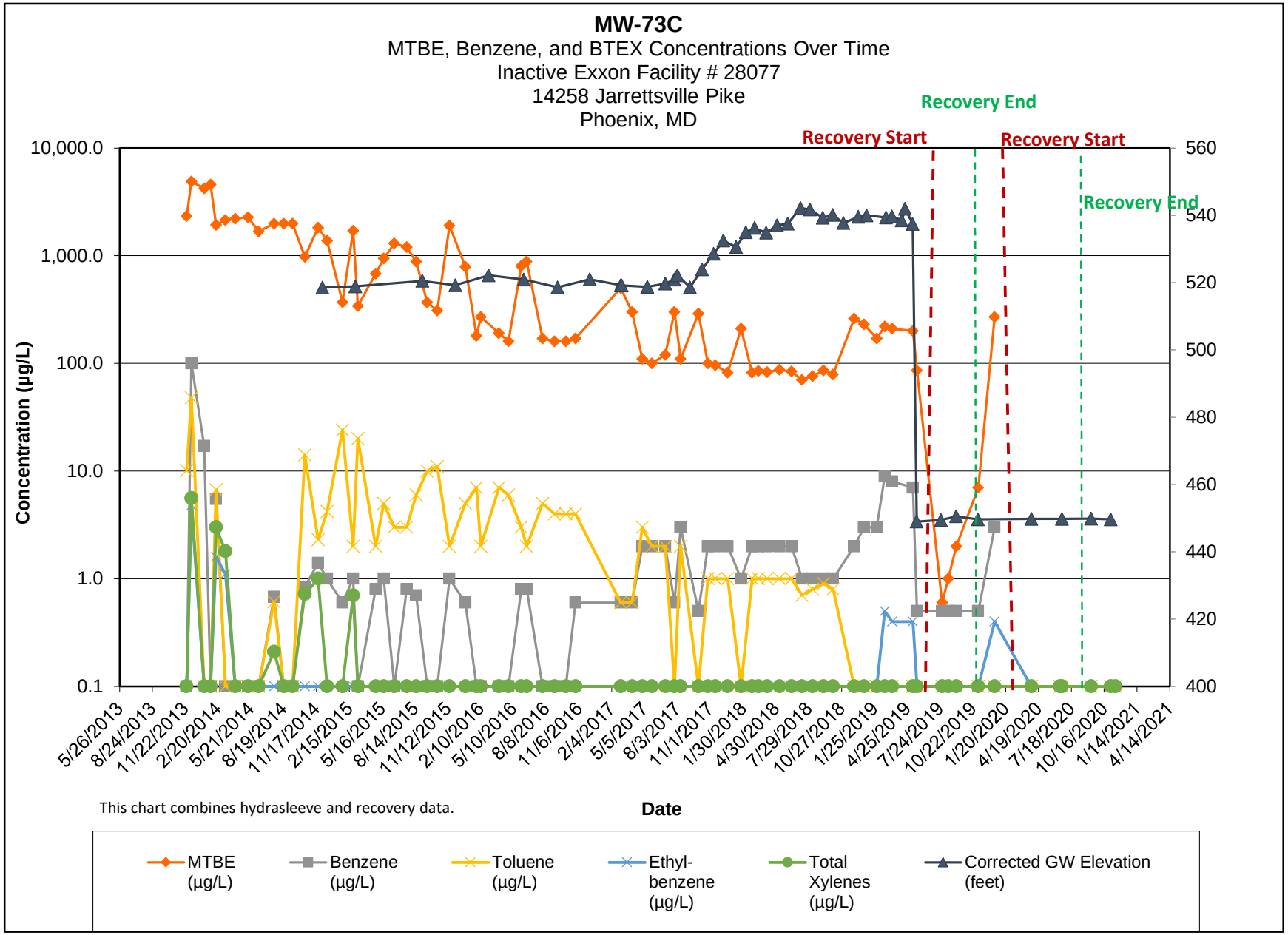


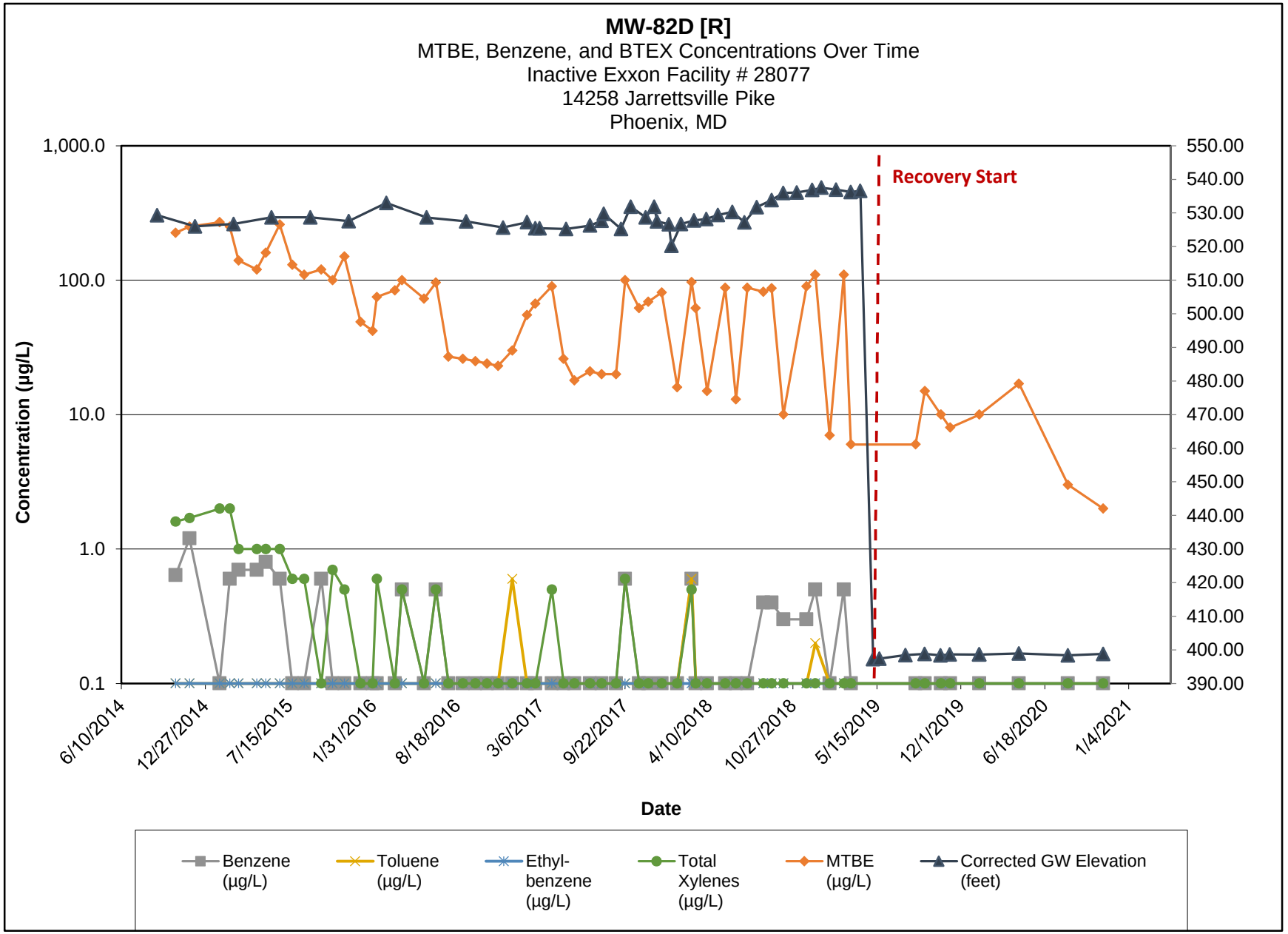
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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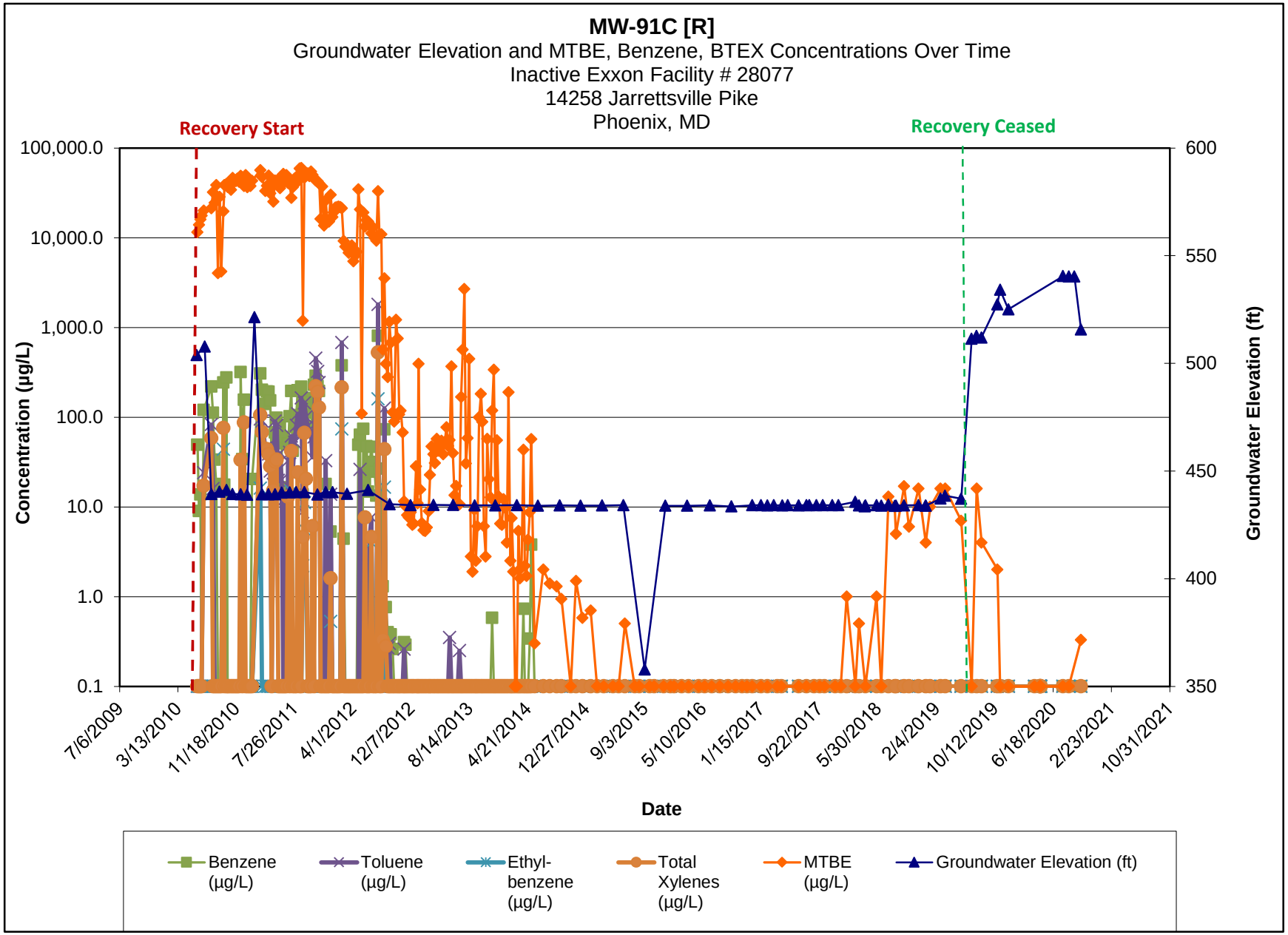
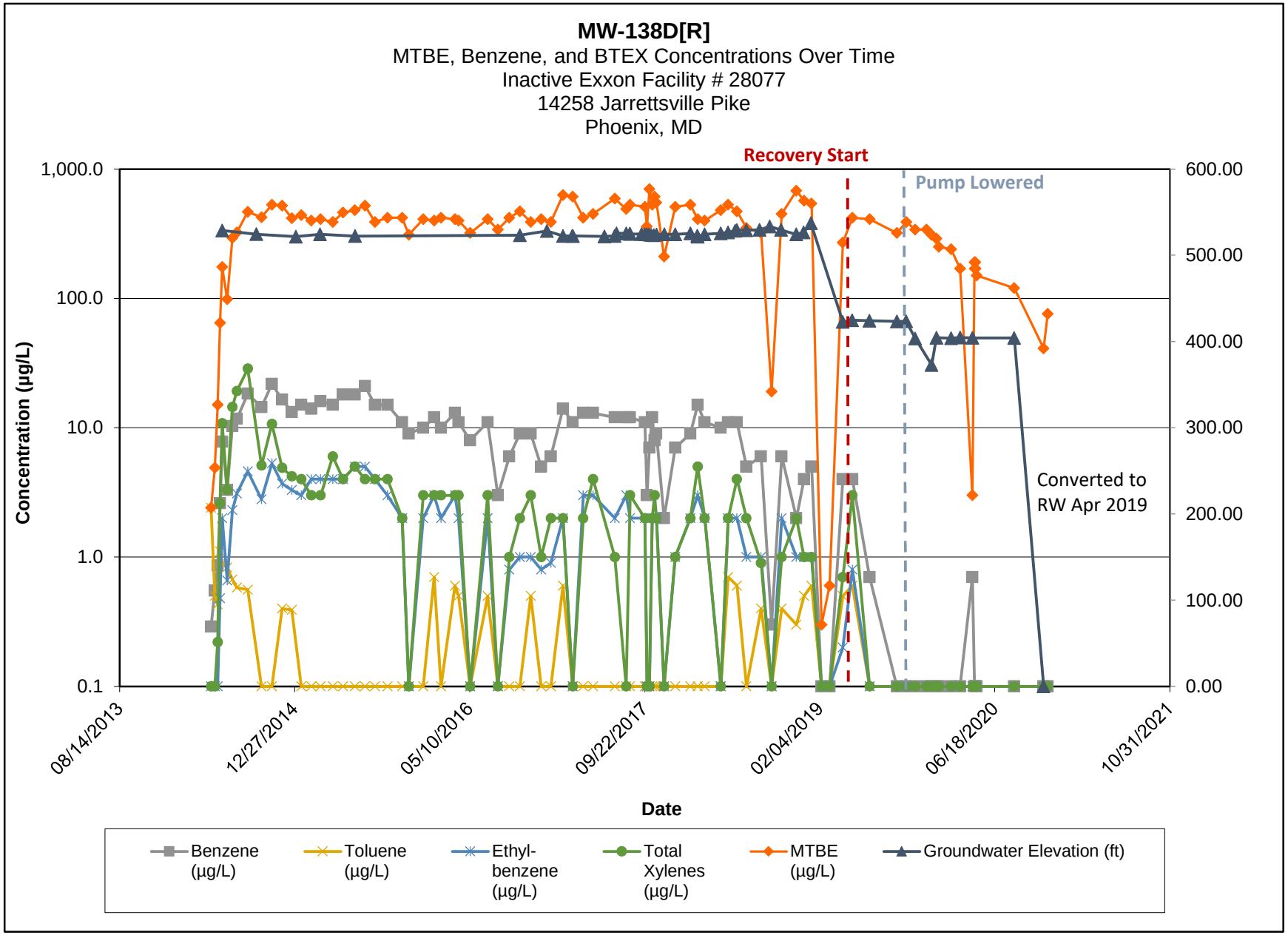
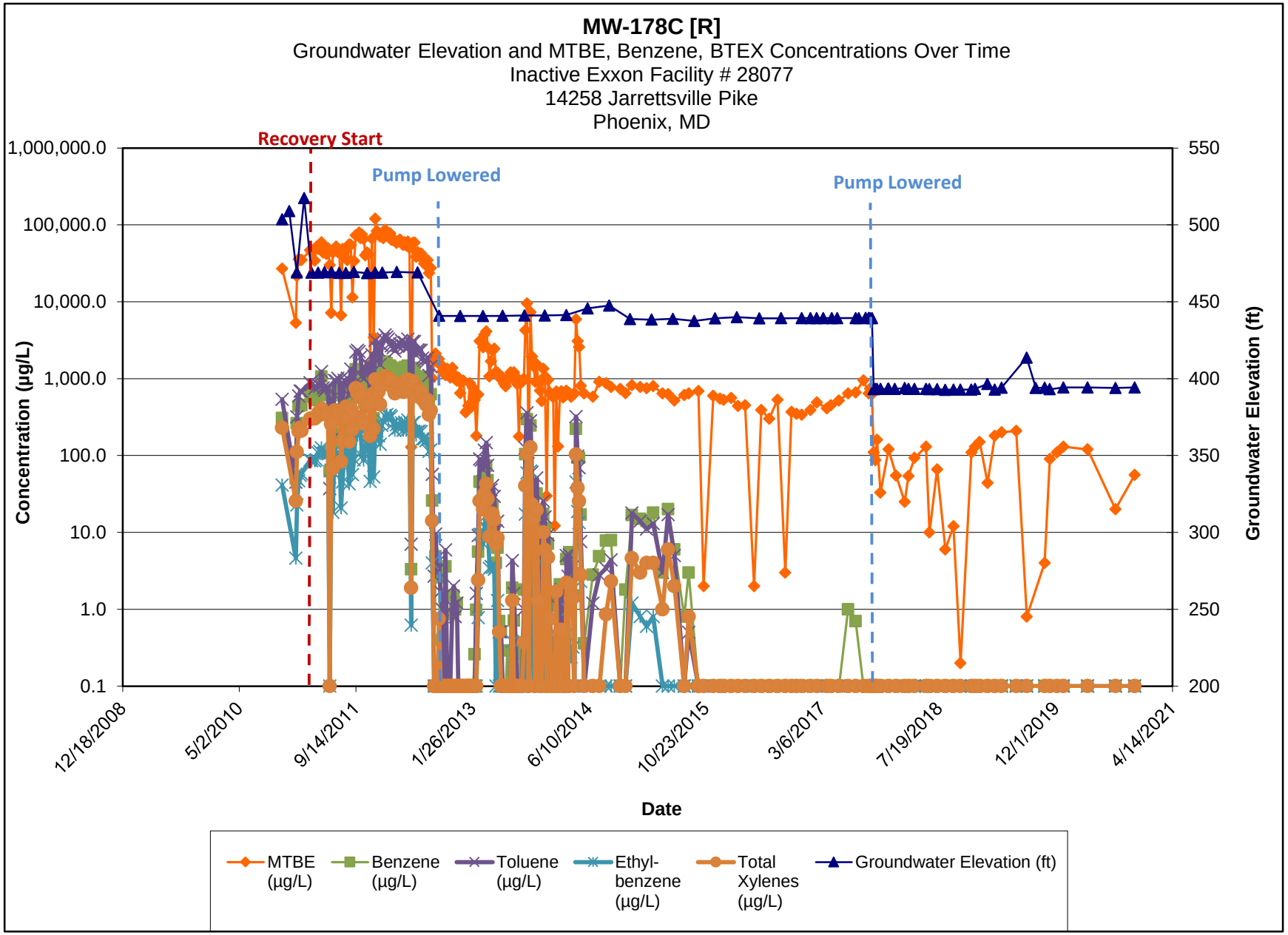
2.) [R] - indicates well was used for remediation at time of reporting.



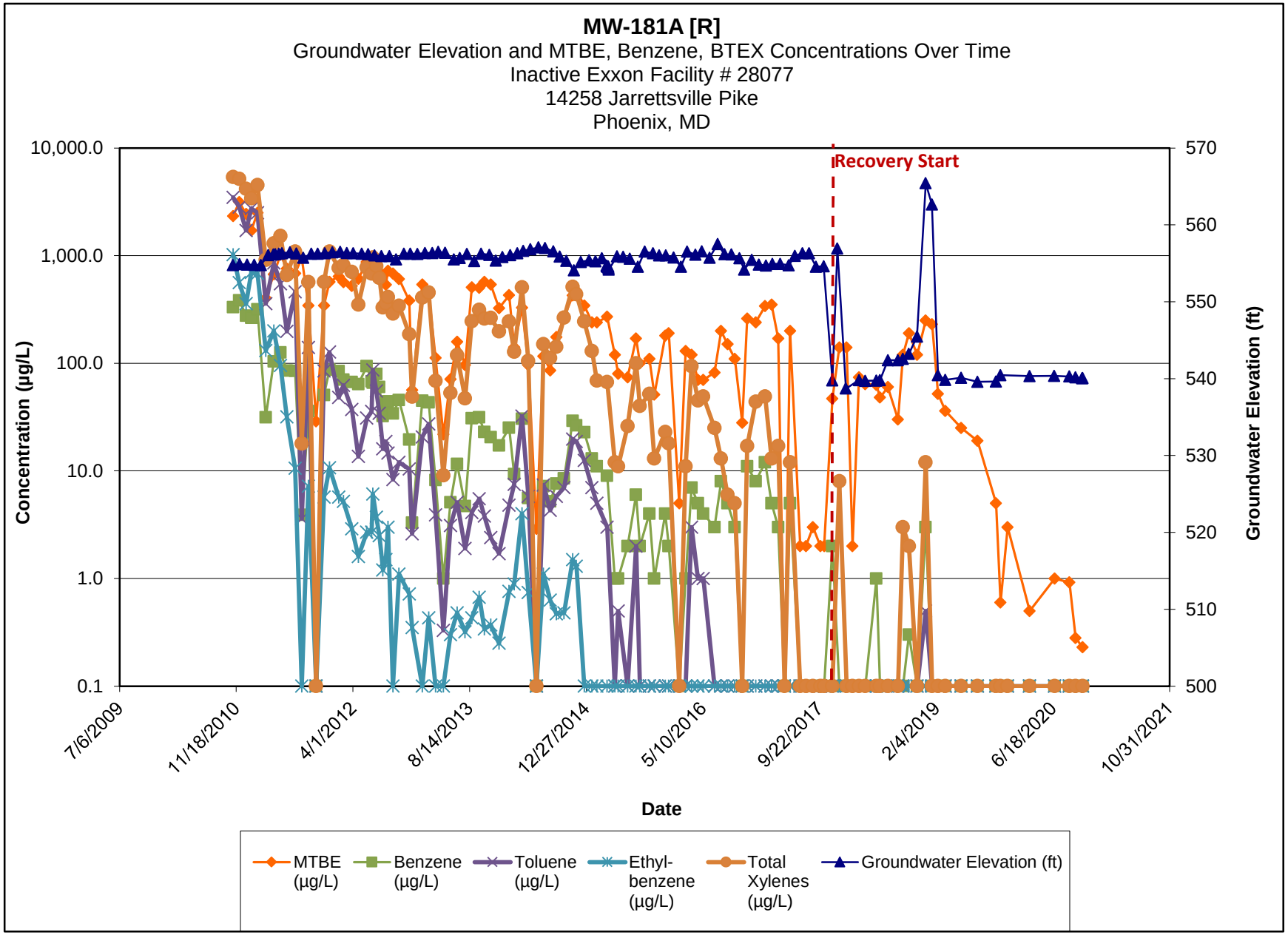
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



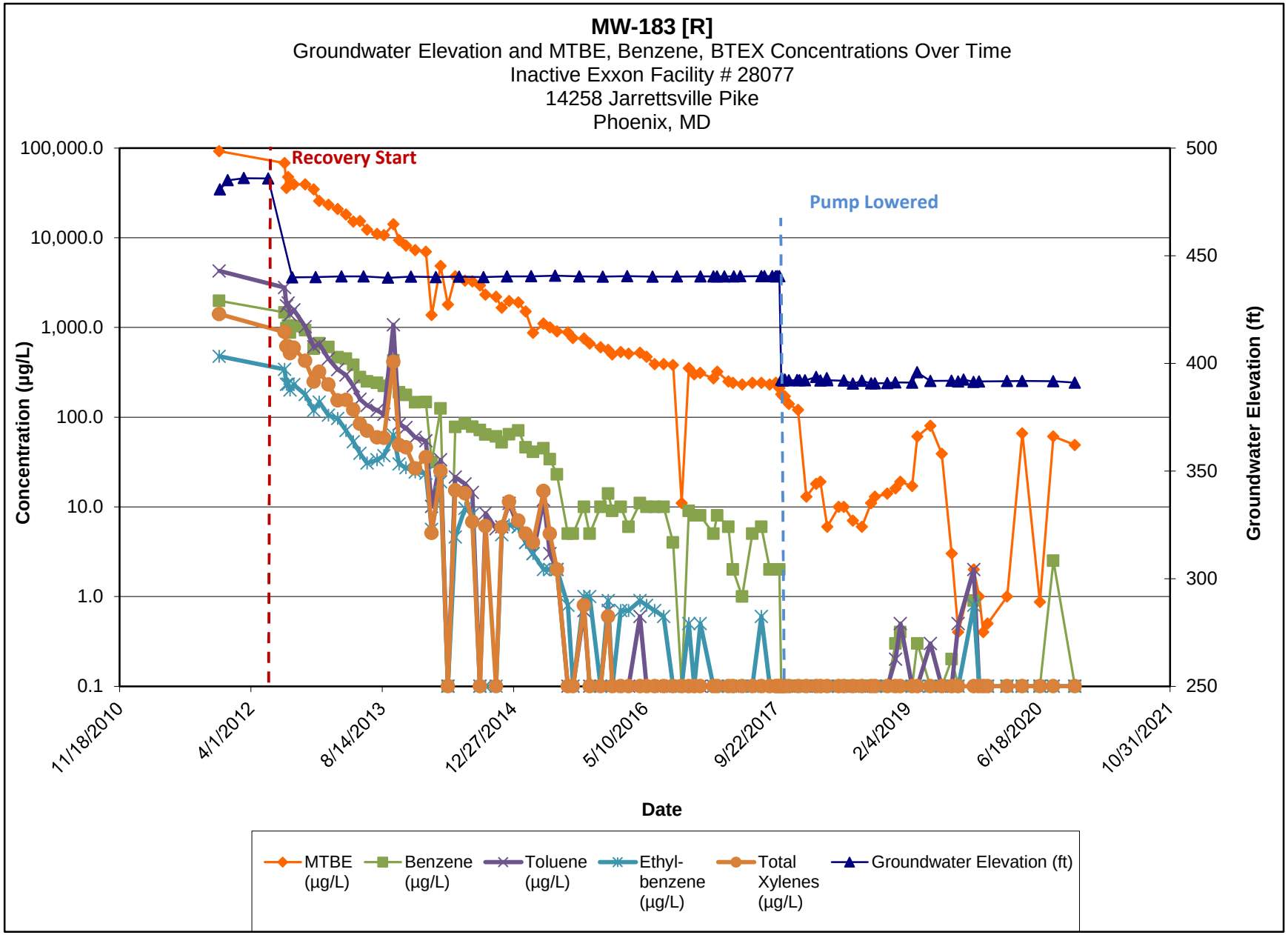
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:
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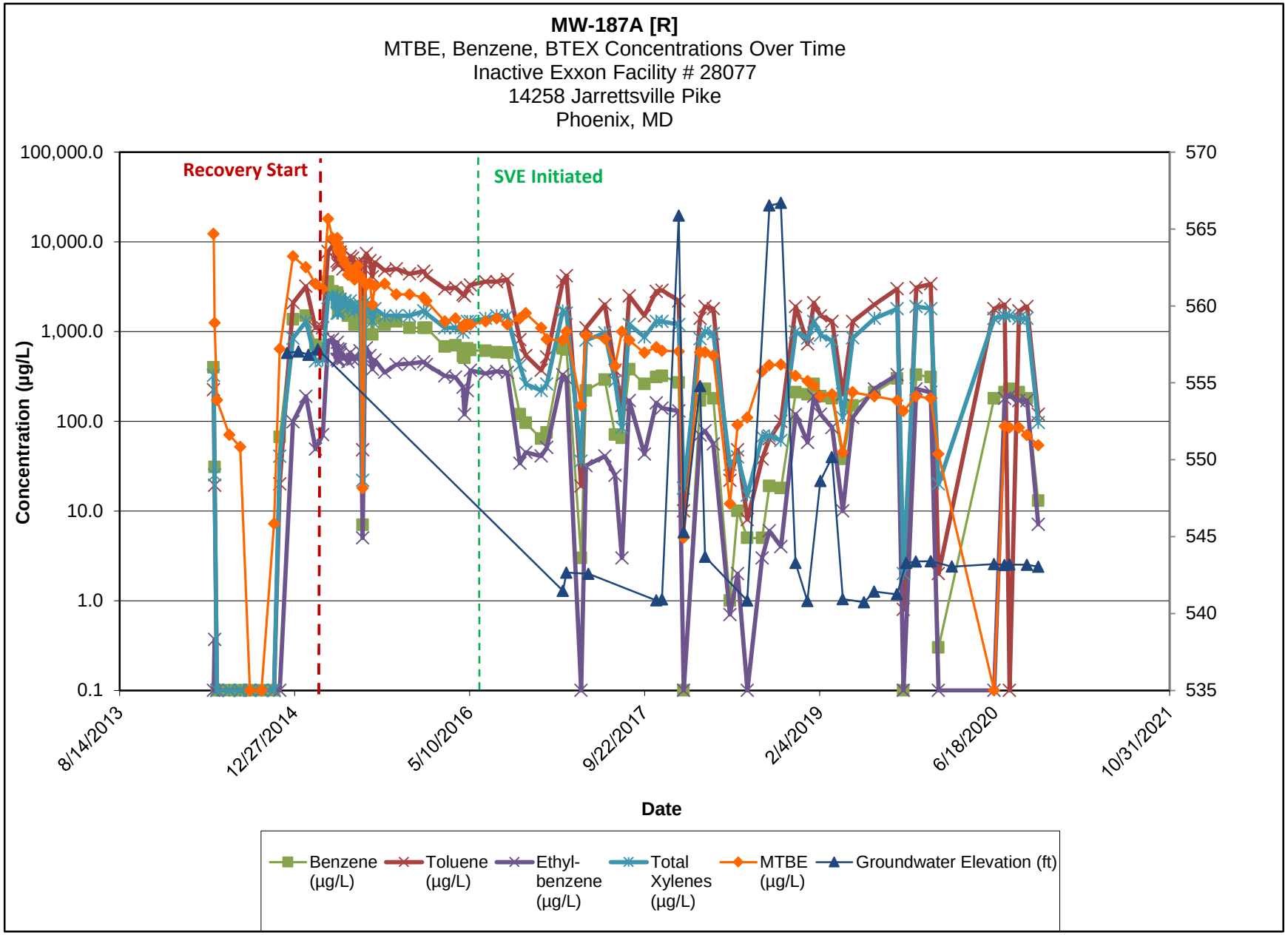
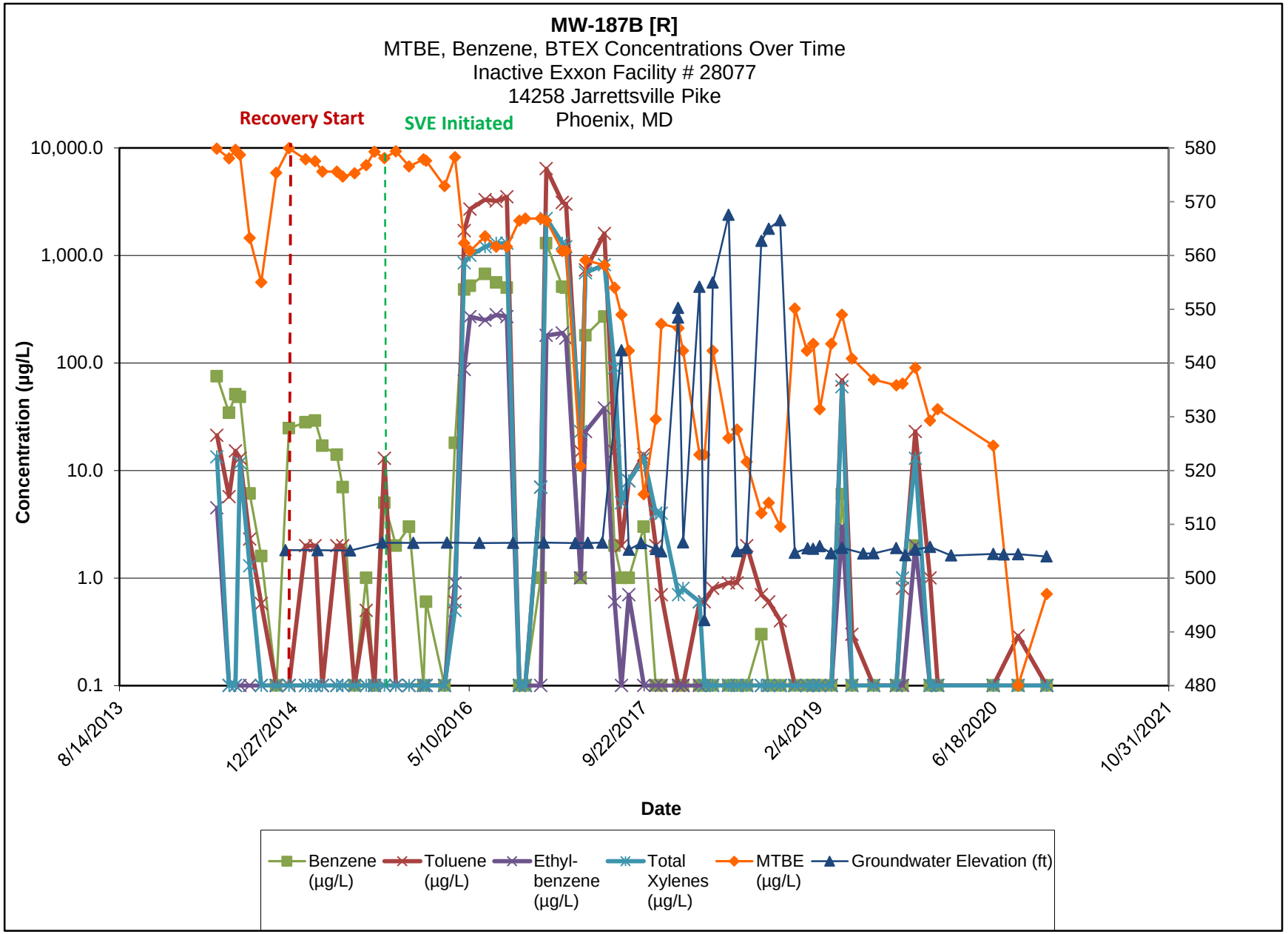
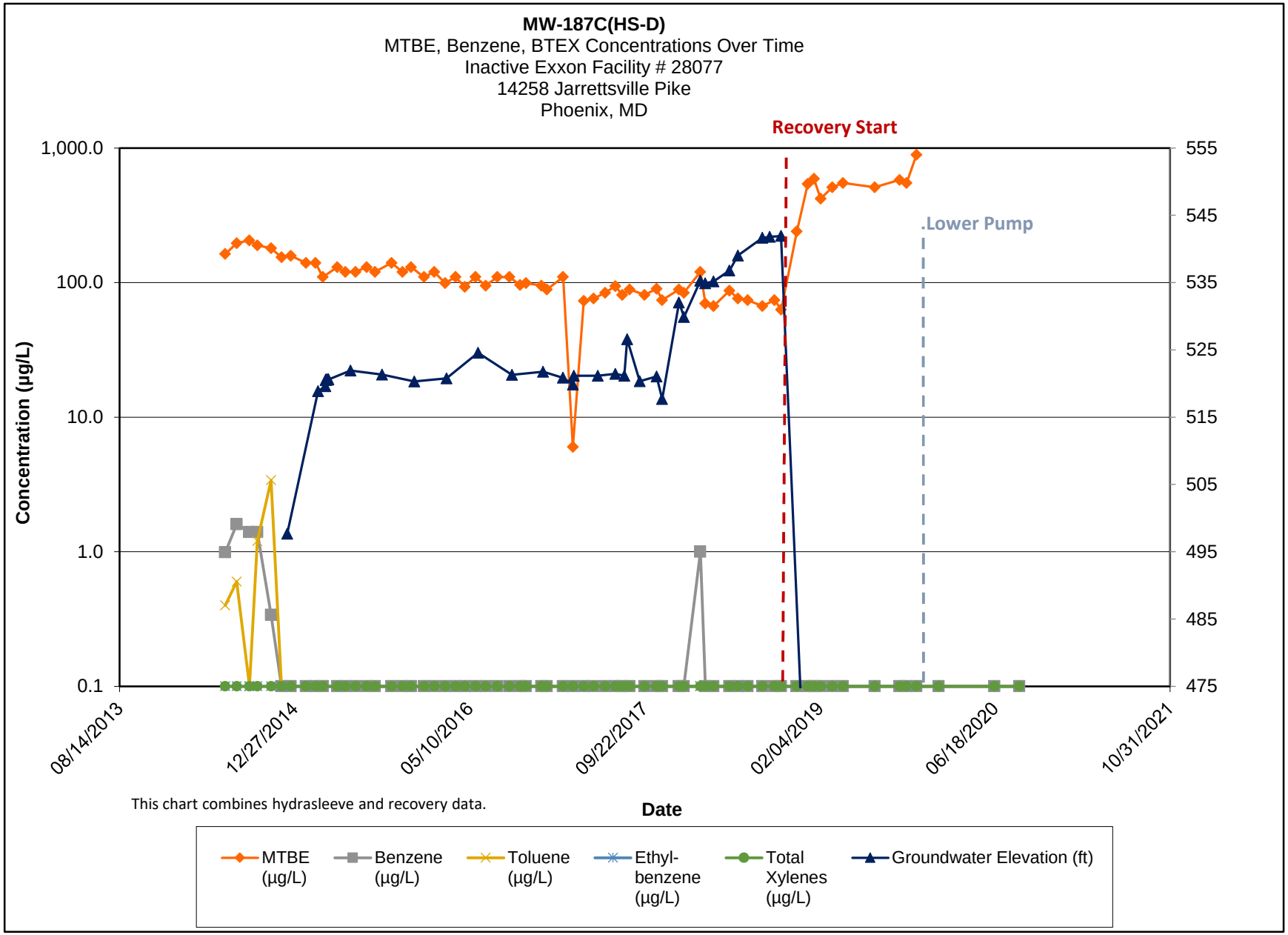


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



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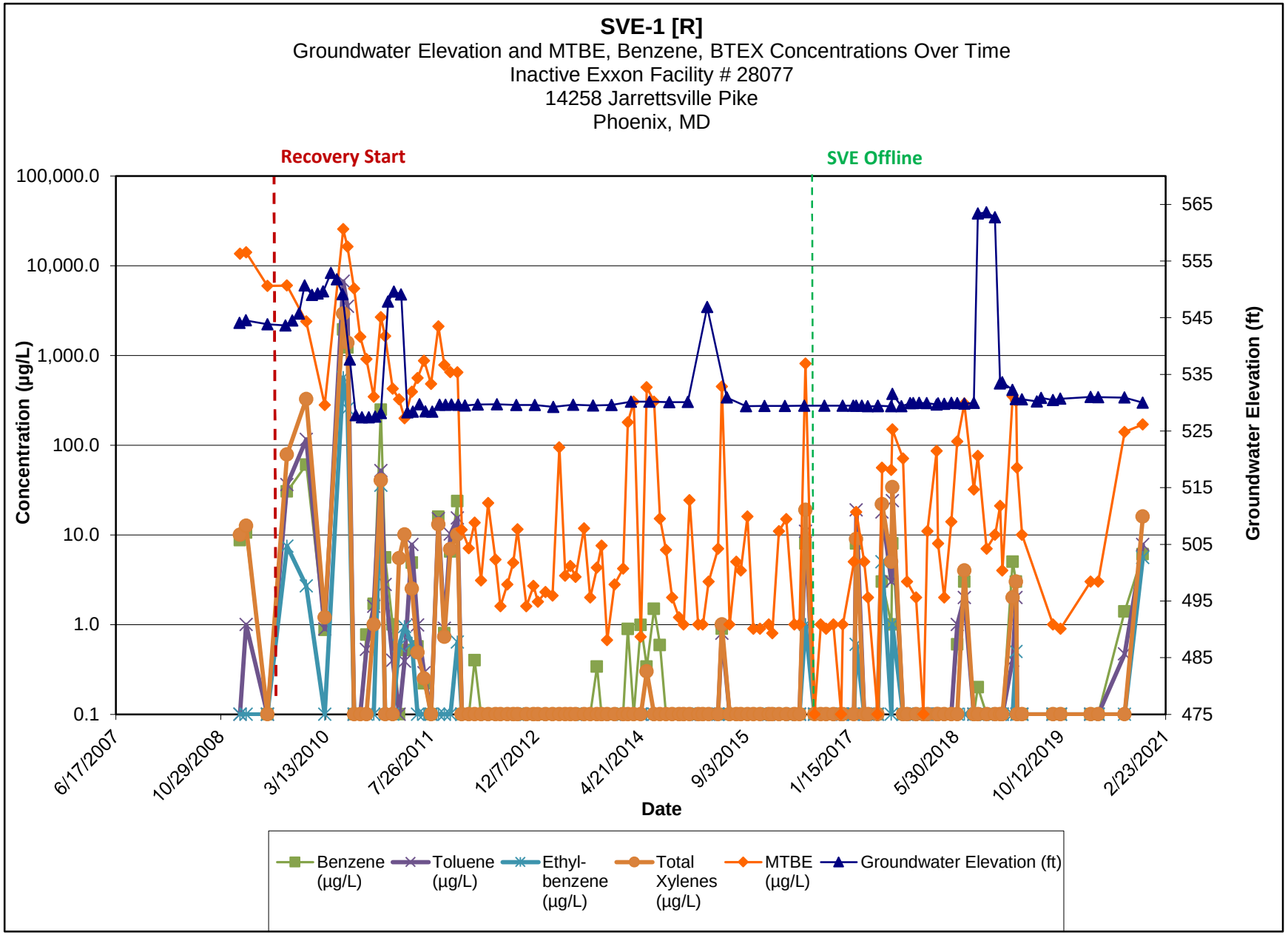

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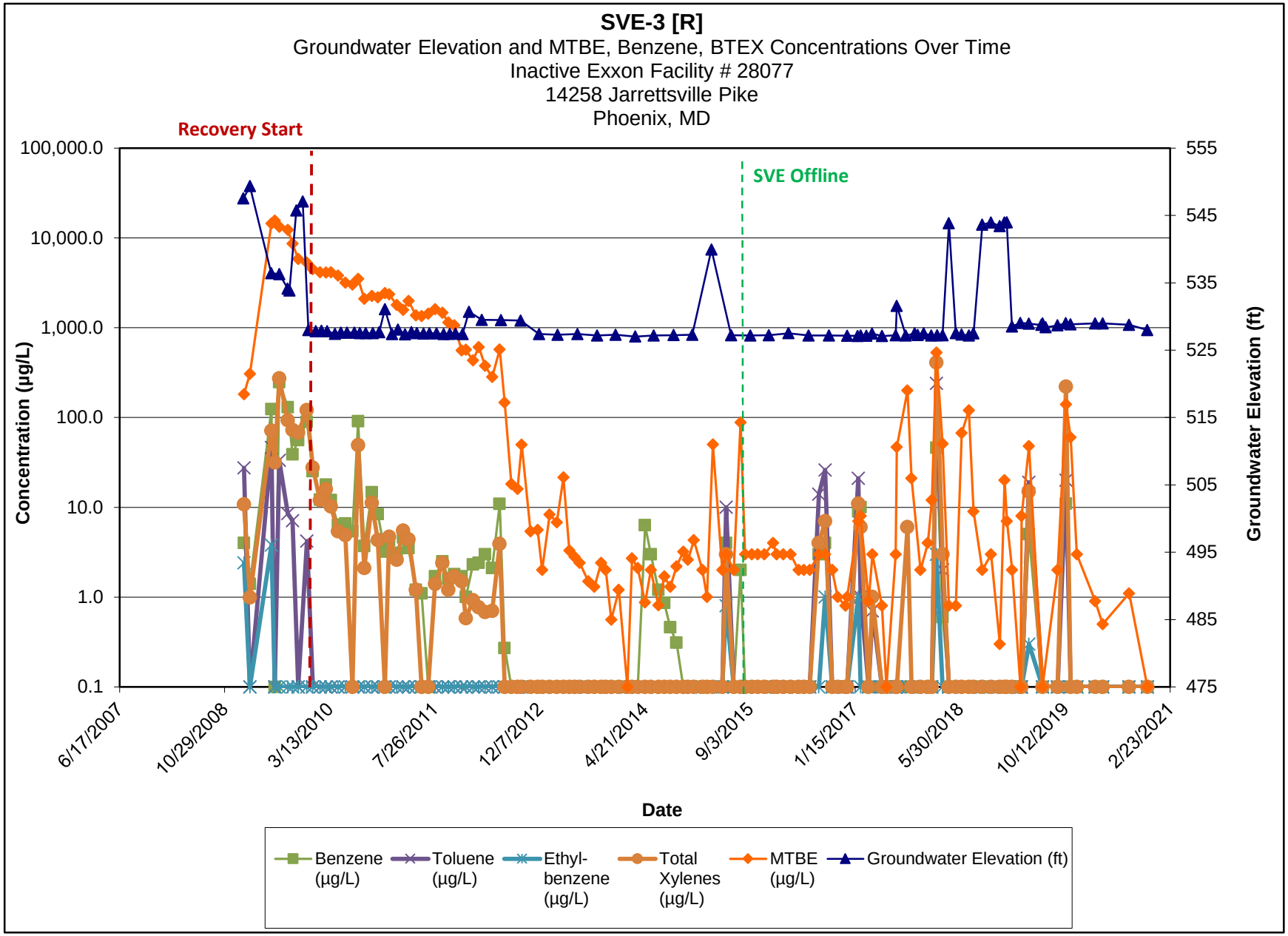
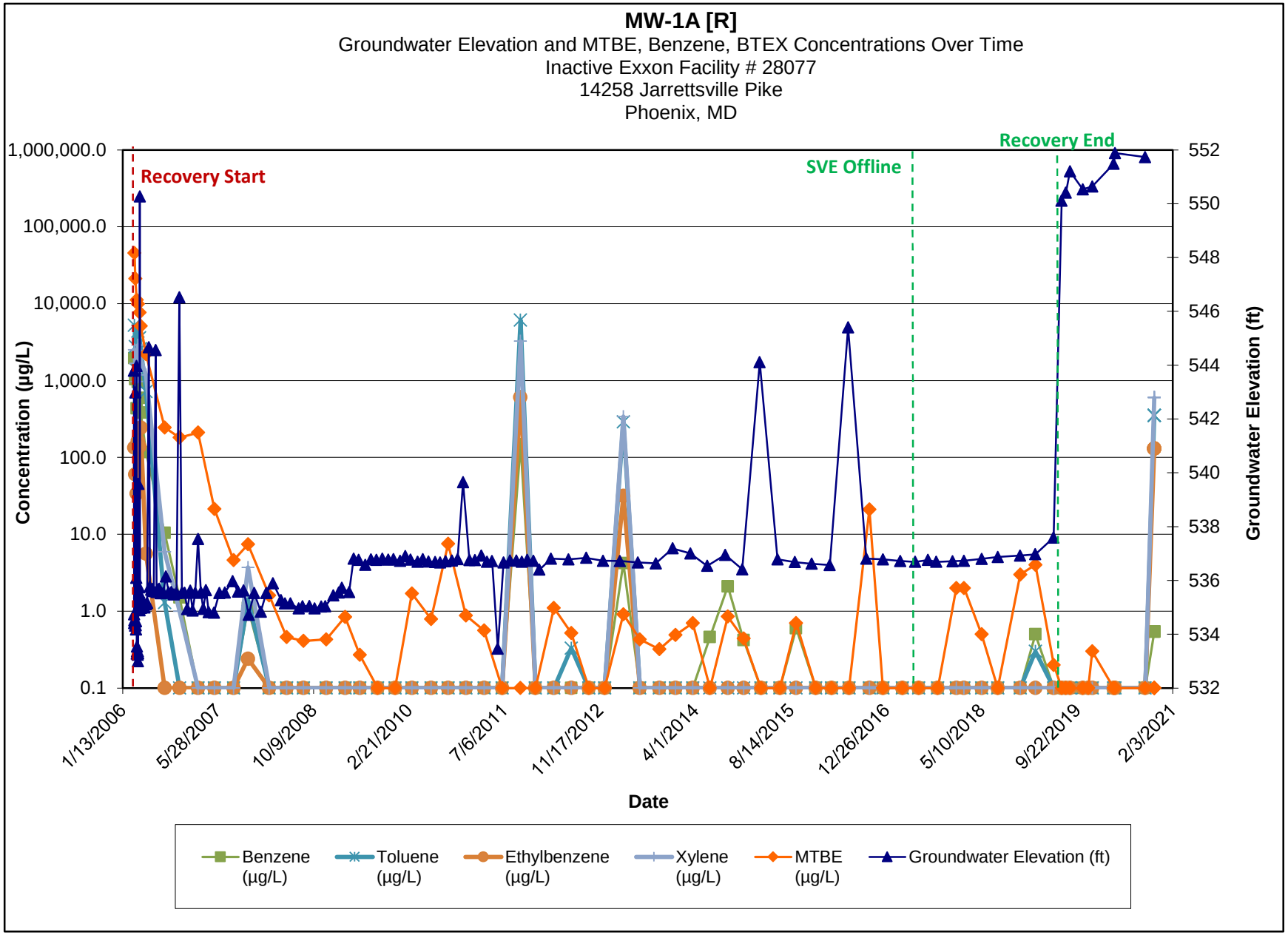


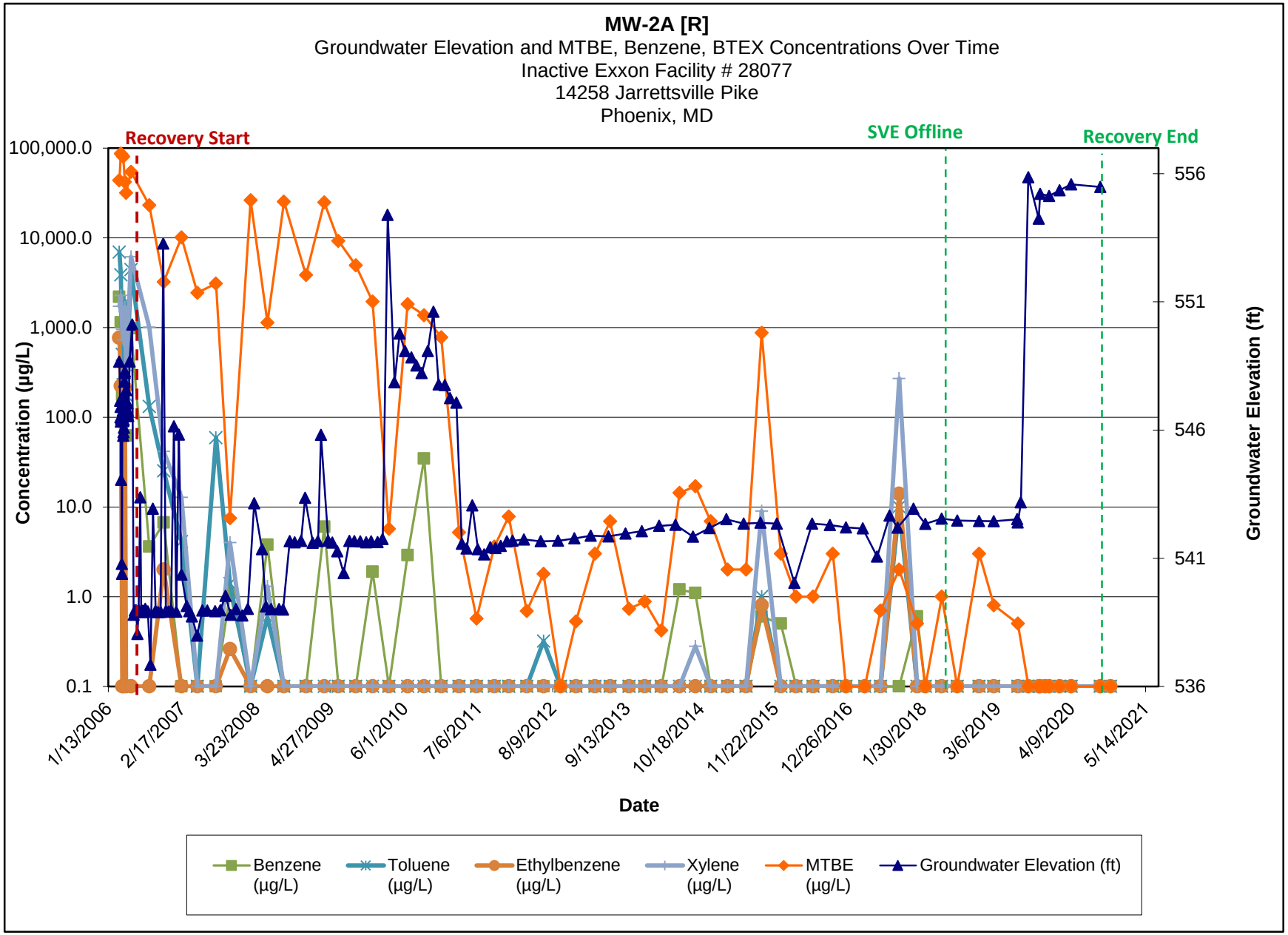
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.

Quarterly Sampled Wells

MW-001A
MW-002A
MW-004
MW-006
MW-007
MW-013
MW-017
MW-019
MW-022
MW-027B
MW-027R
MW-032
MW-037
MW-038
MW-040
MW-054
MW-059B
MW-075
MW-078A
MW-082
MW-082B
MW-082R
MW-089
MW-101A
MW-121
MW-139
MW-151
MW-152
MW-169
MW-170
MW-176
MW-178B
MW-181C
MW-182
MW-184
MW-185
MW-188D
MW-189D
SVE-002



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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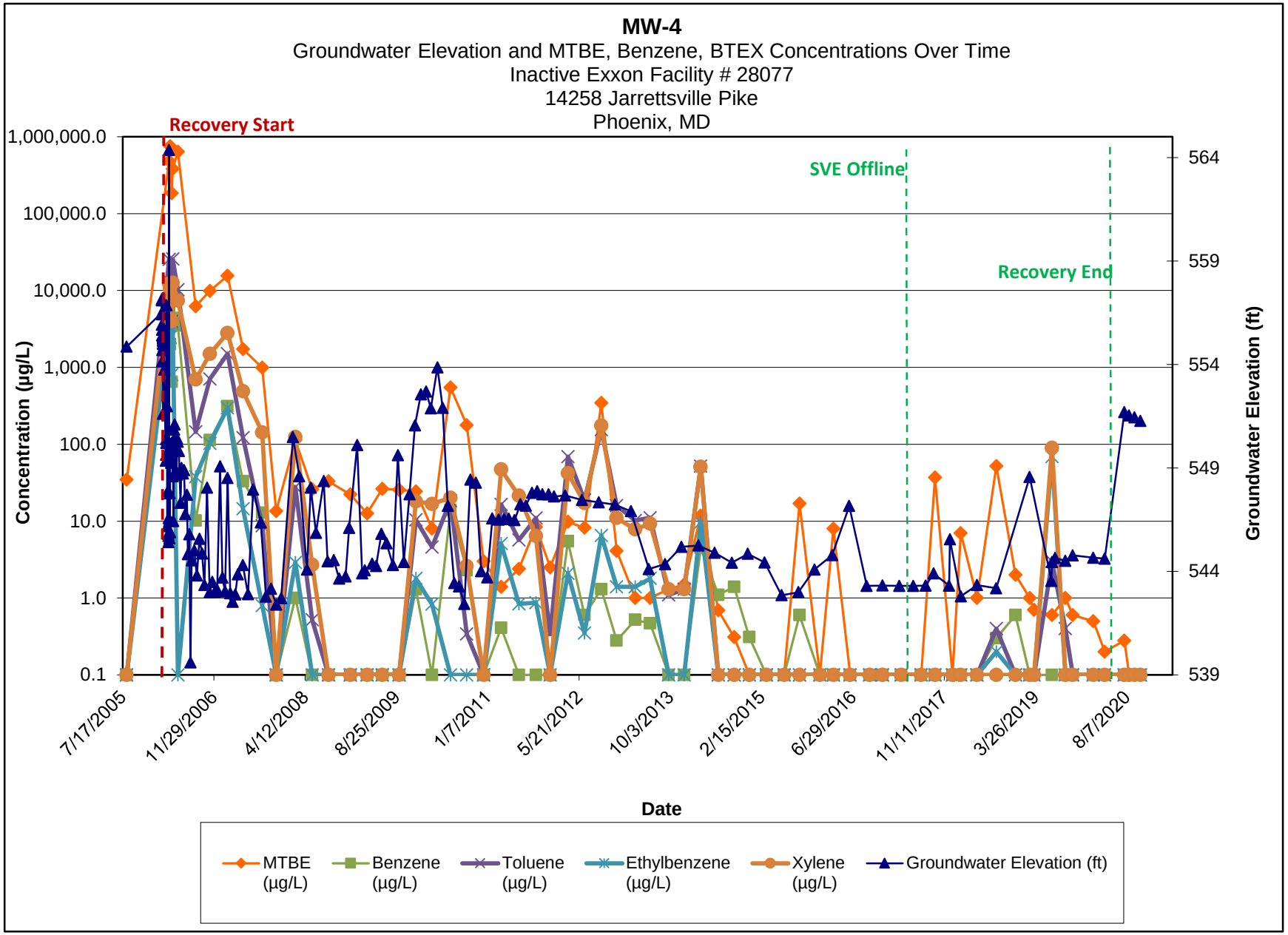

Note:
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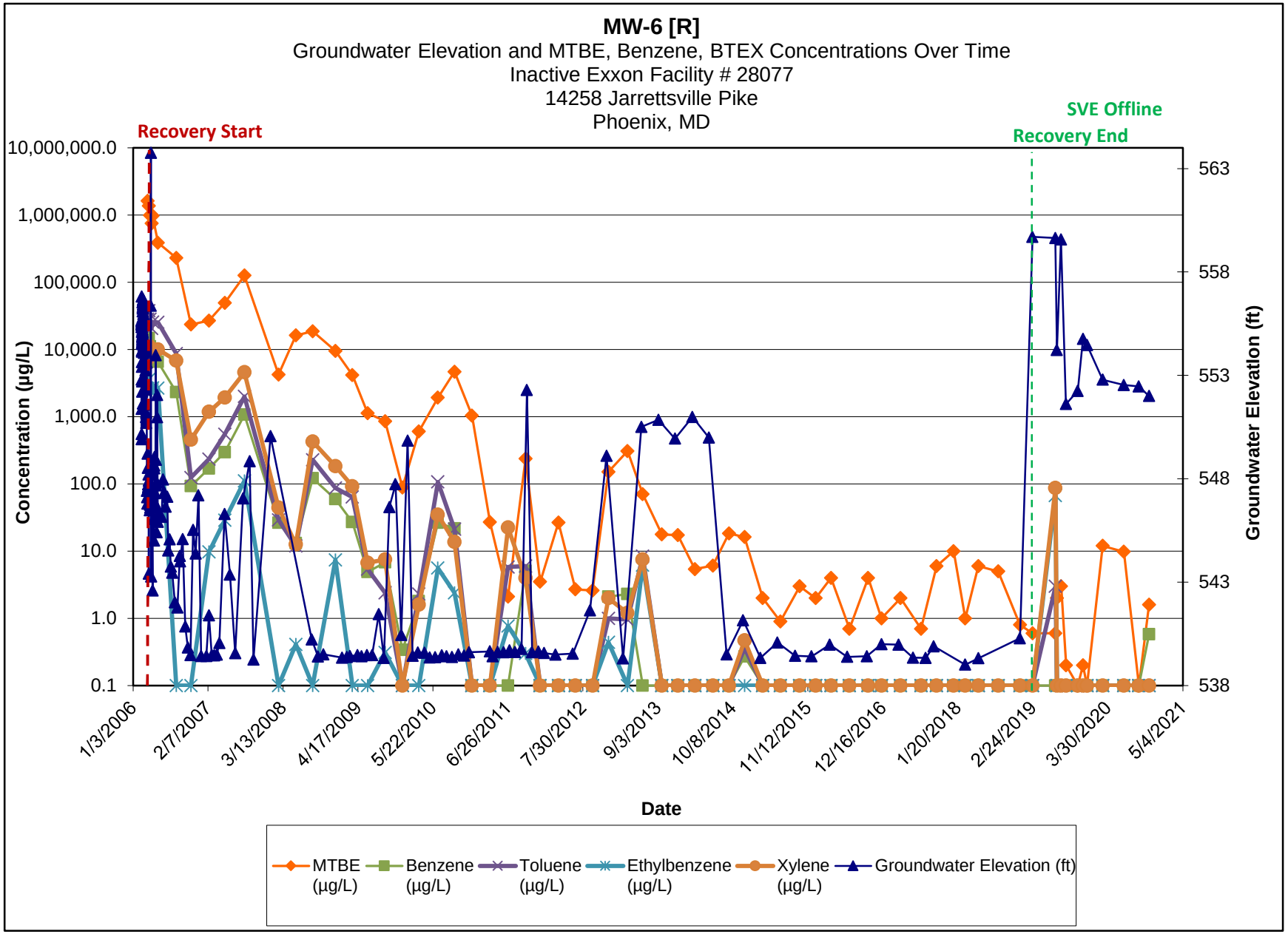

Note:
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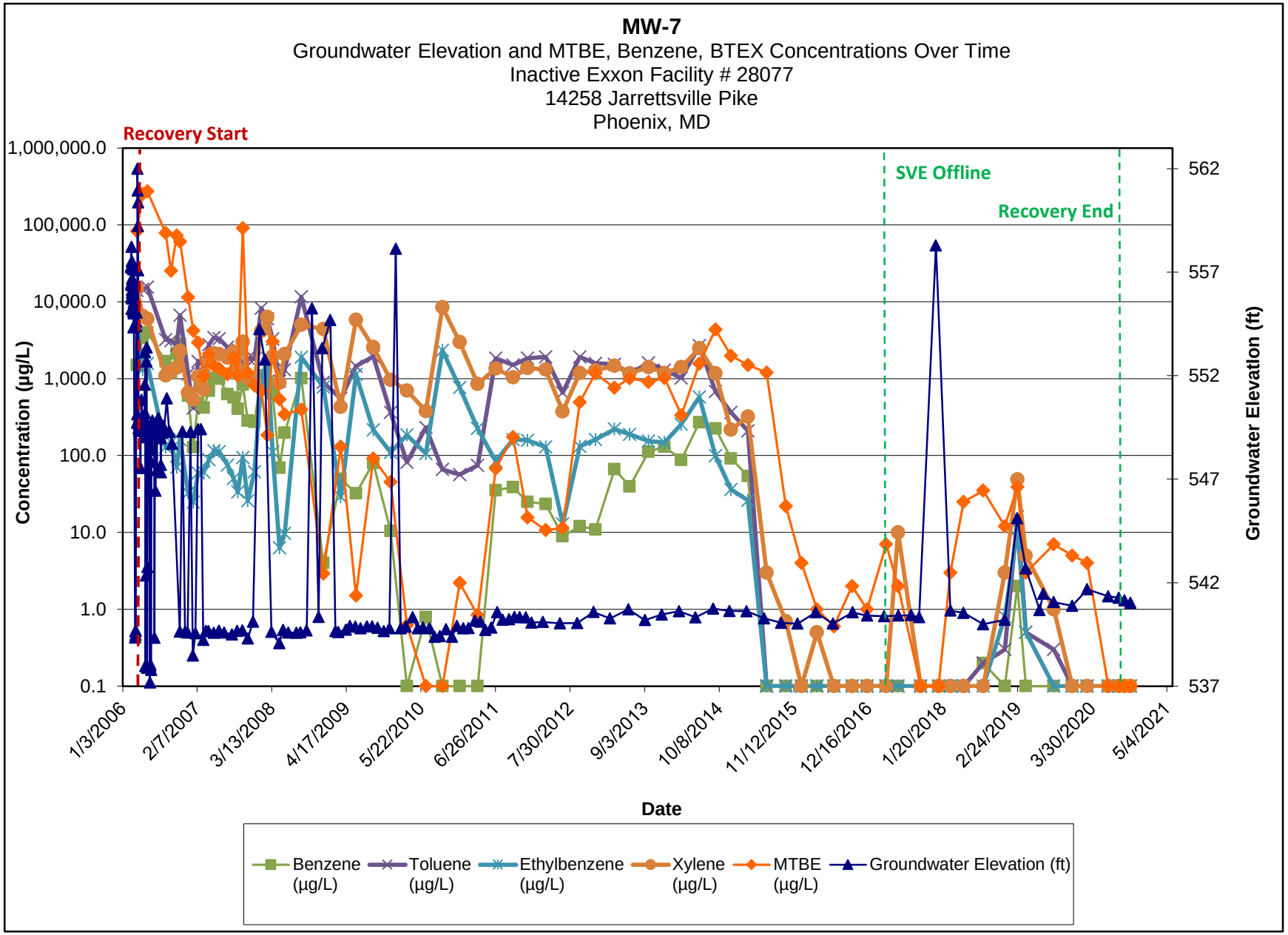

Note:
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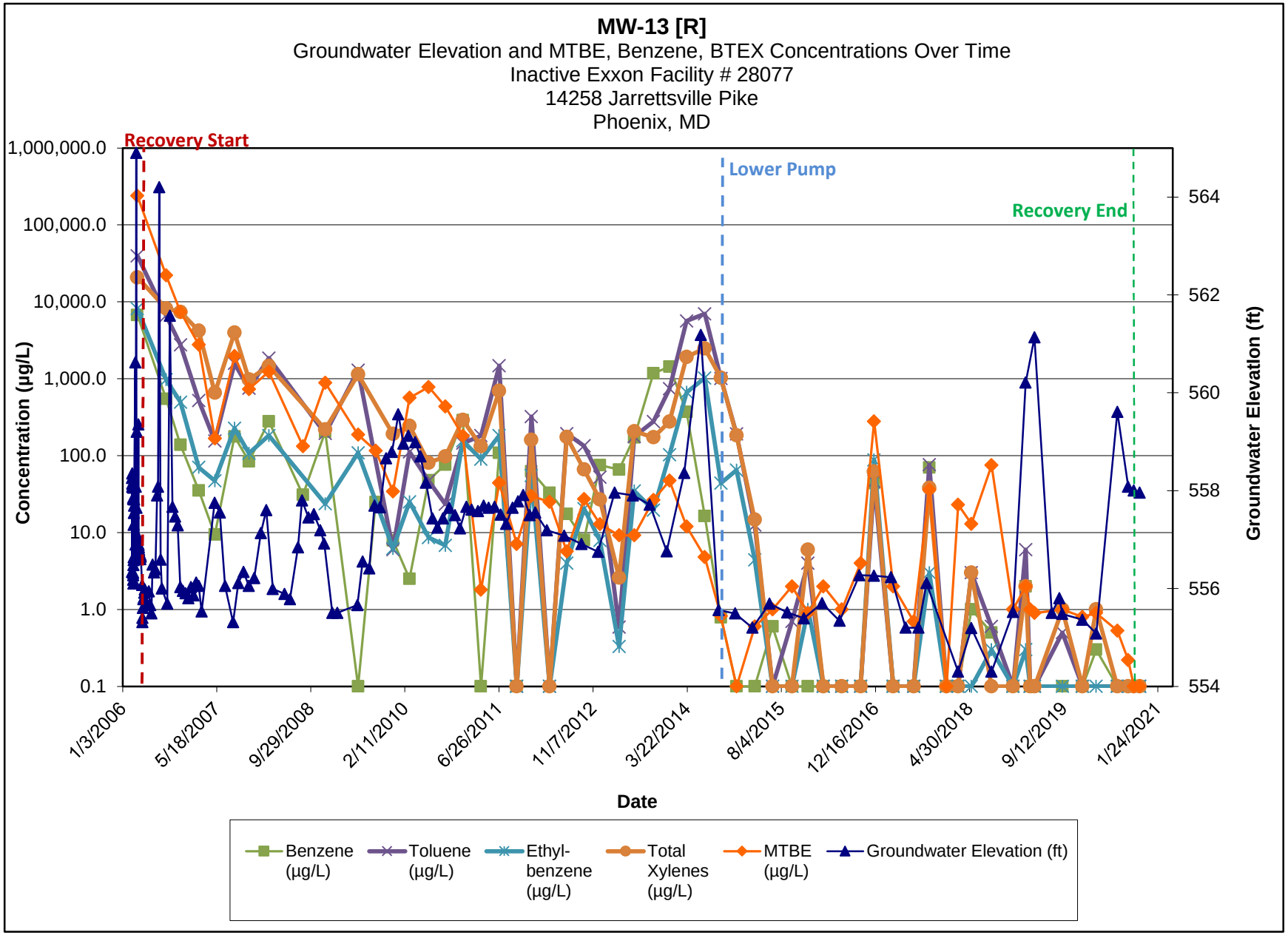

Note:
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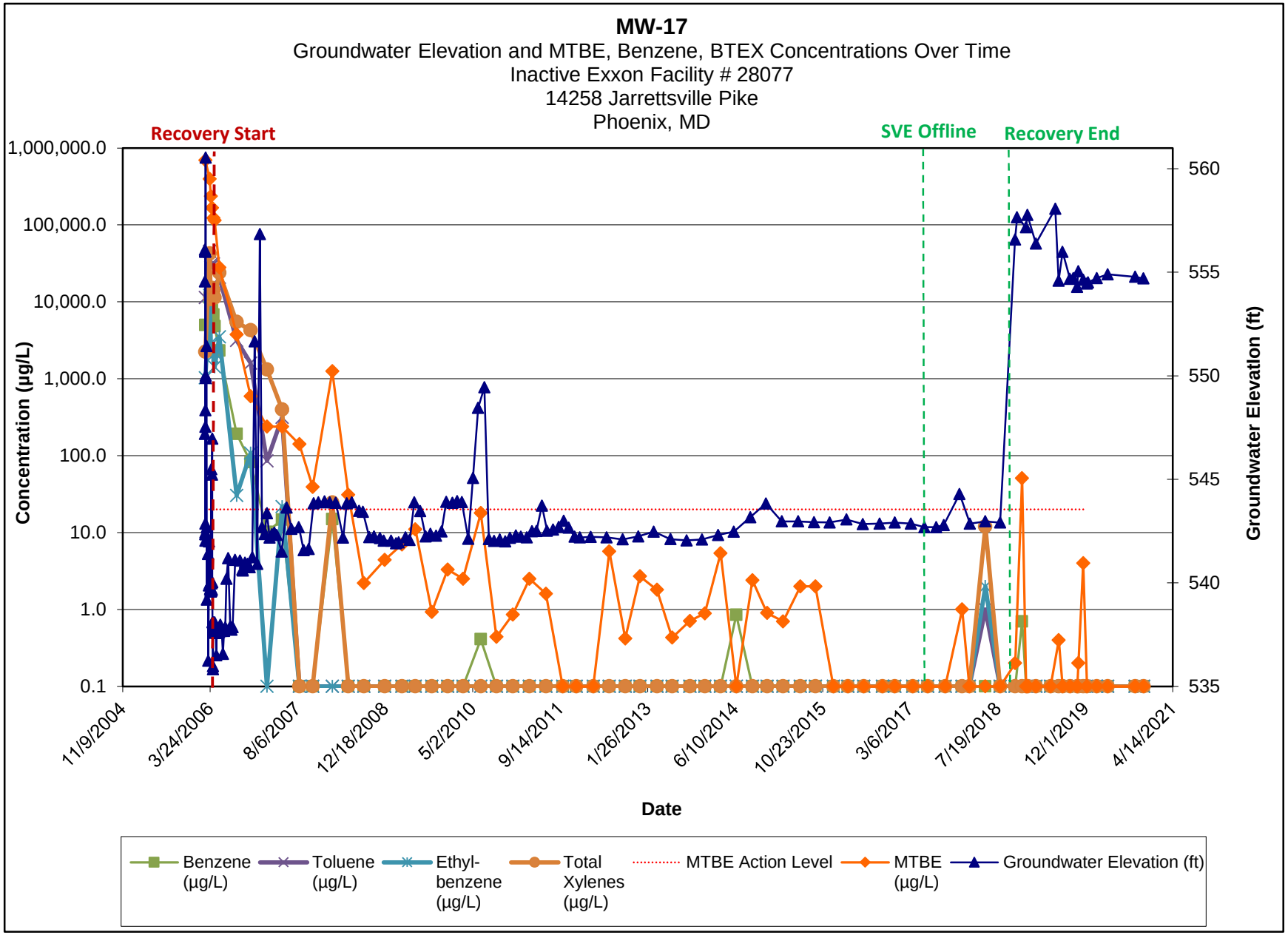

Note:
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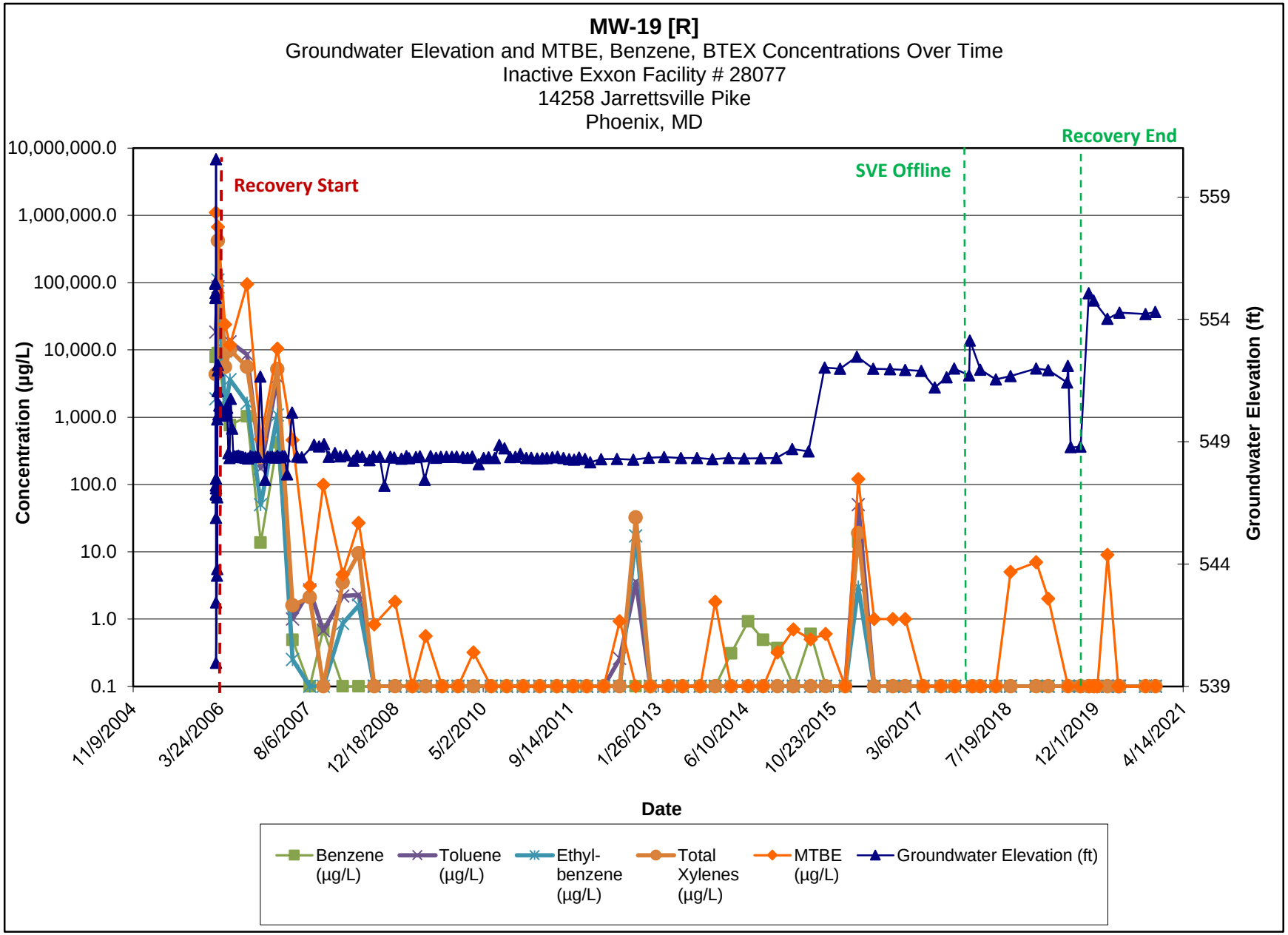

Note:
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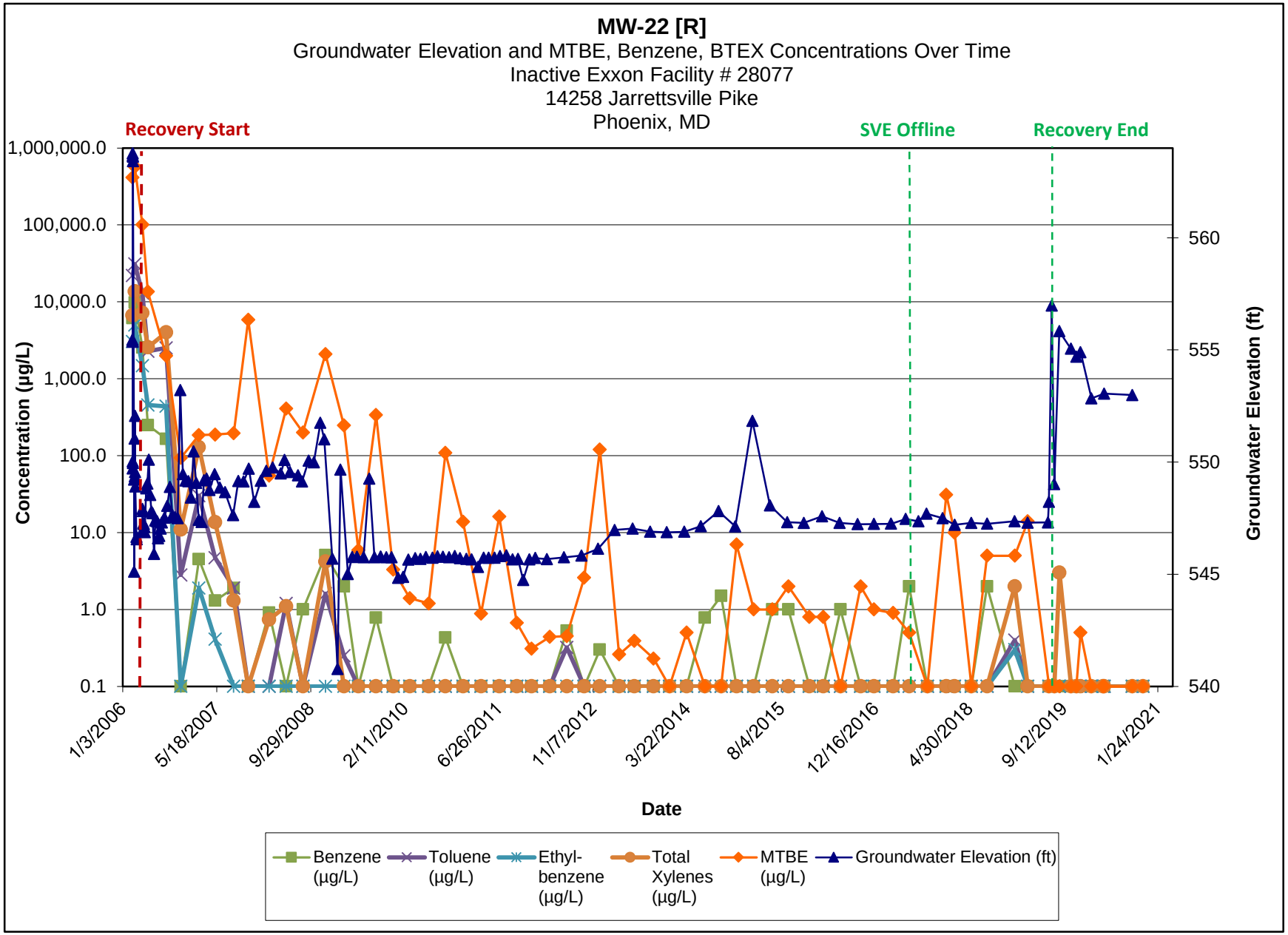

Note:
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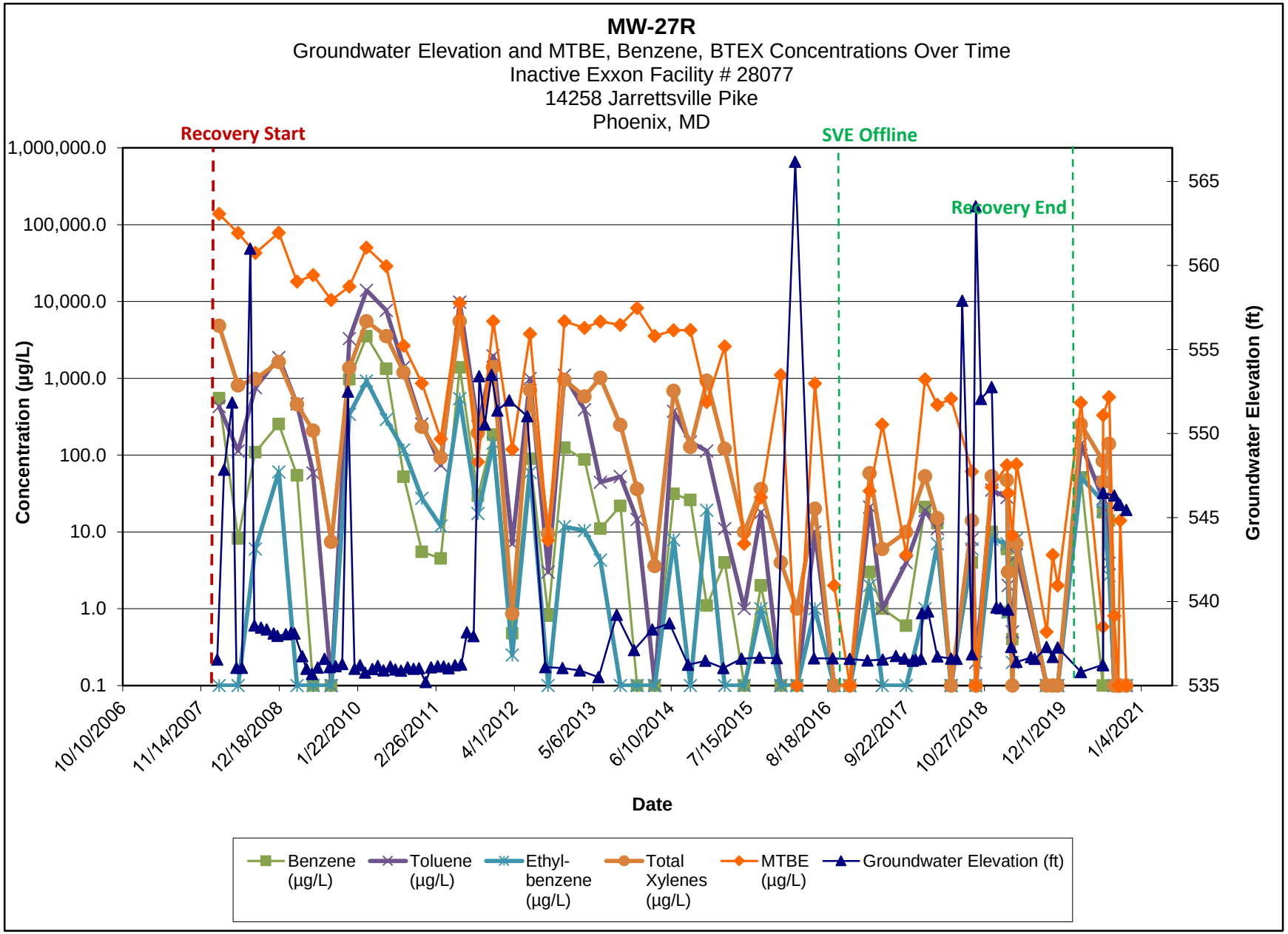

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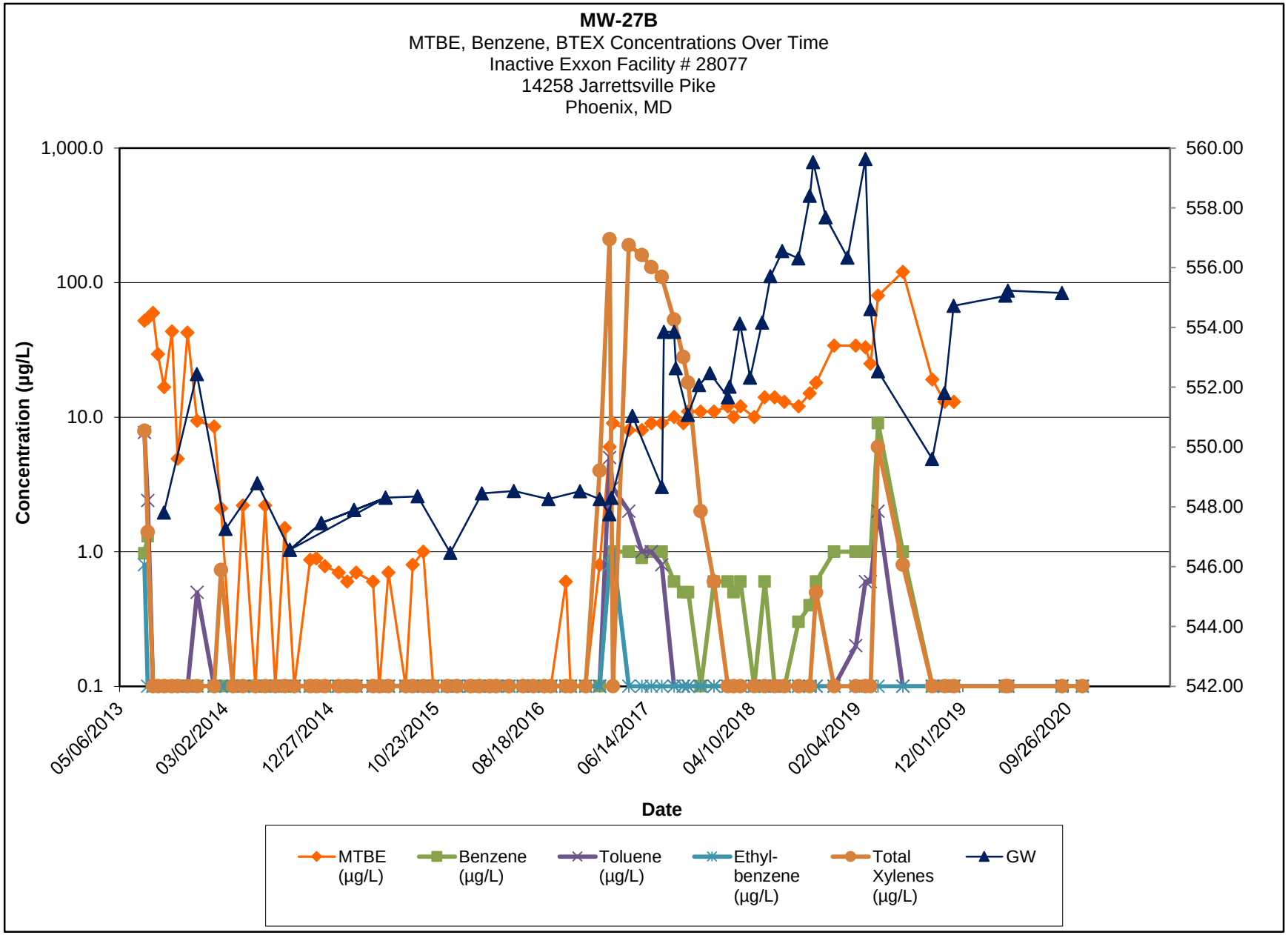
2.) [R] - indicates well was used for remediation at time of reporting.



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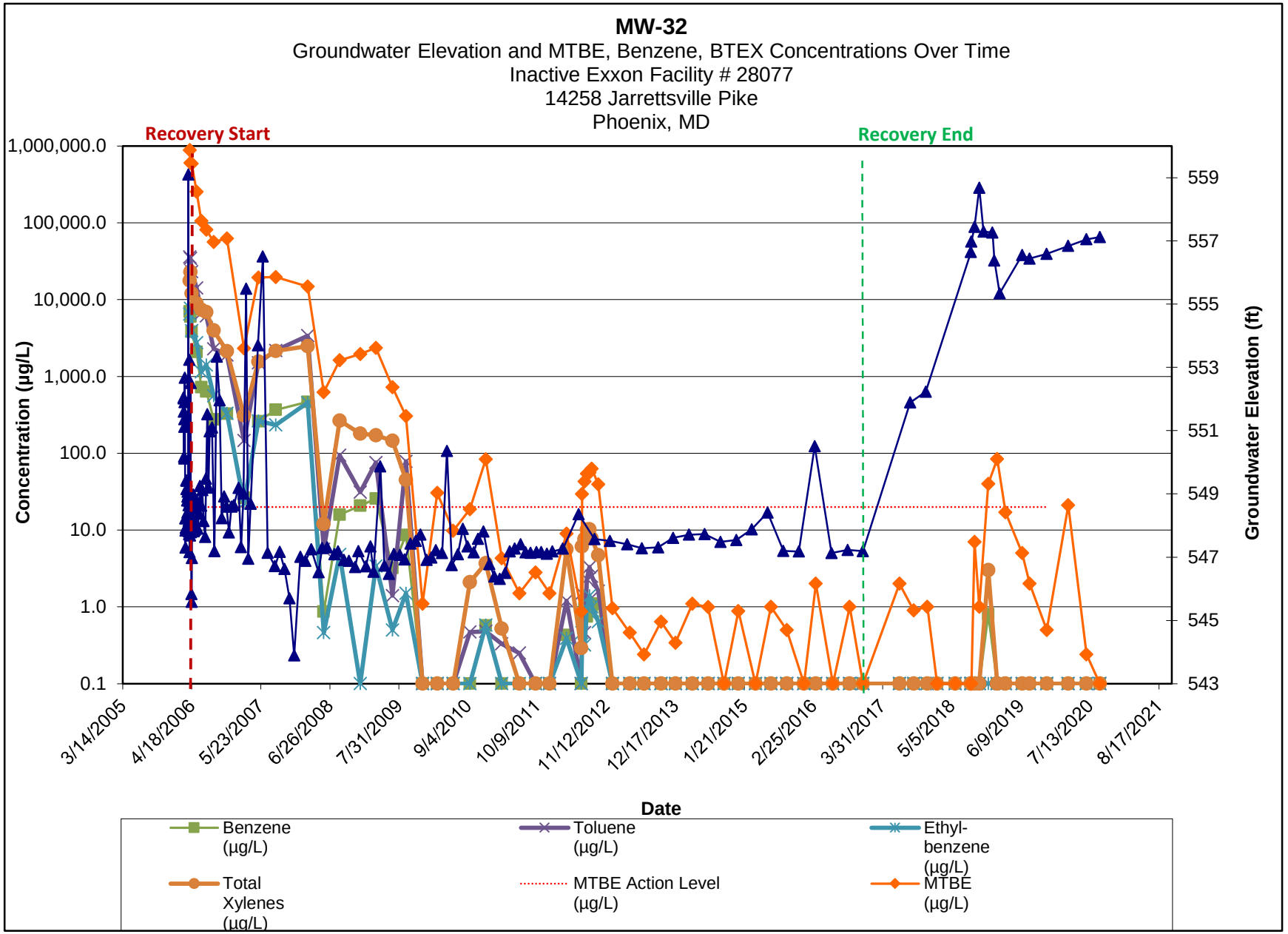

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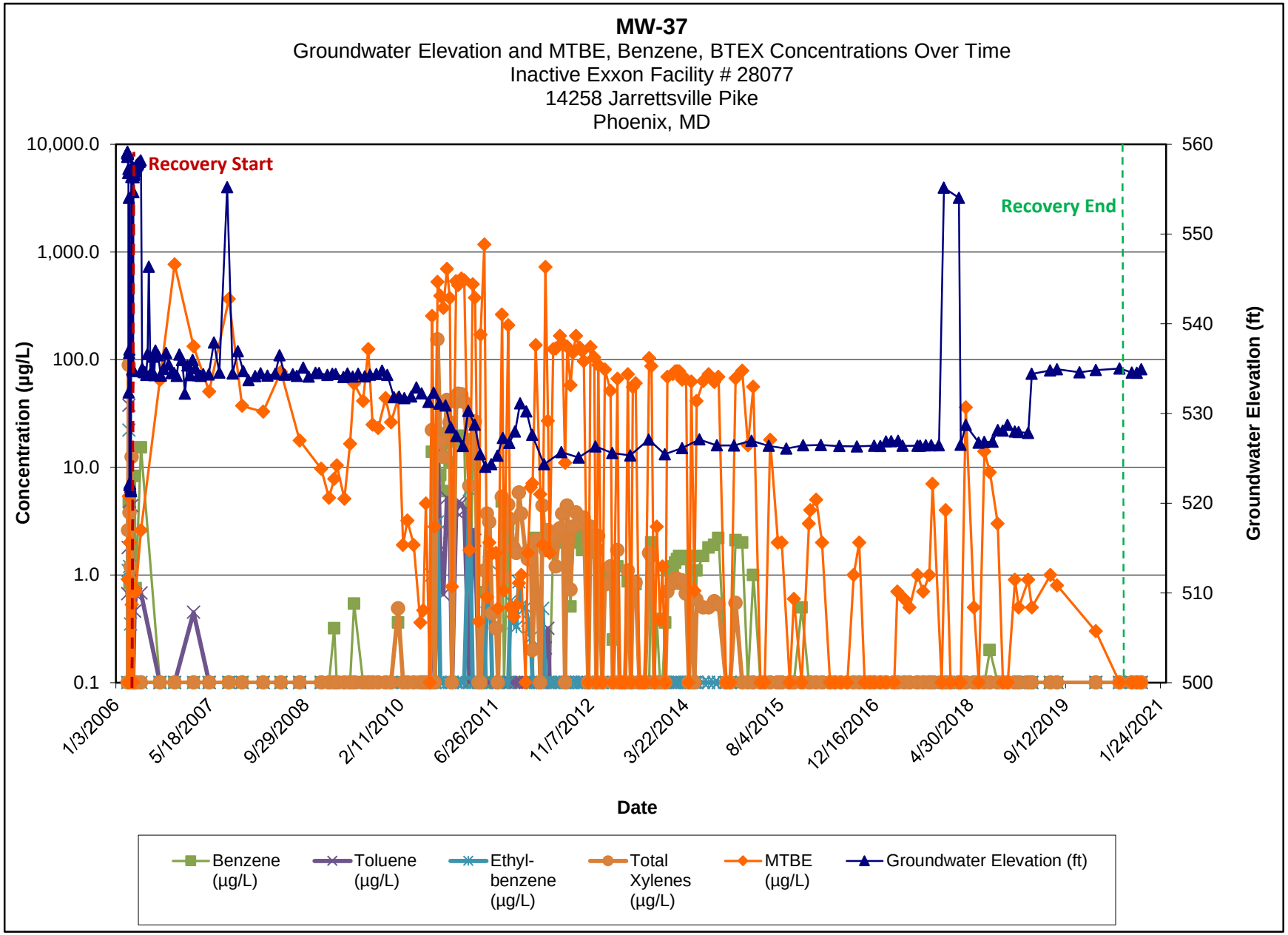

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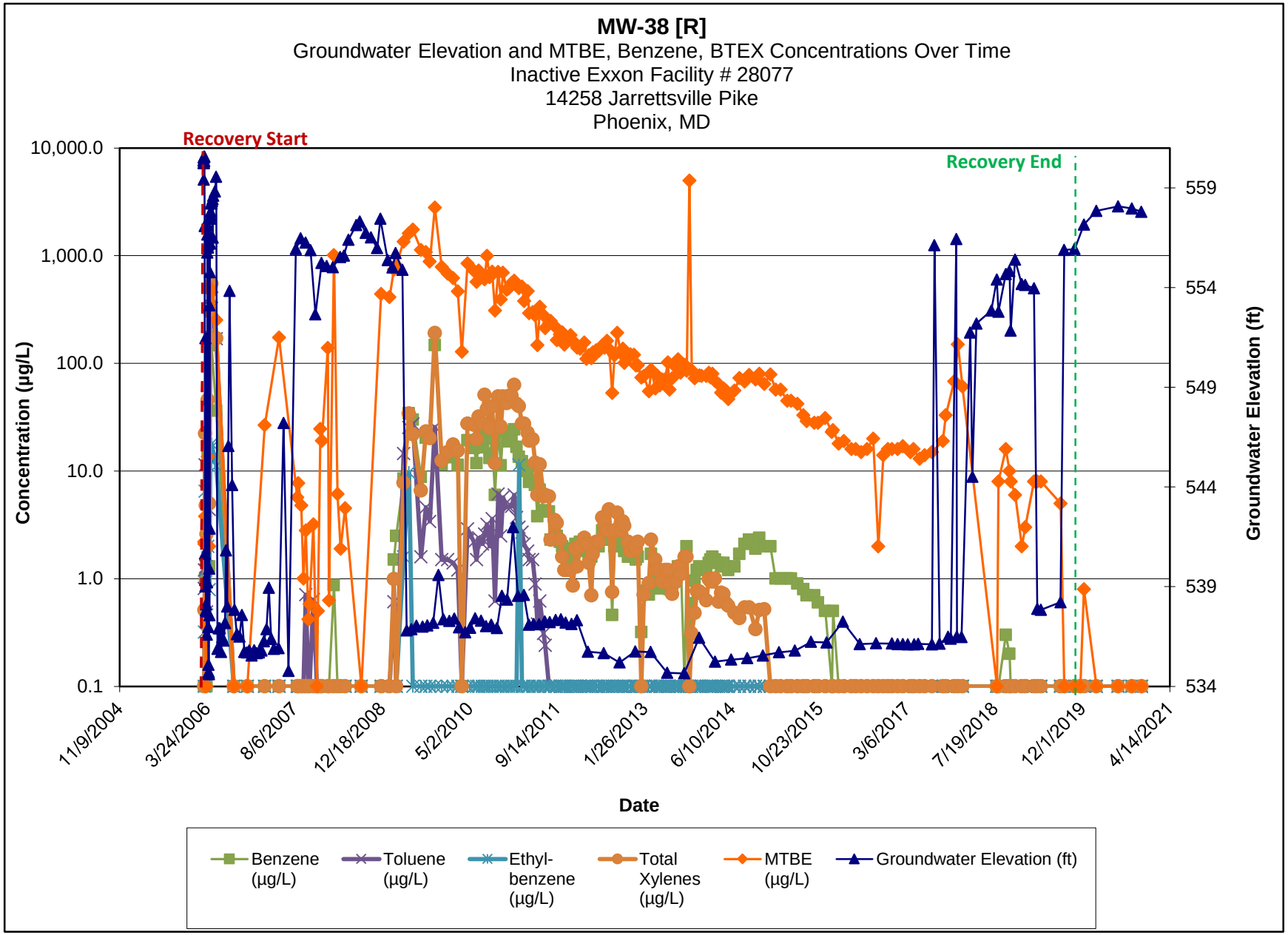

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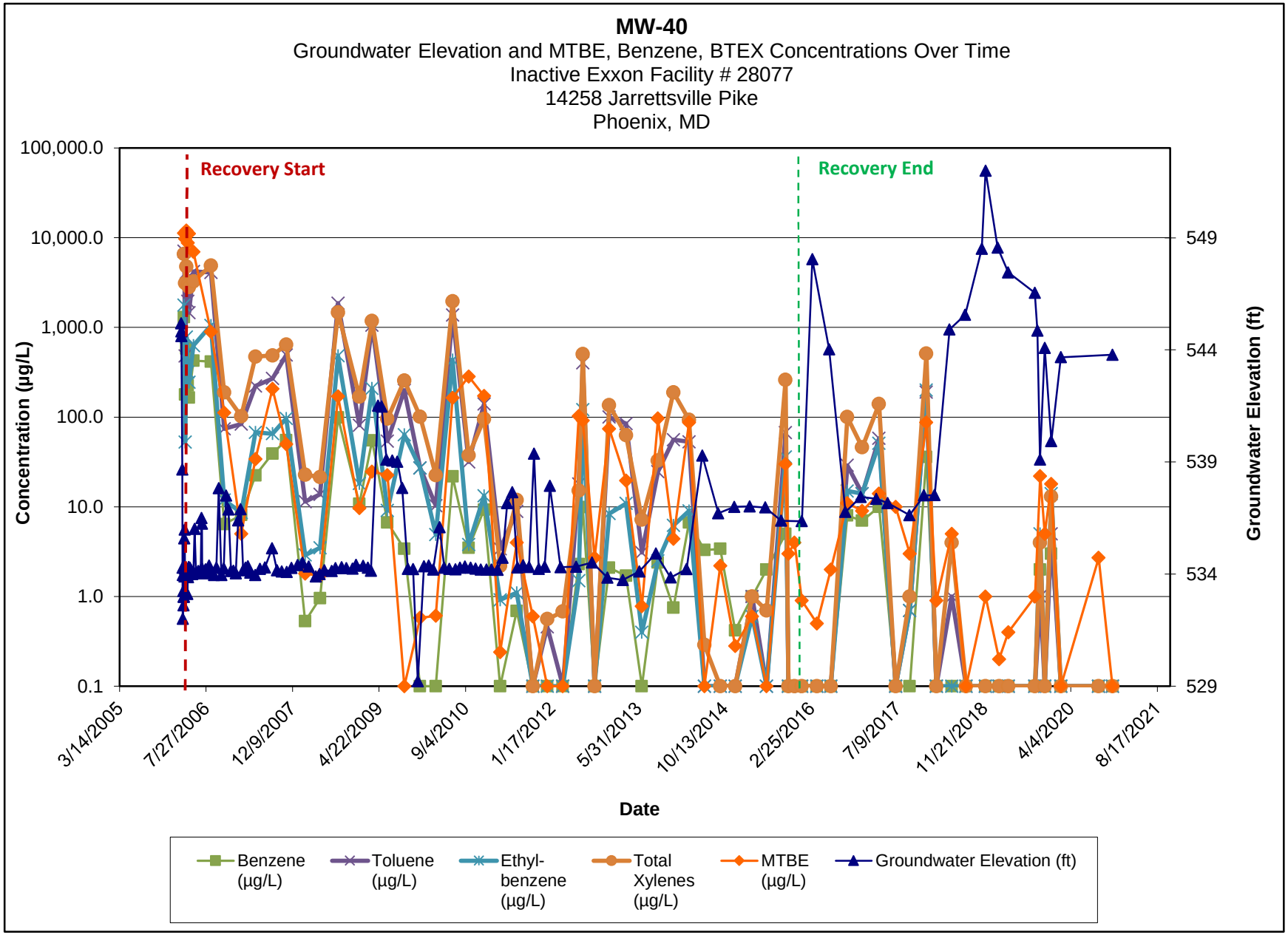

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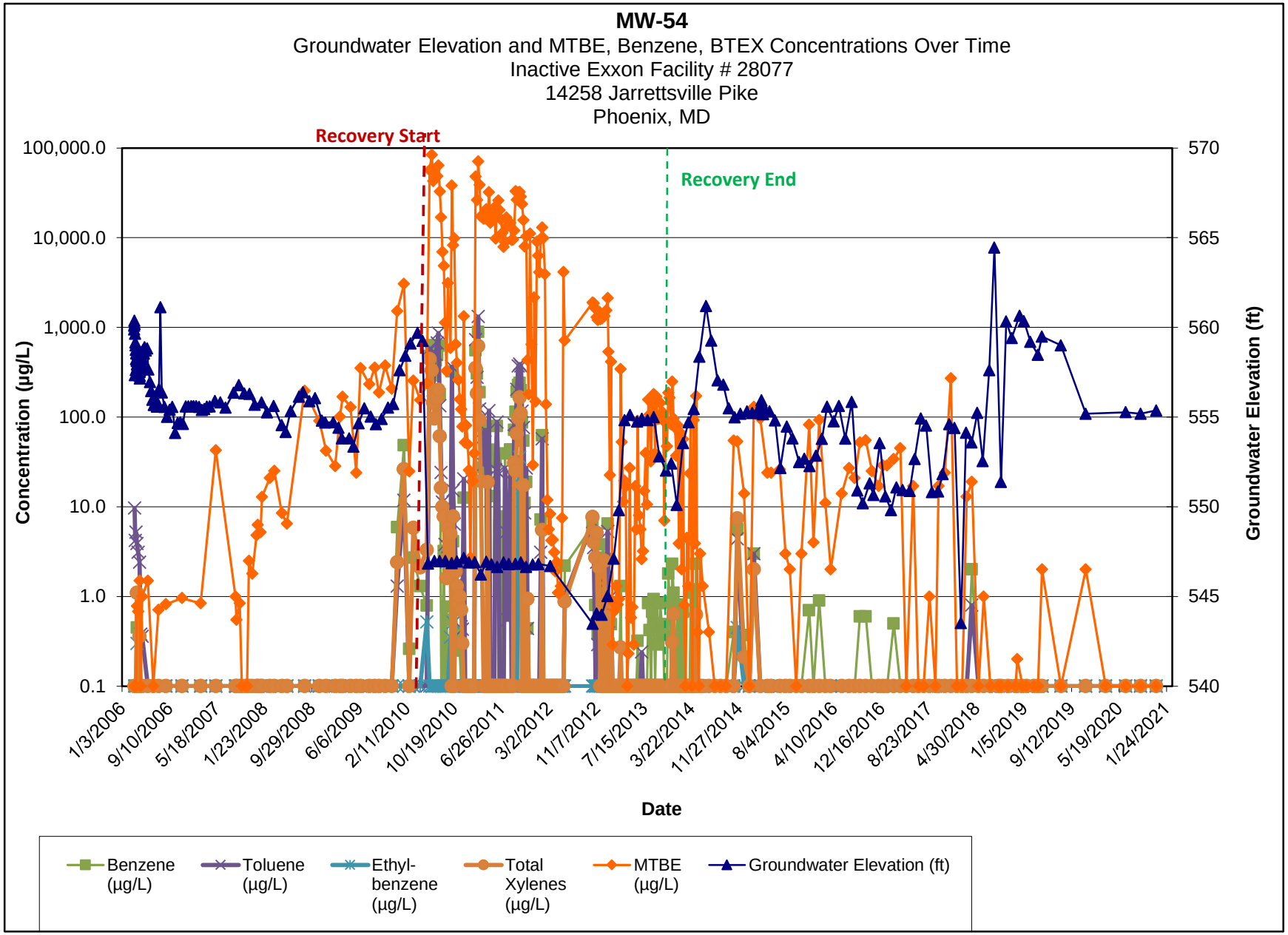

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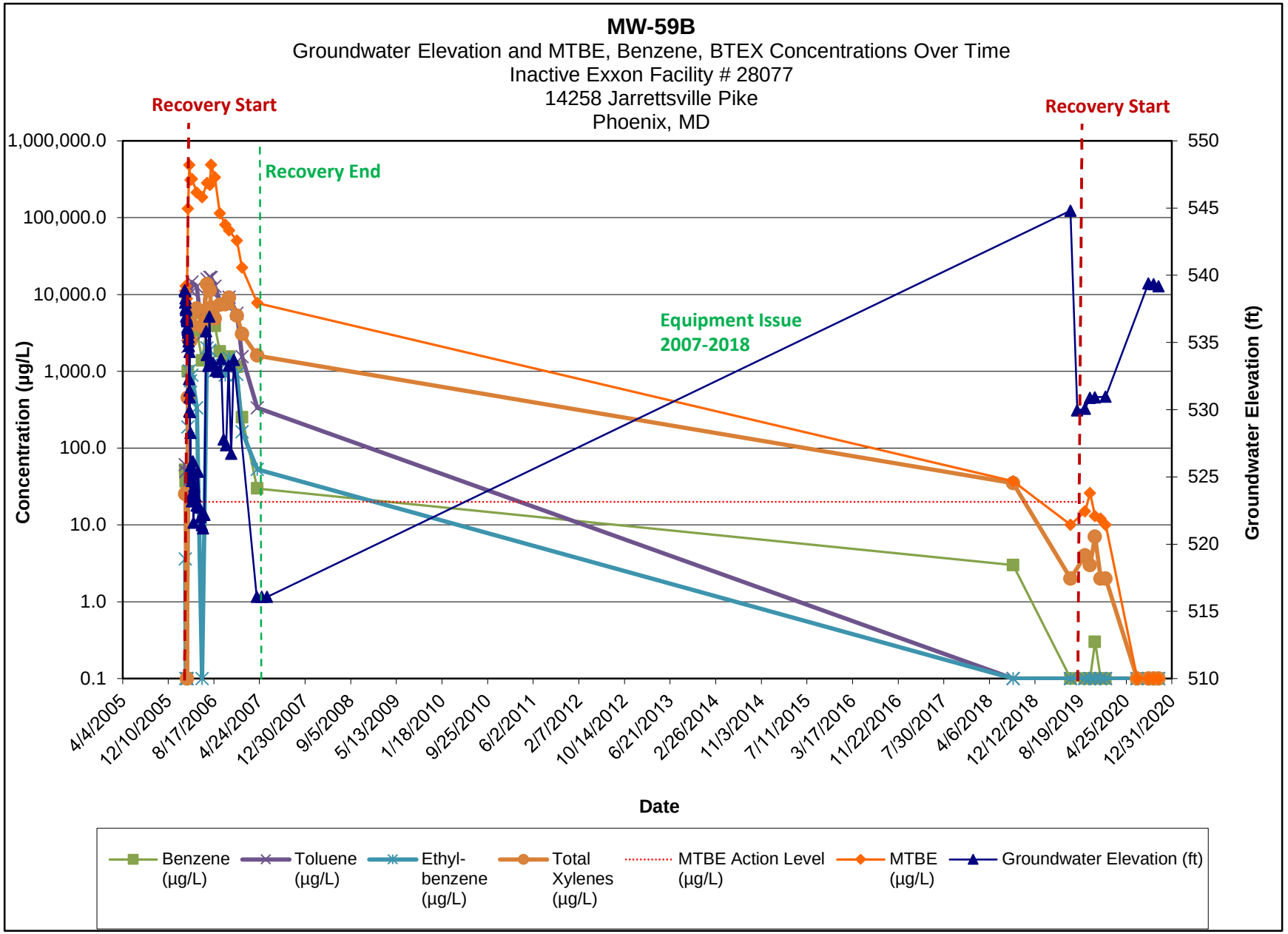

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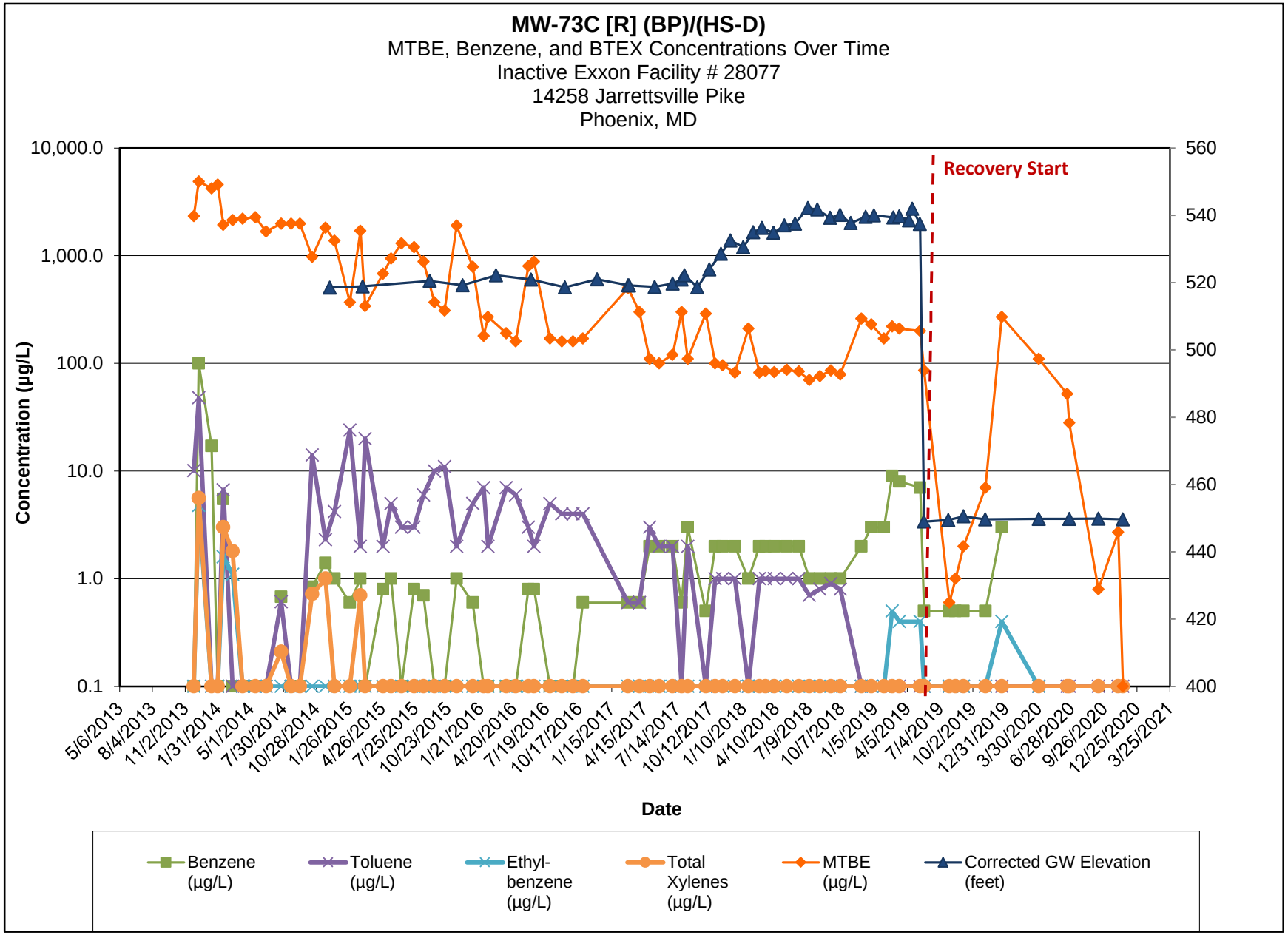

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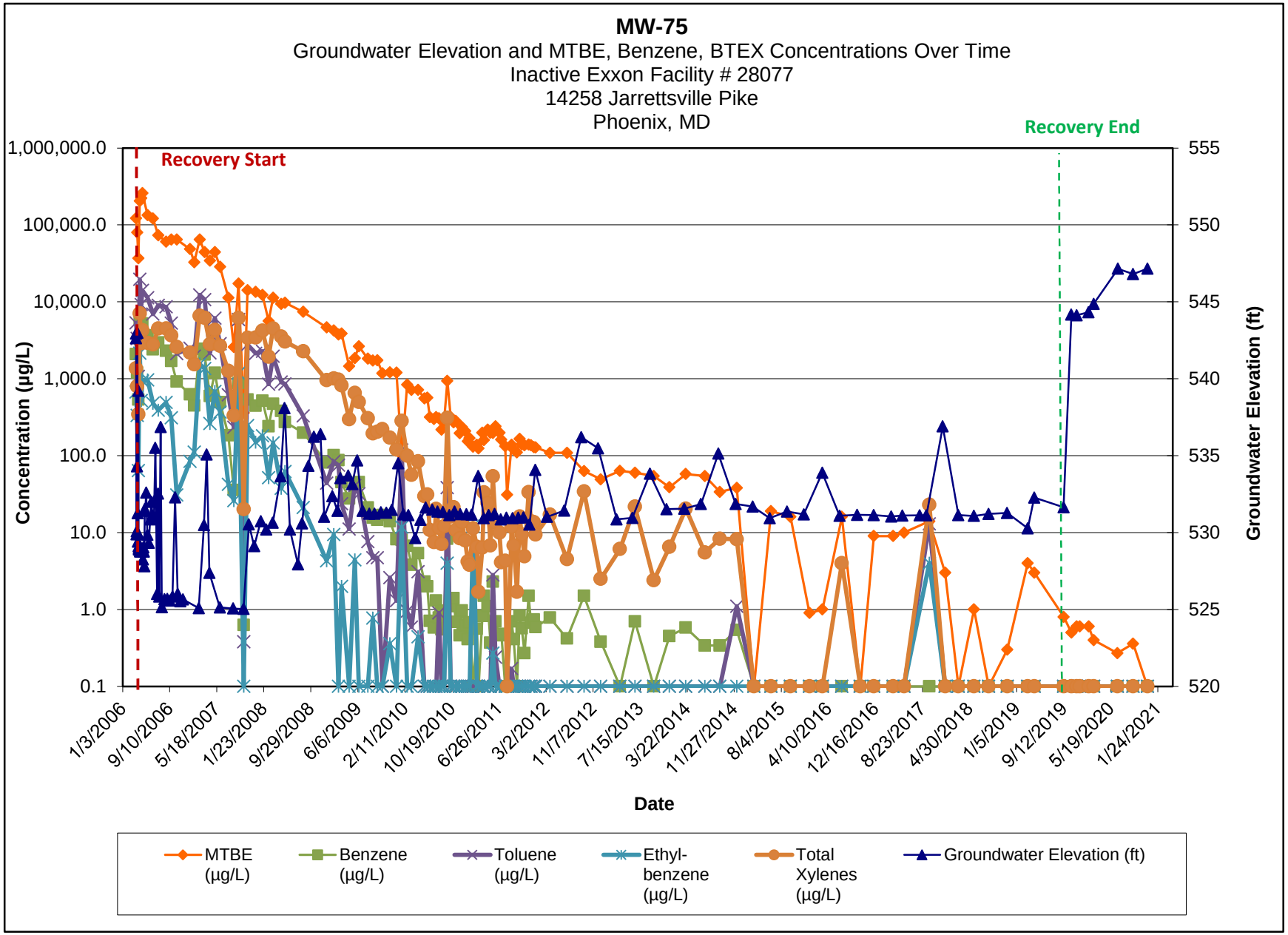

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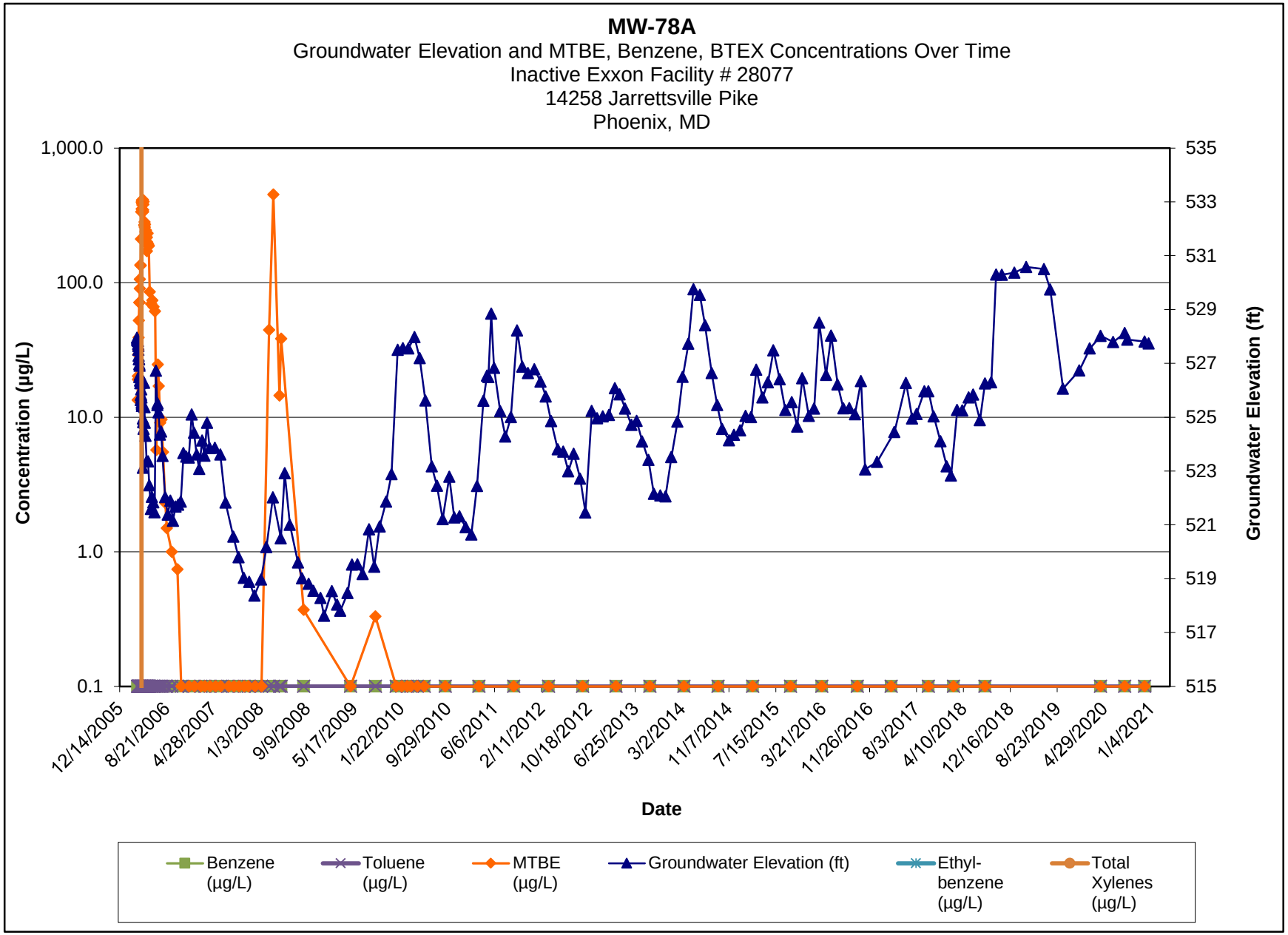

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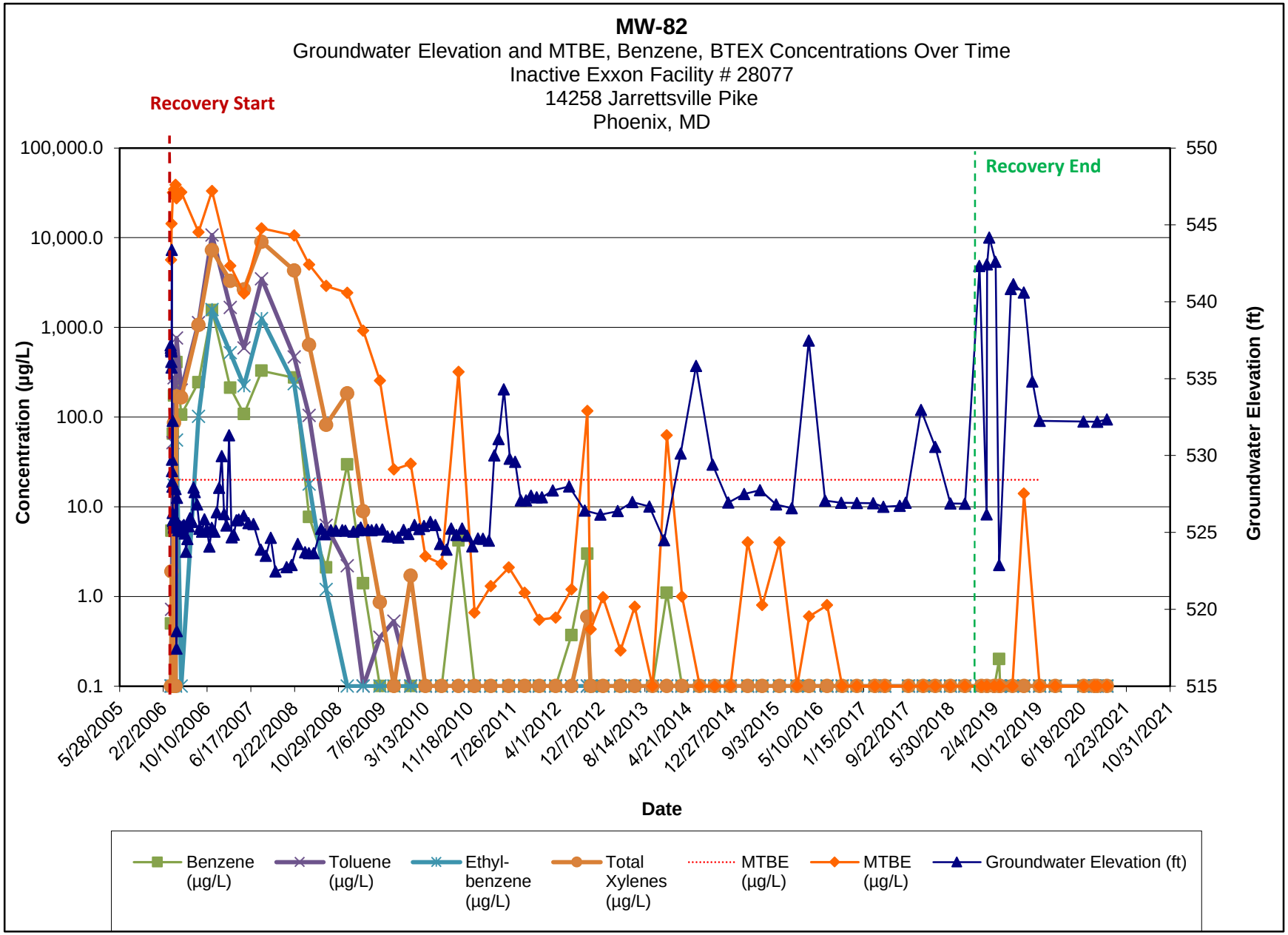

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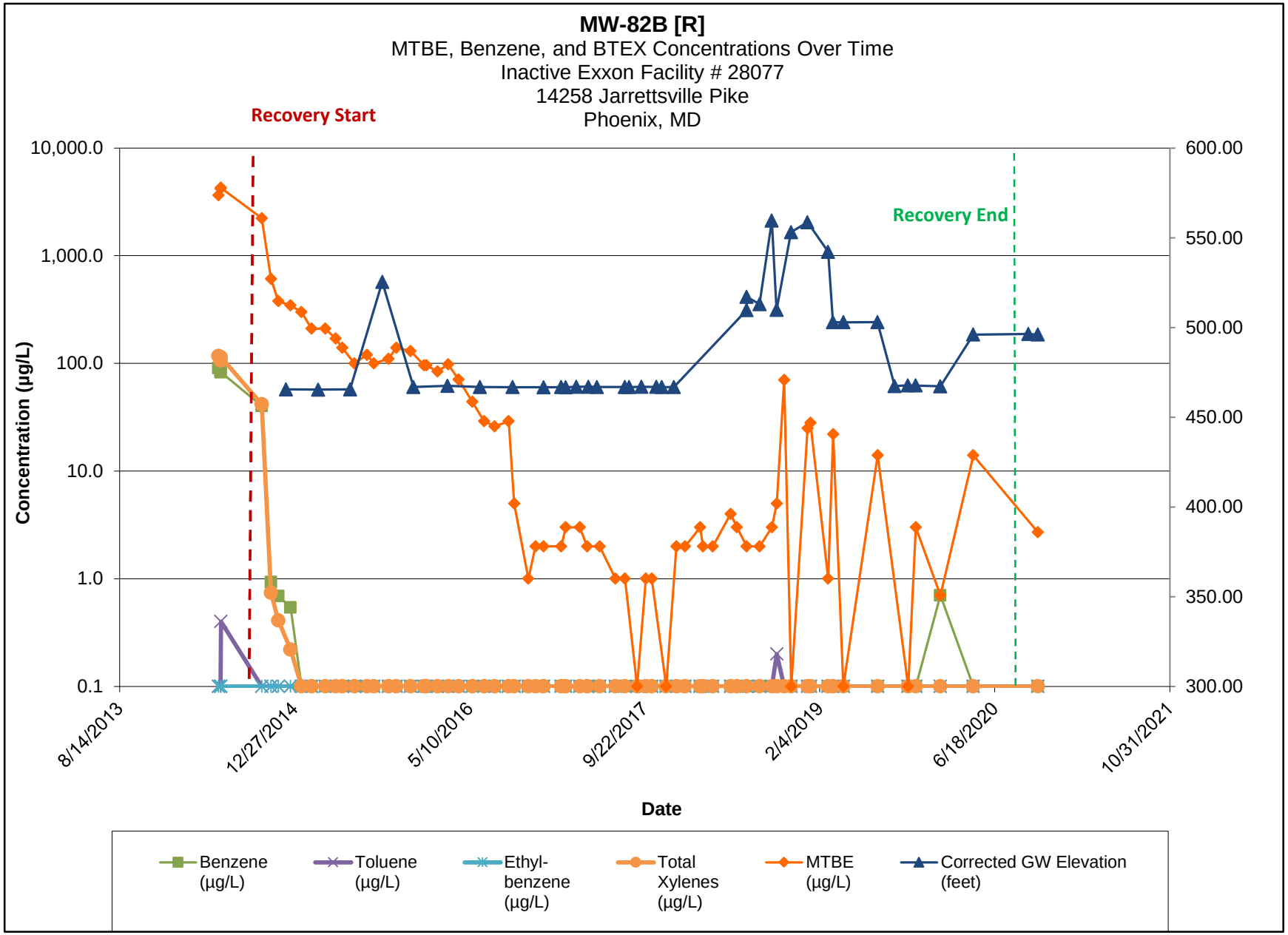

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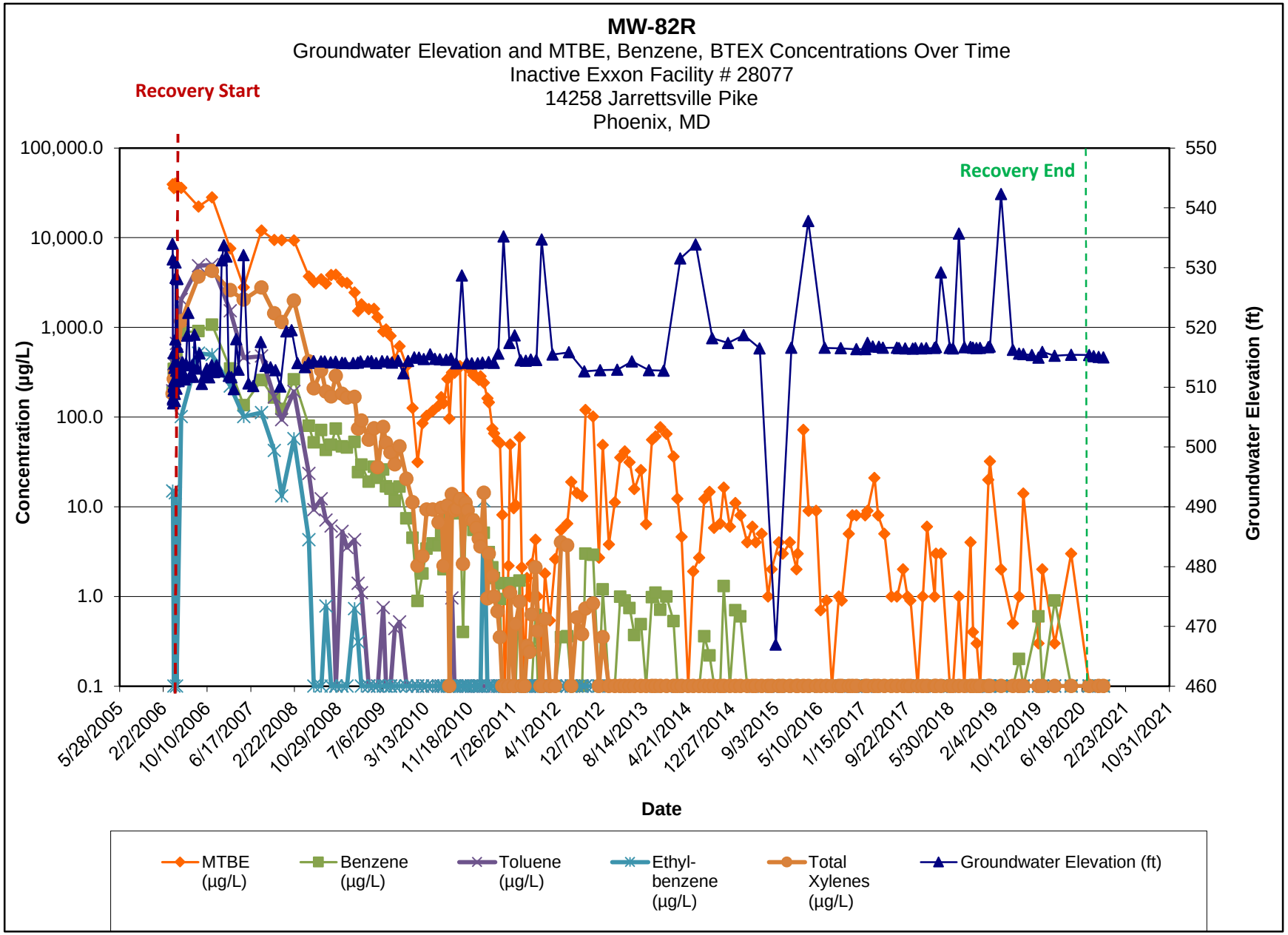

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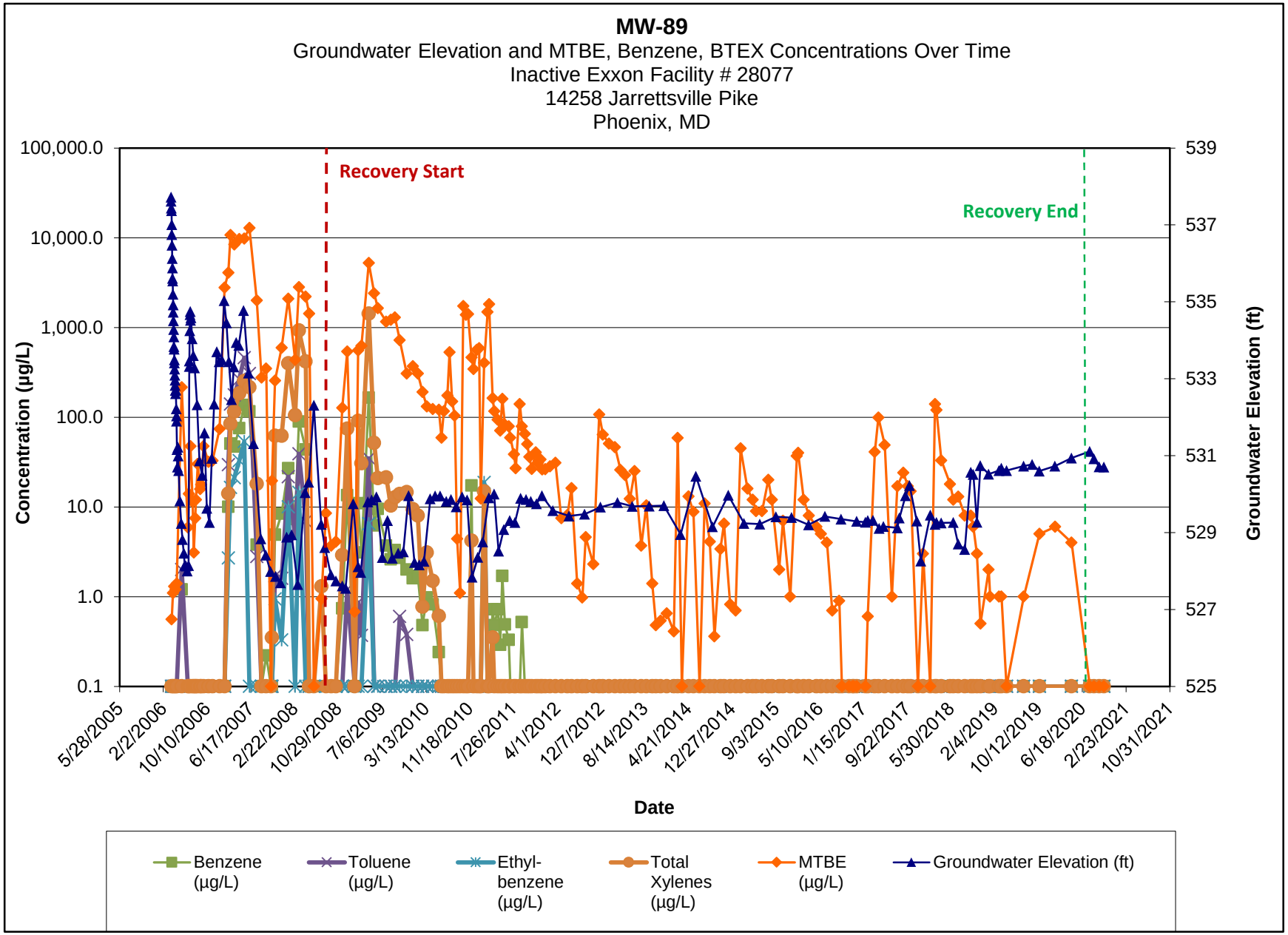

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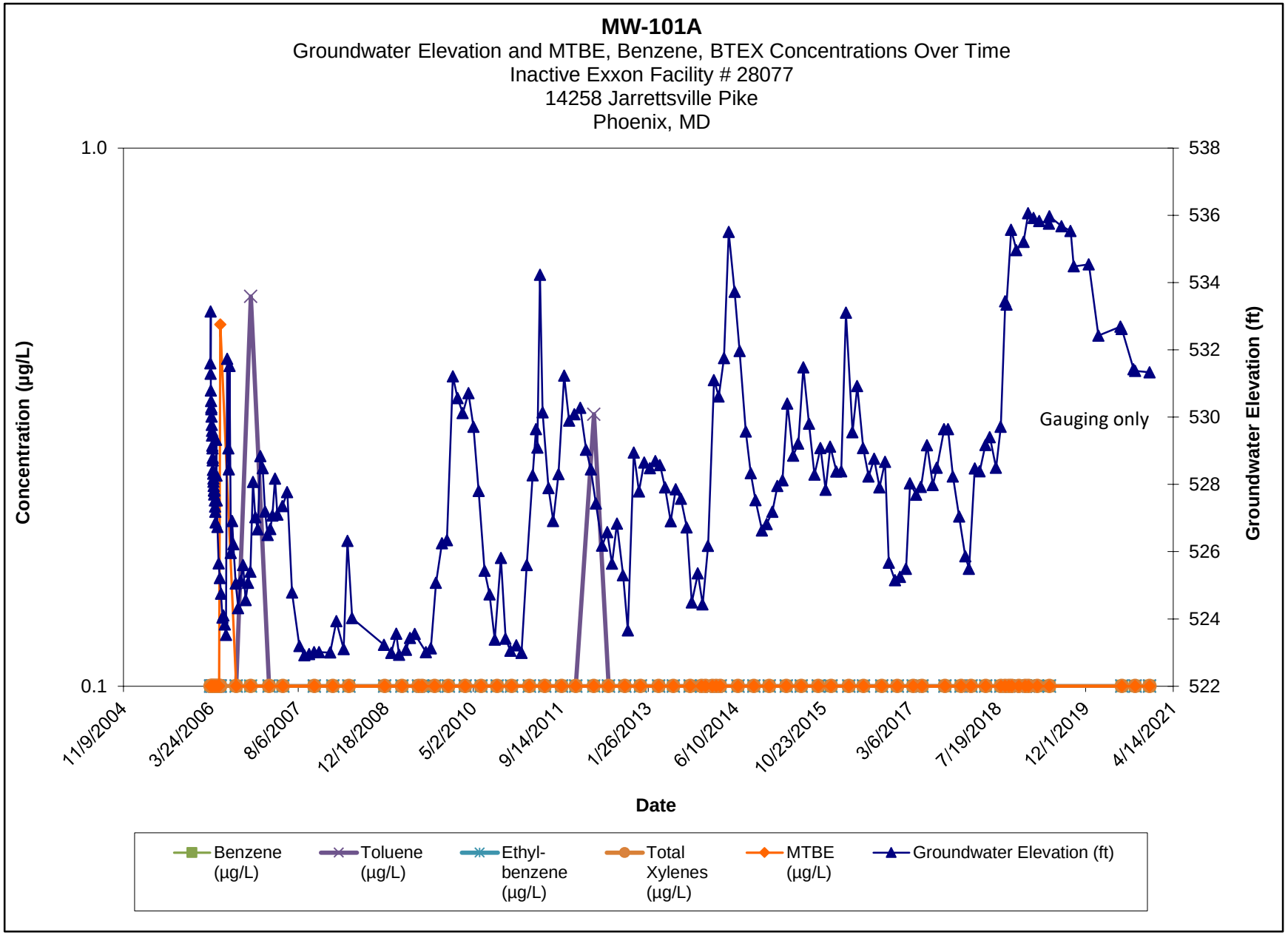

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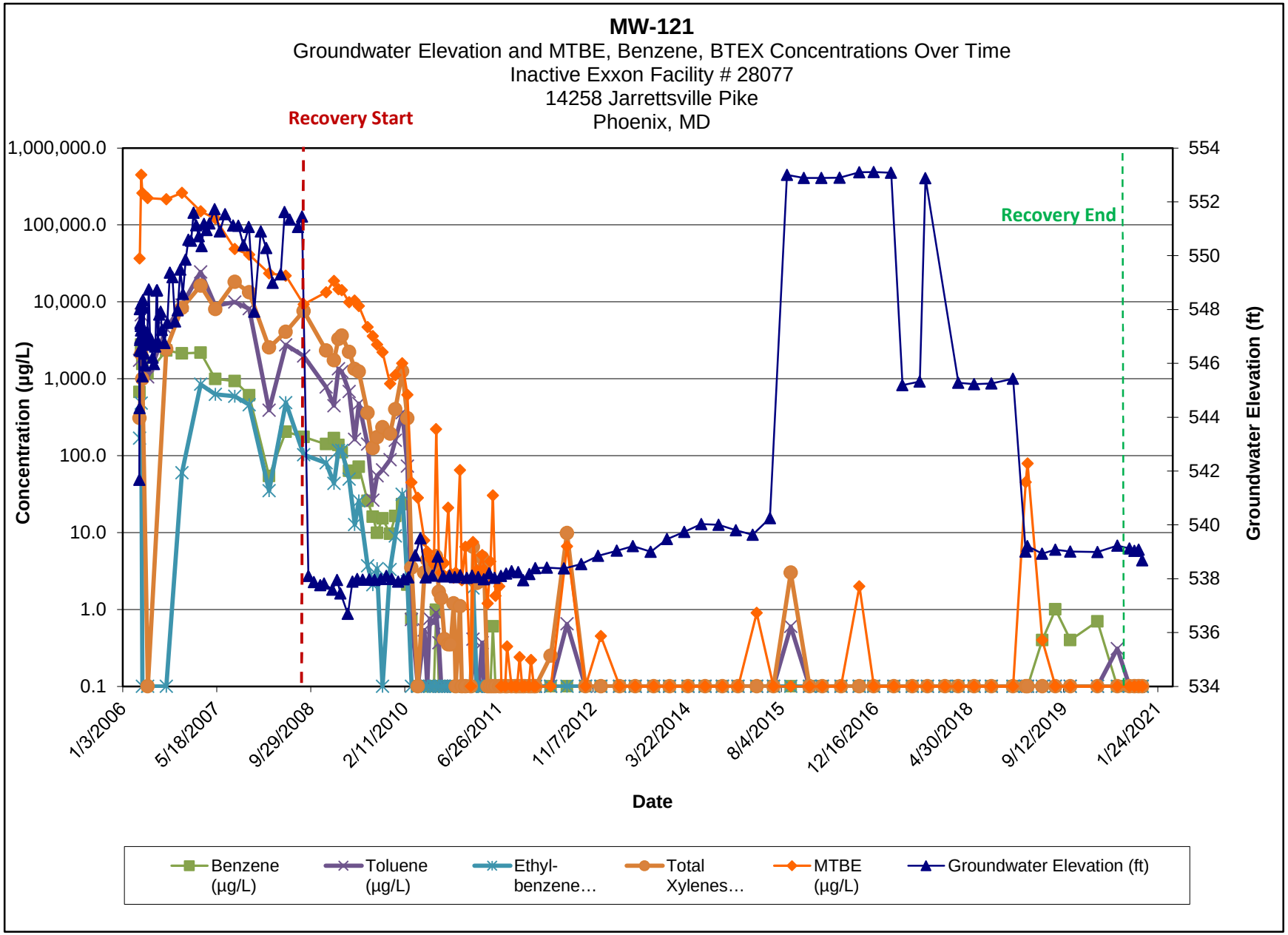
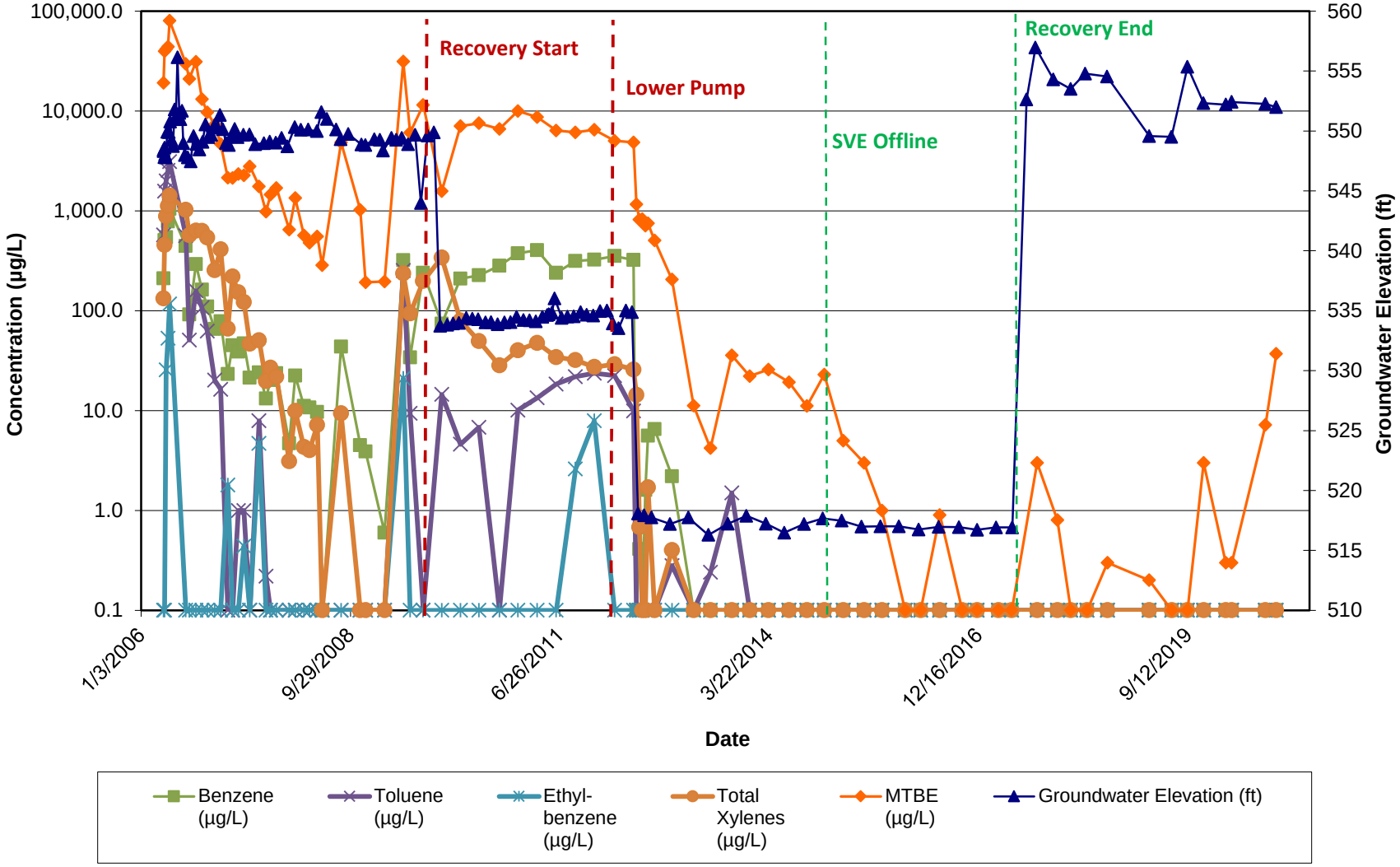


Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.

MW-139
Groundwater Elevation and MTBE, Benzene, BTEX Concentrations Over Time
Inactive Exxon Facility # 28077
14258 Jarrettsville Pike
Phoenix, MD



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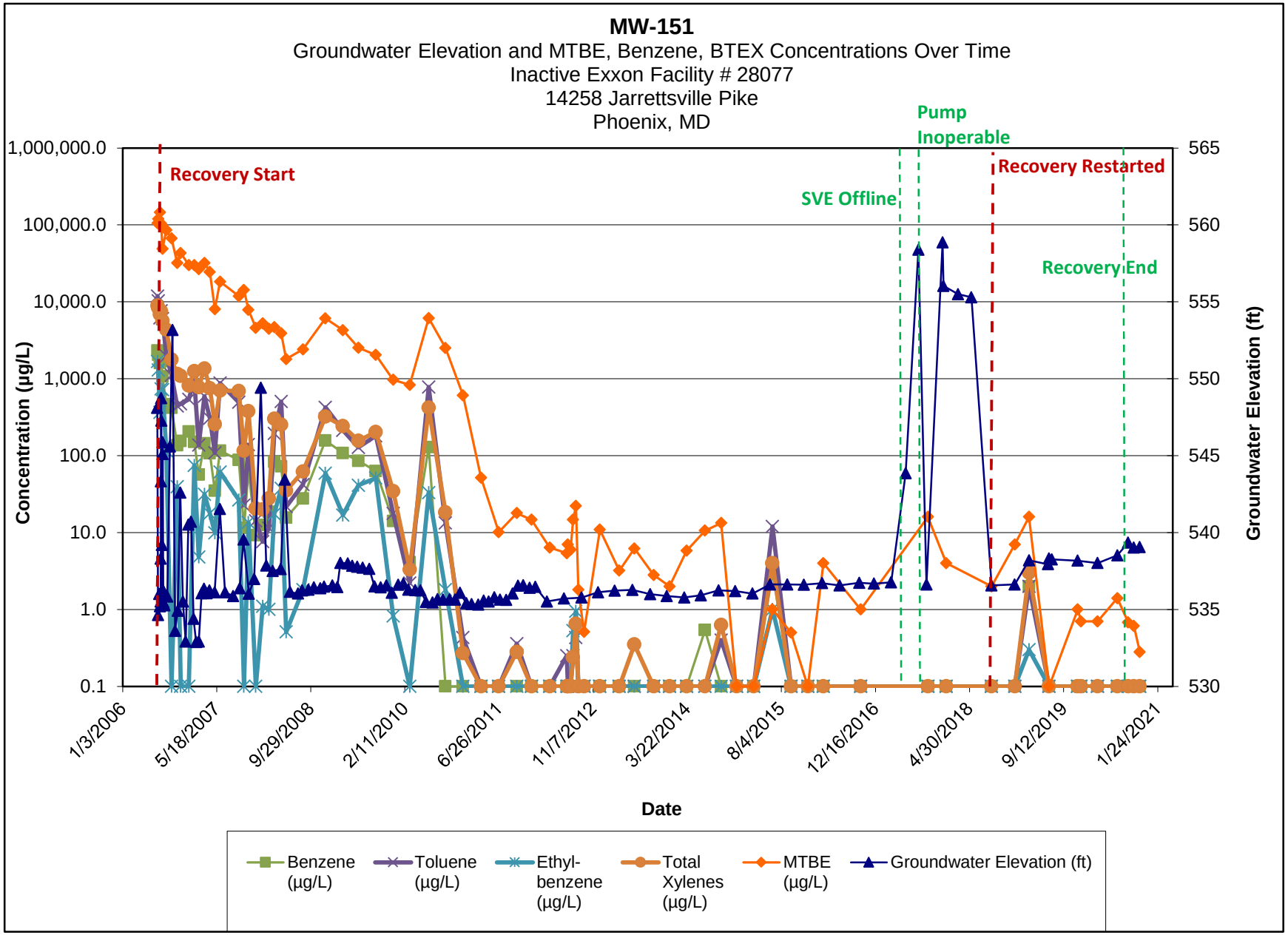

Note:
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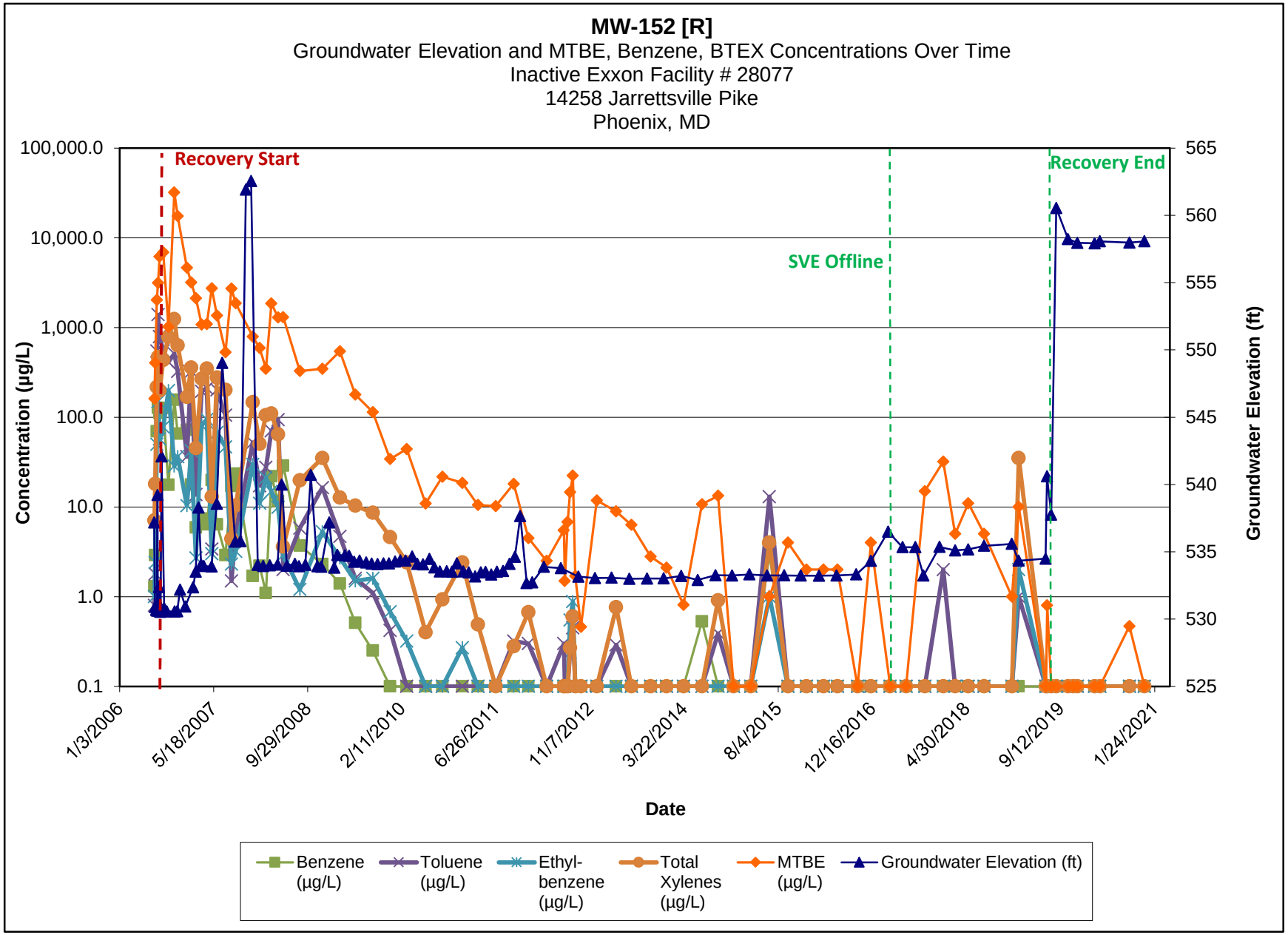

Note:
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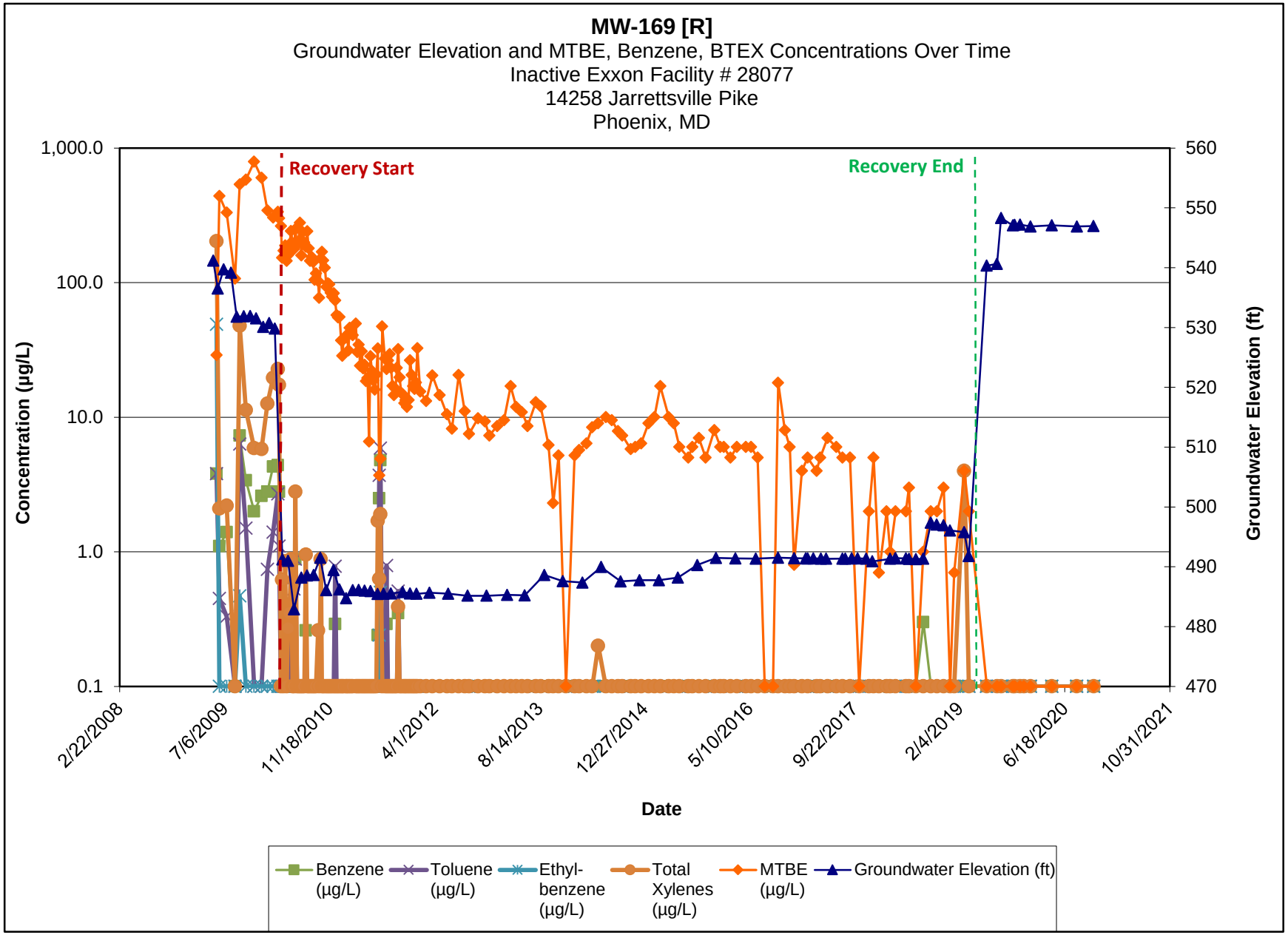

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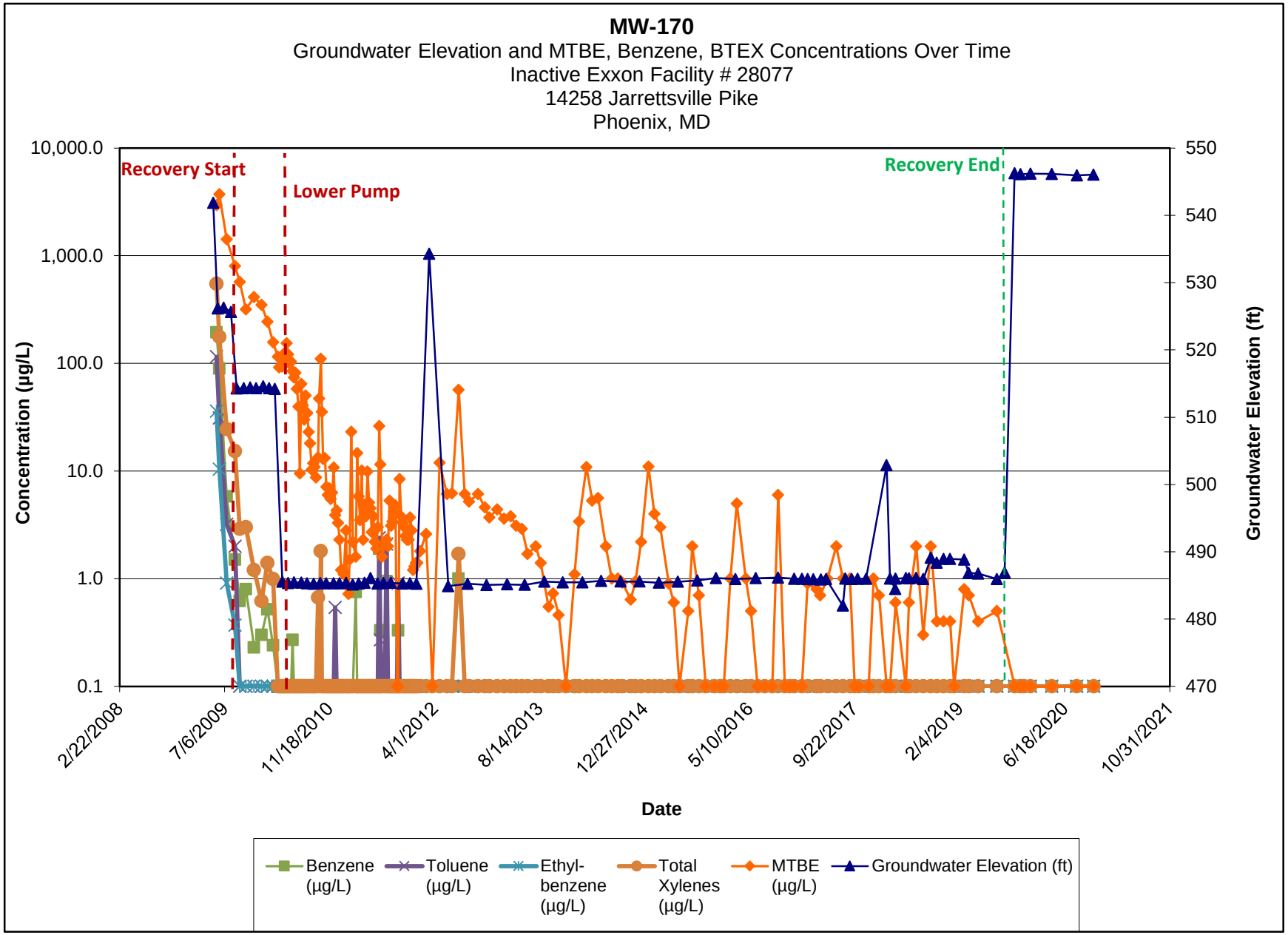

Note:
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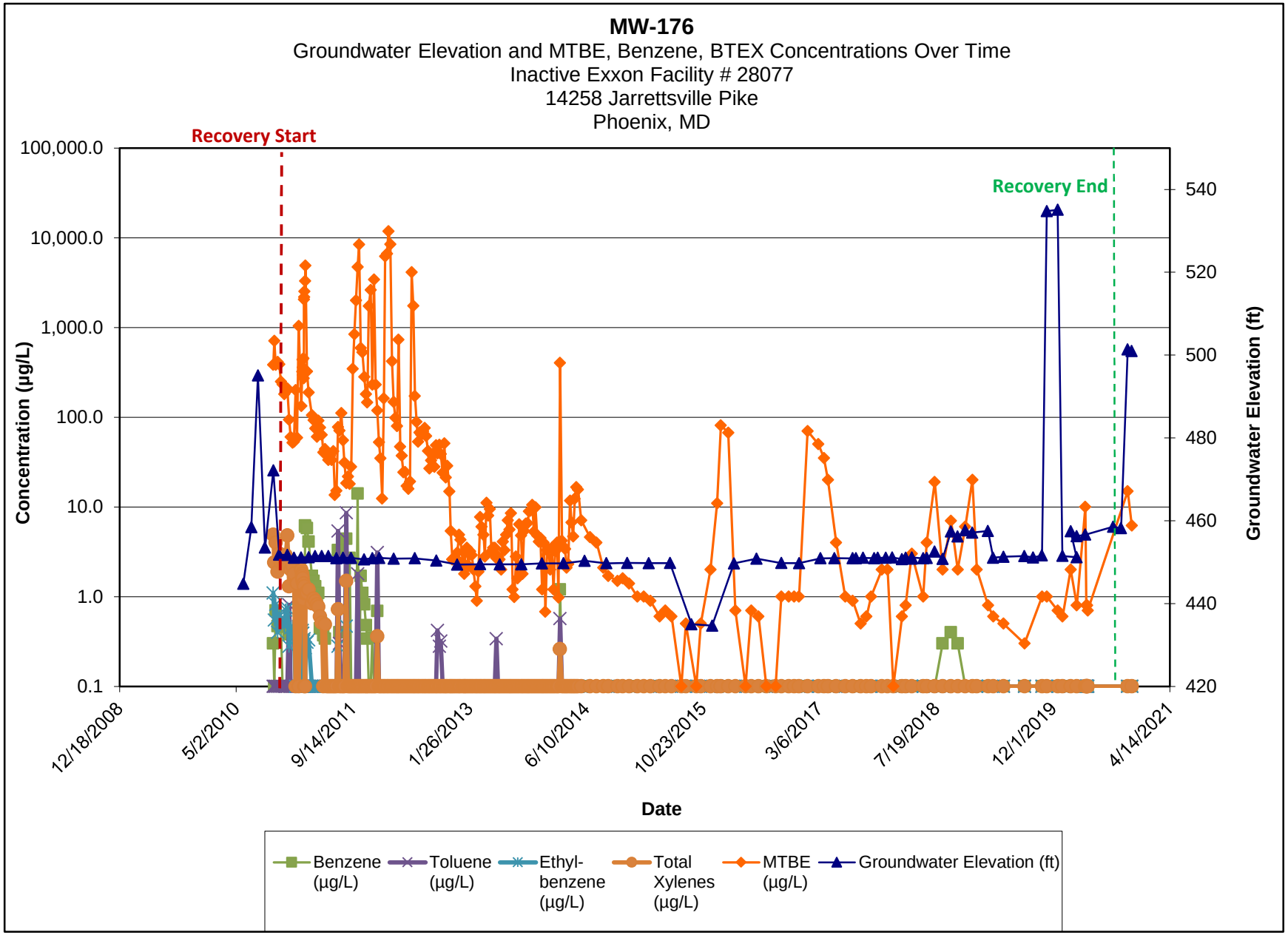

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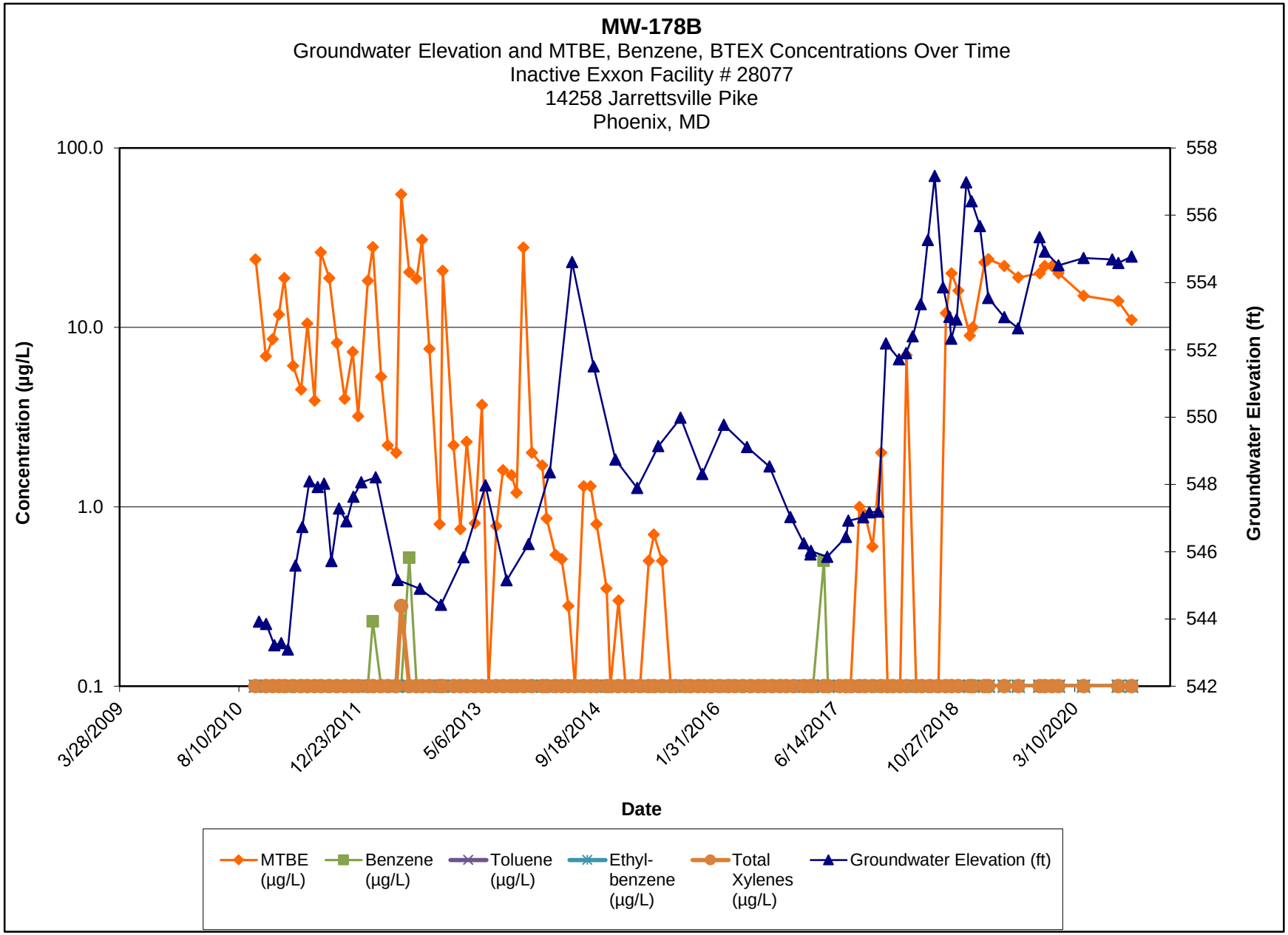
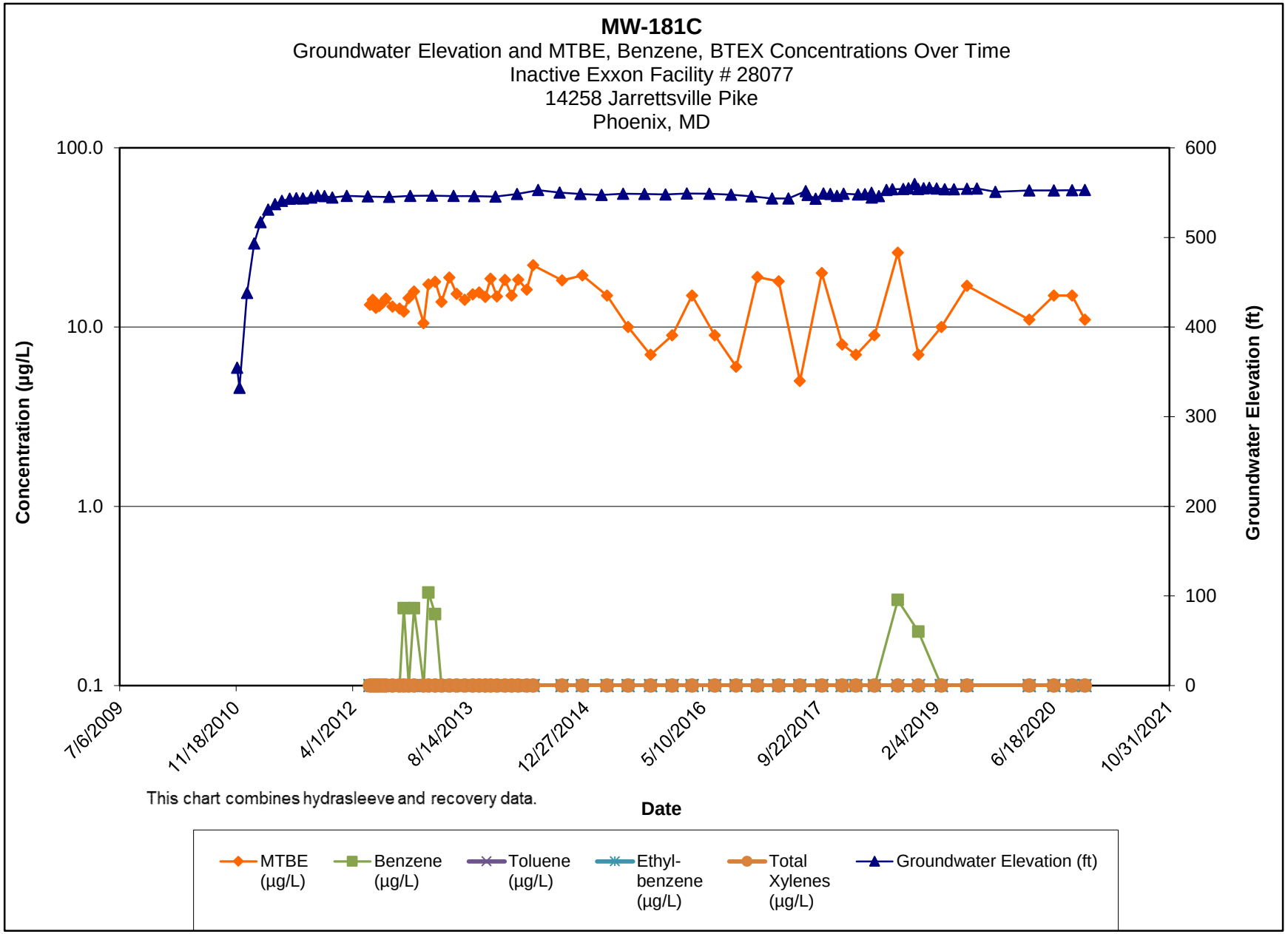


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



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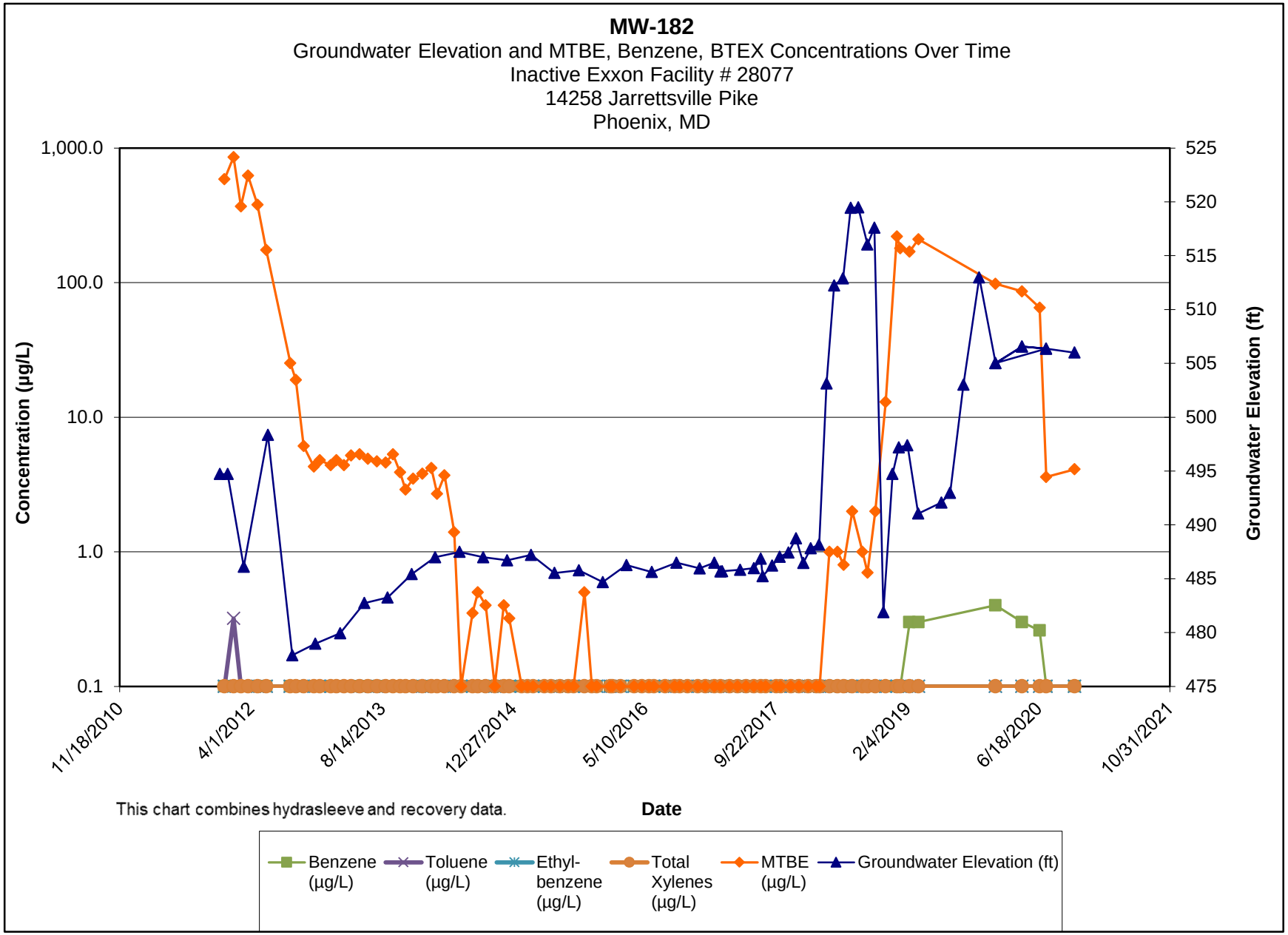

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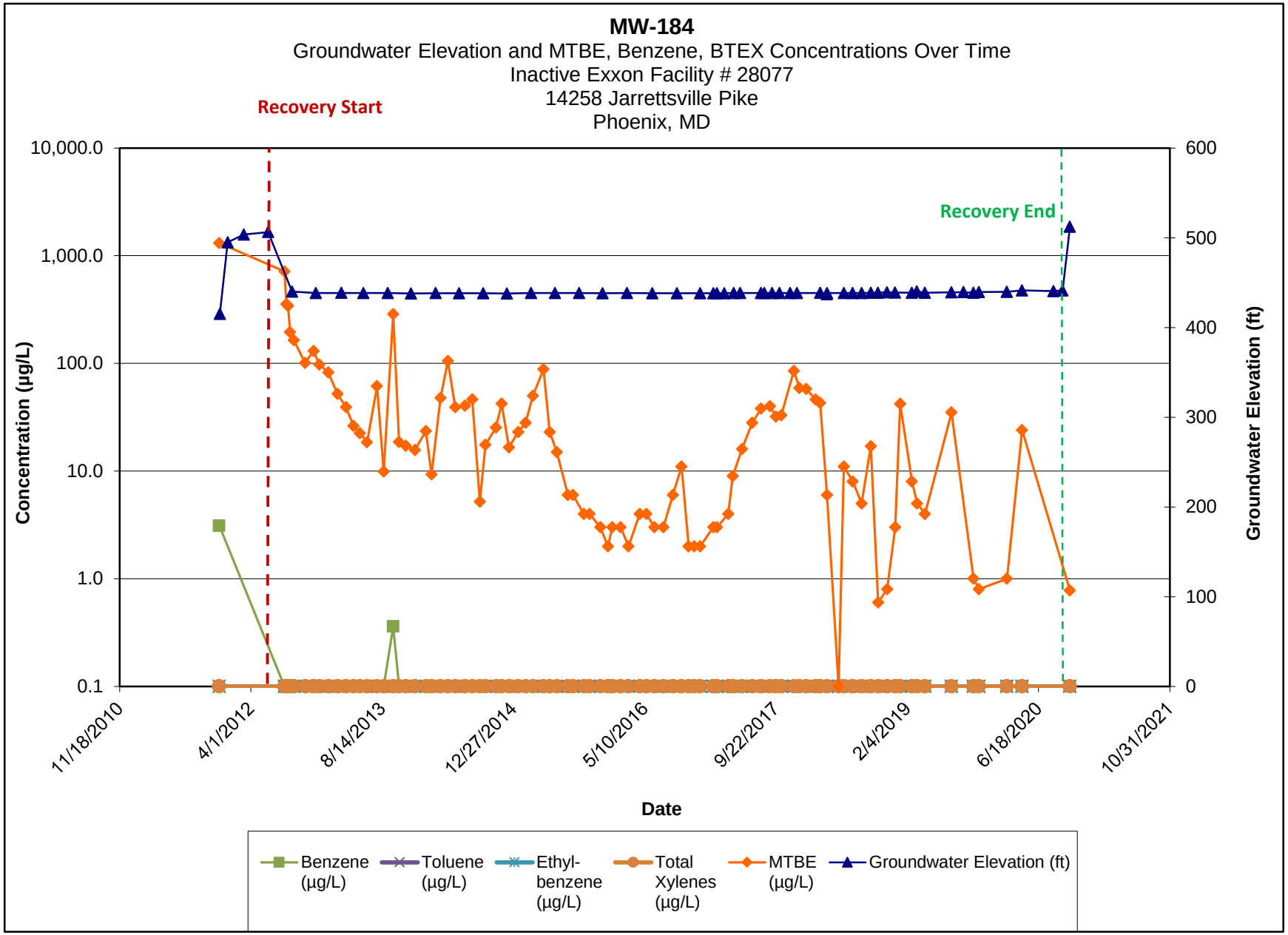

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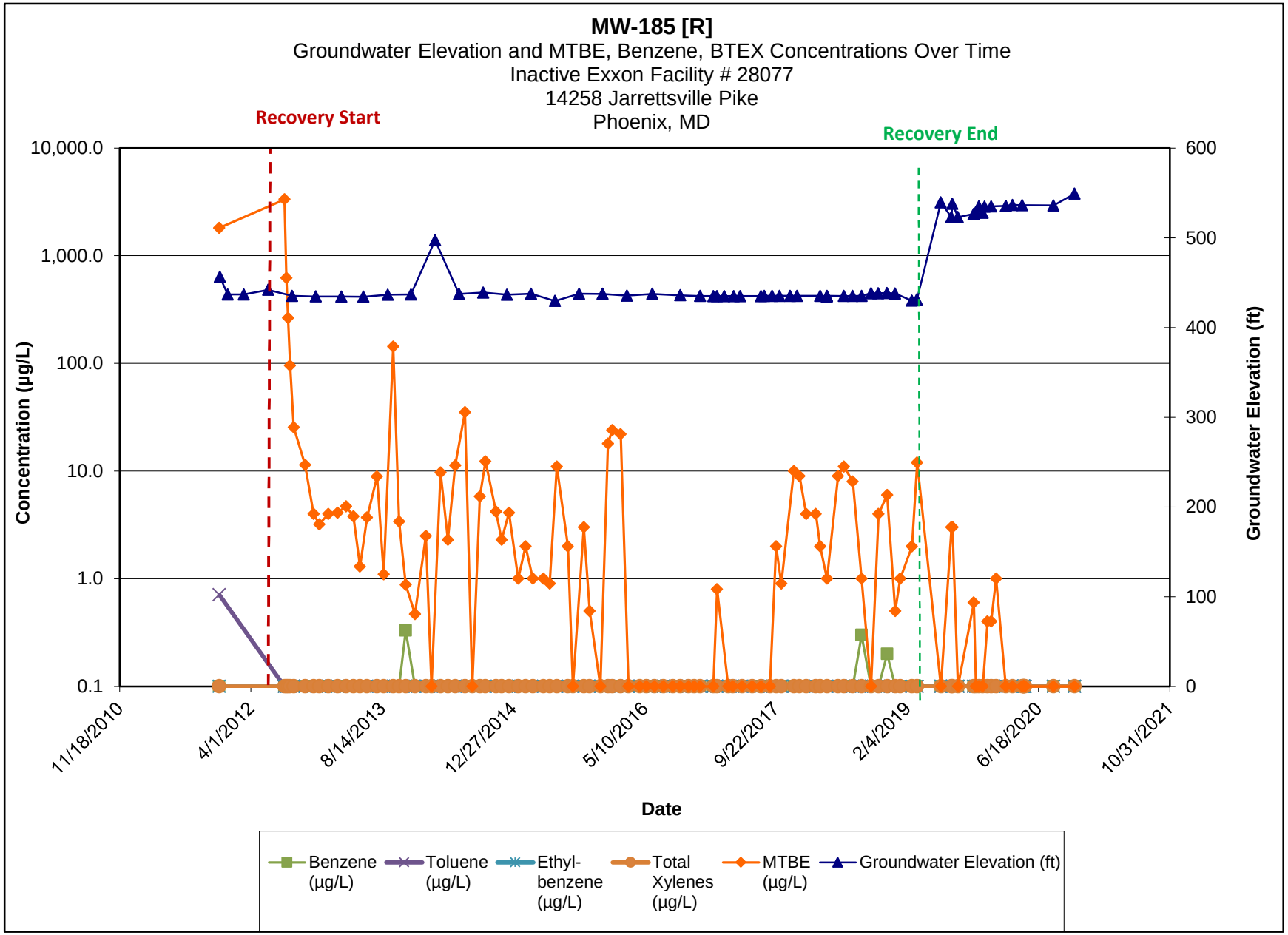

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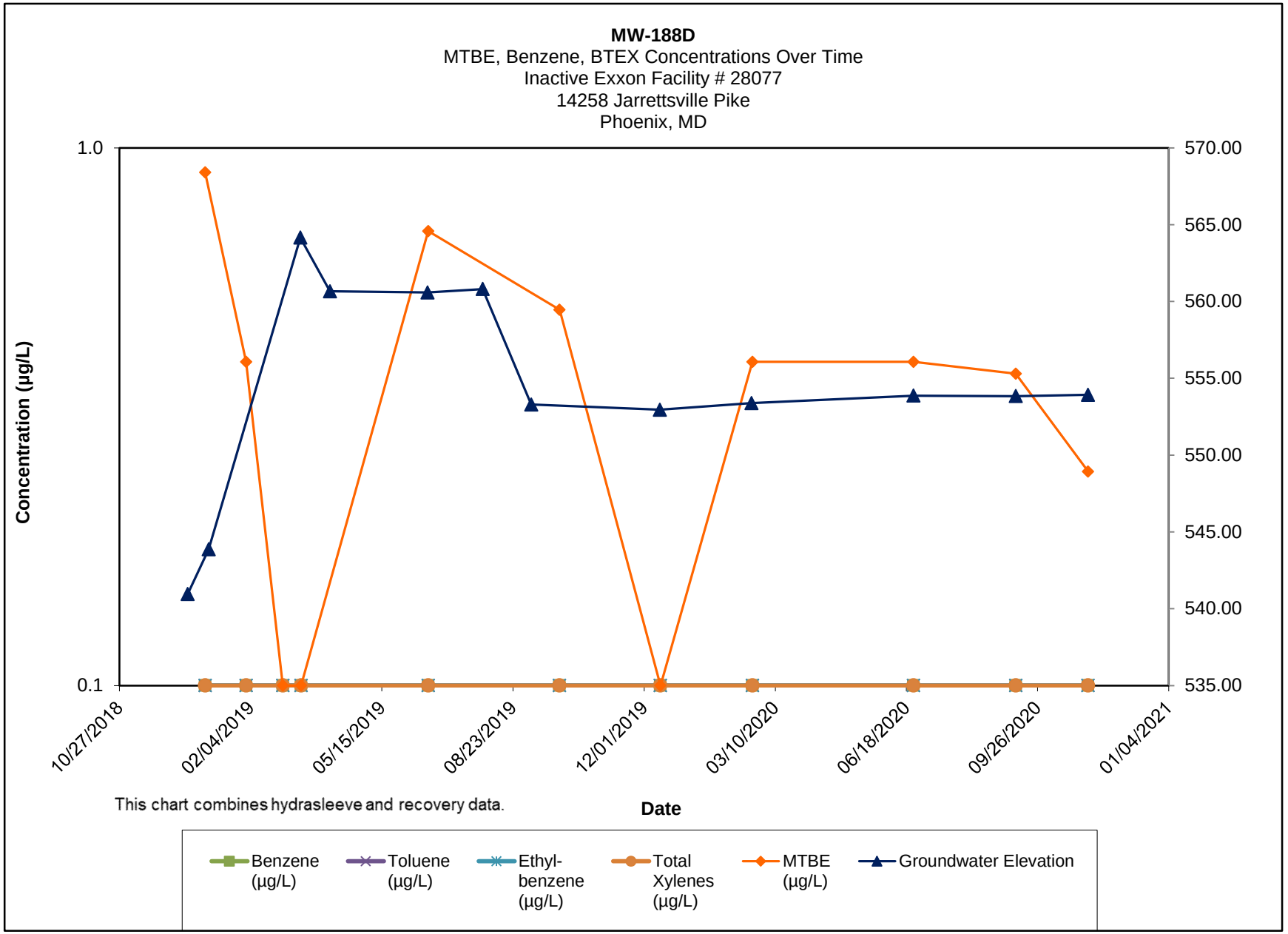

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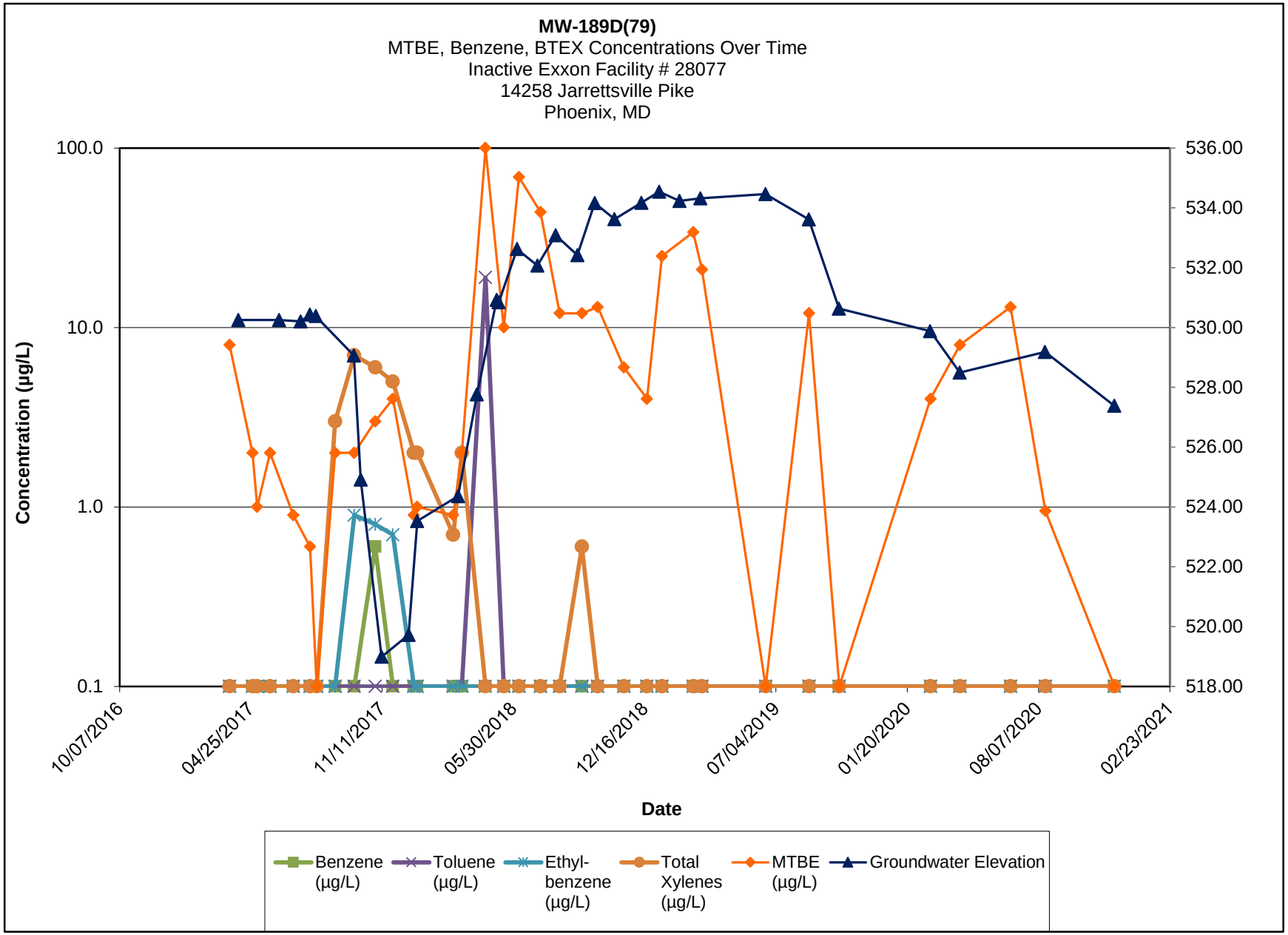

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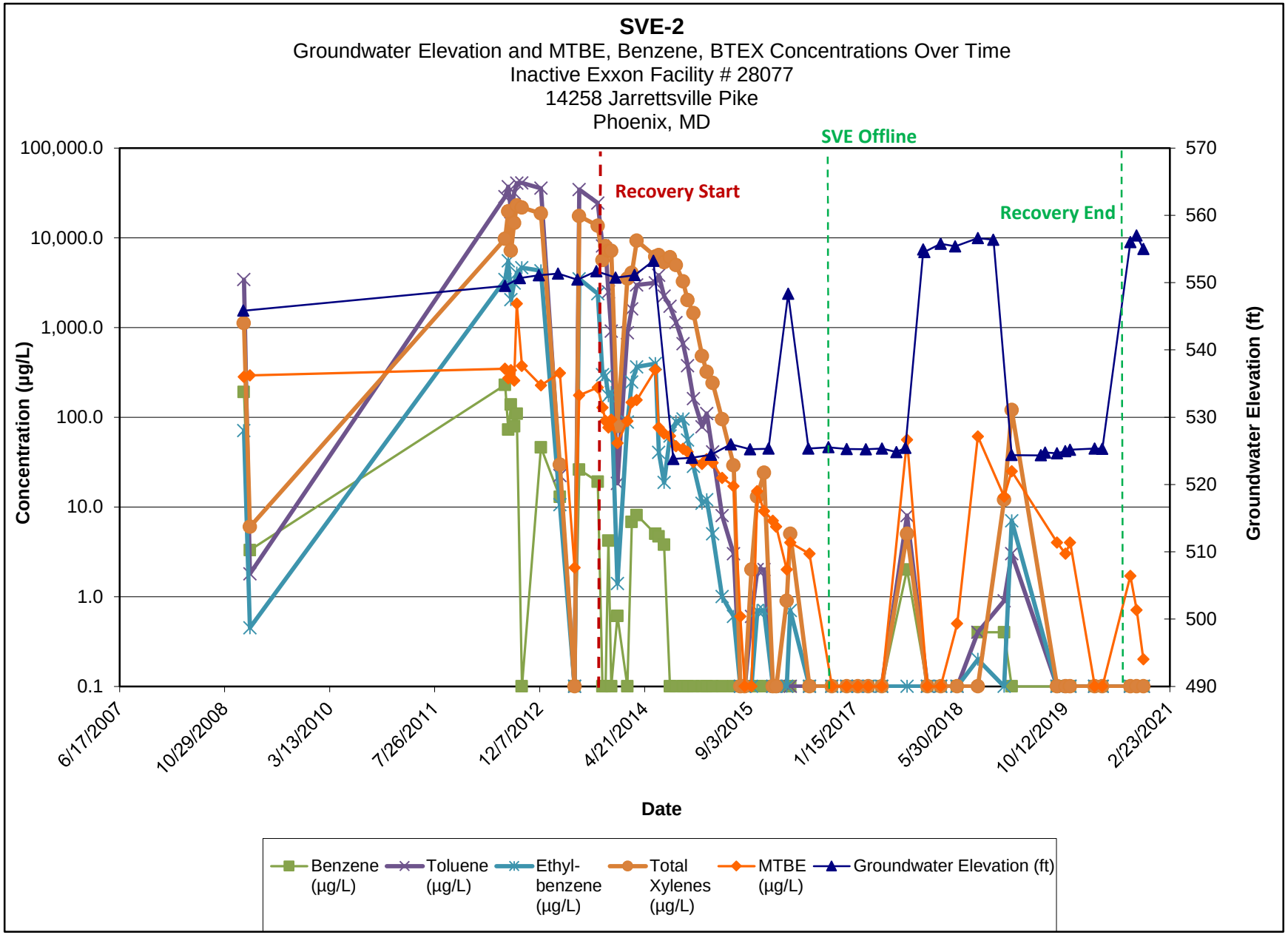

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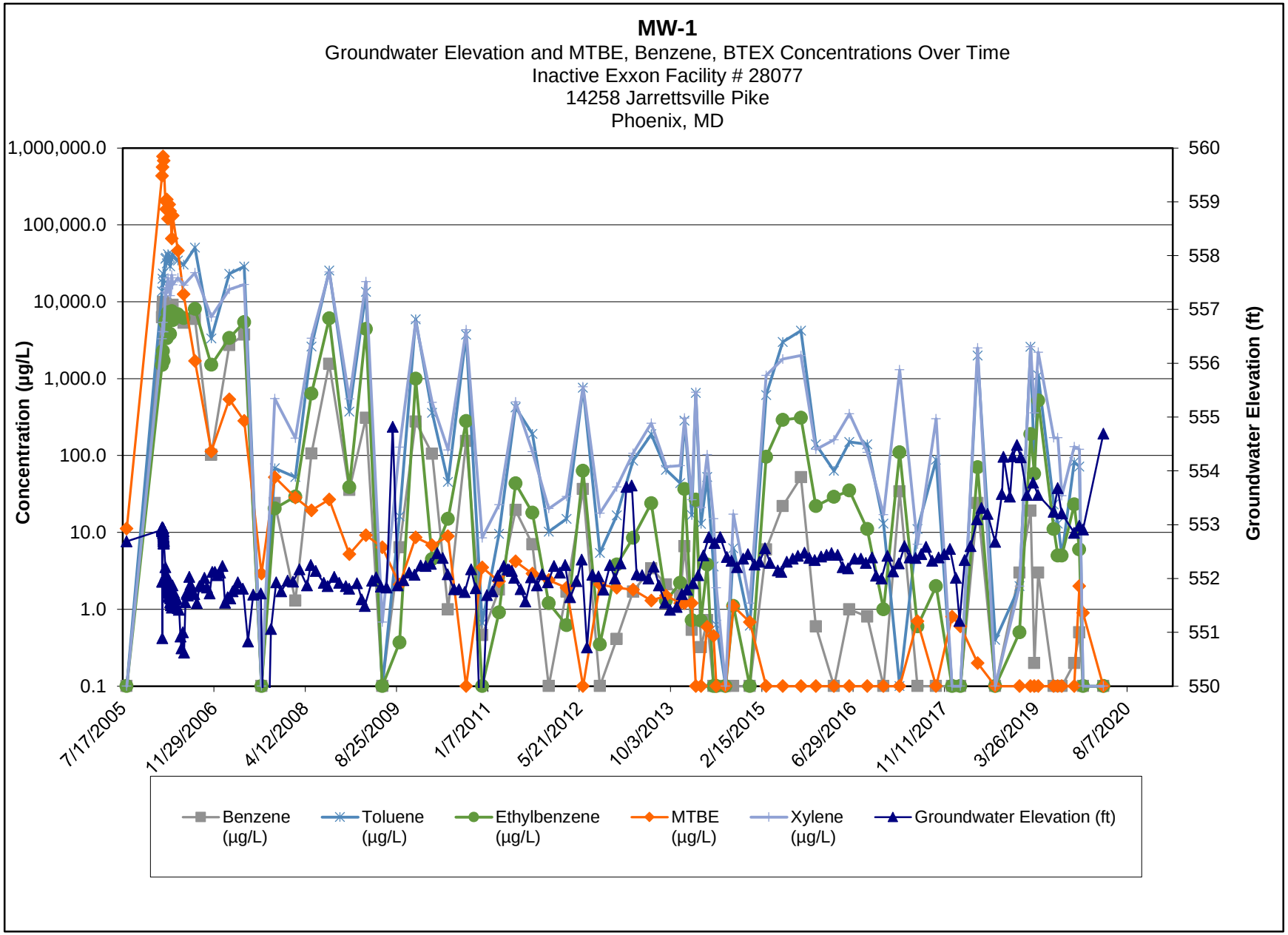
Semi-Annual Sampled Wells

MW-001
MW-002
MW-004A
MW-009
MW-021
MW-023
MW-024
MW-025
MW-029
MW-030
MW-036
MW-036C (274.5)
MW-036R
MW-038B
MW-047BB
MW-047C (212.5)
MW-048D (229)
MW-052
MW-054C (212.5)
MW-057
MW-058
MW-059A
MW-059D
MW-072
MW-076
MW-077A
MW-077B
MW-078C (180)
MW-080A
MW-080B
MW-084
MW-085
MW-087
MW-088
MW-091
MW-106
MW-110
MW-125
MW-137
MW-138
MW-144
MW-154
MW-159
MW-160
MW-168 (235)
MW-171
MW-171C (207.5)
MW-176CC
MW-177 (187.75)
MW-179C (250)
MW-180A
MW-181B



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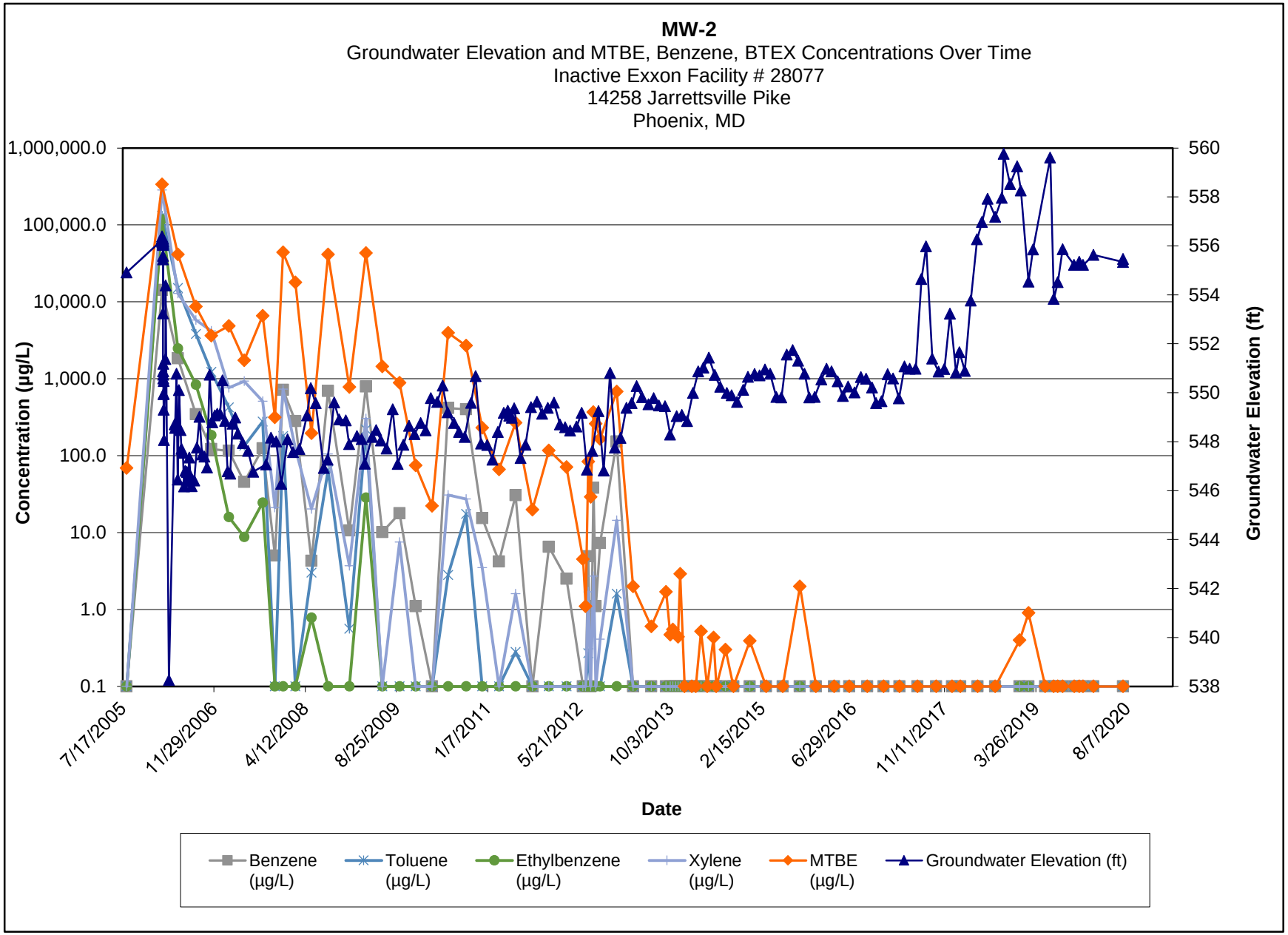

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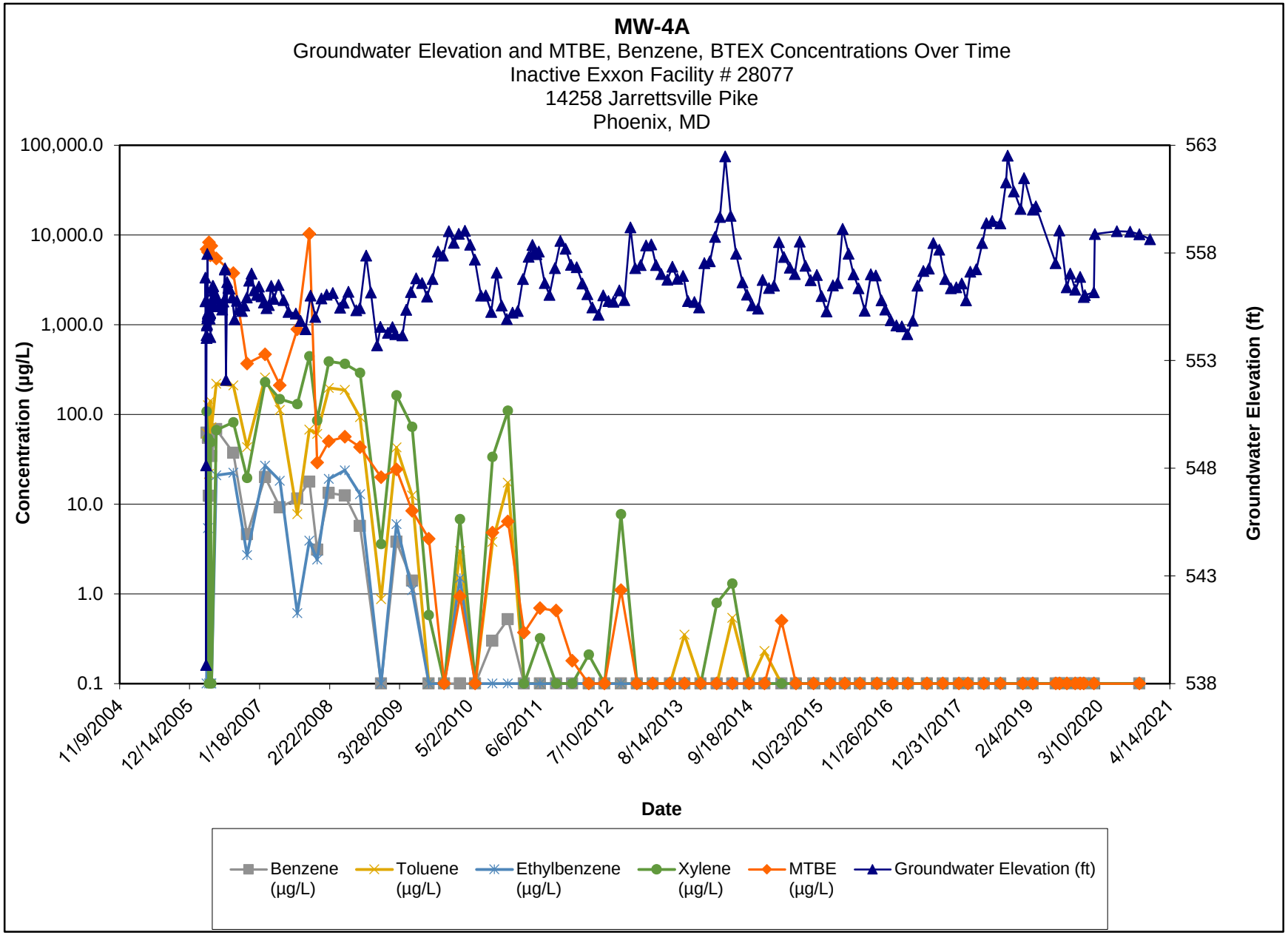

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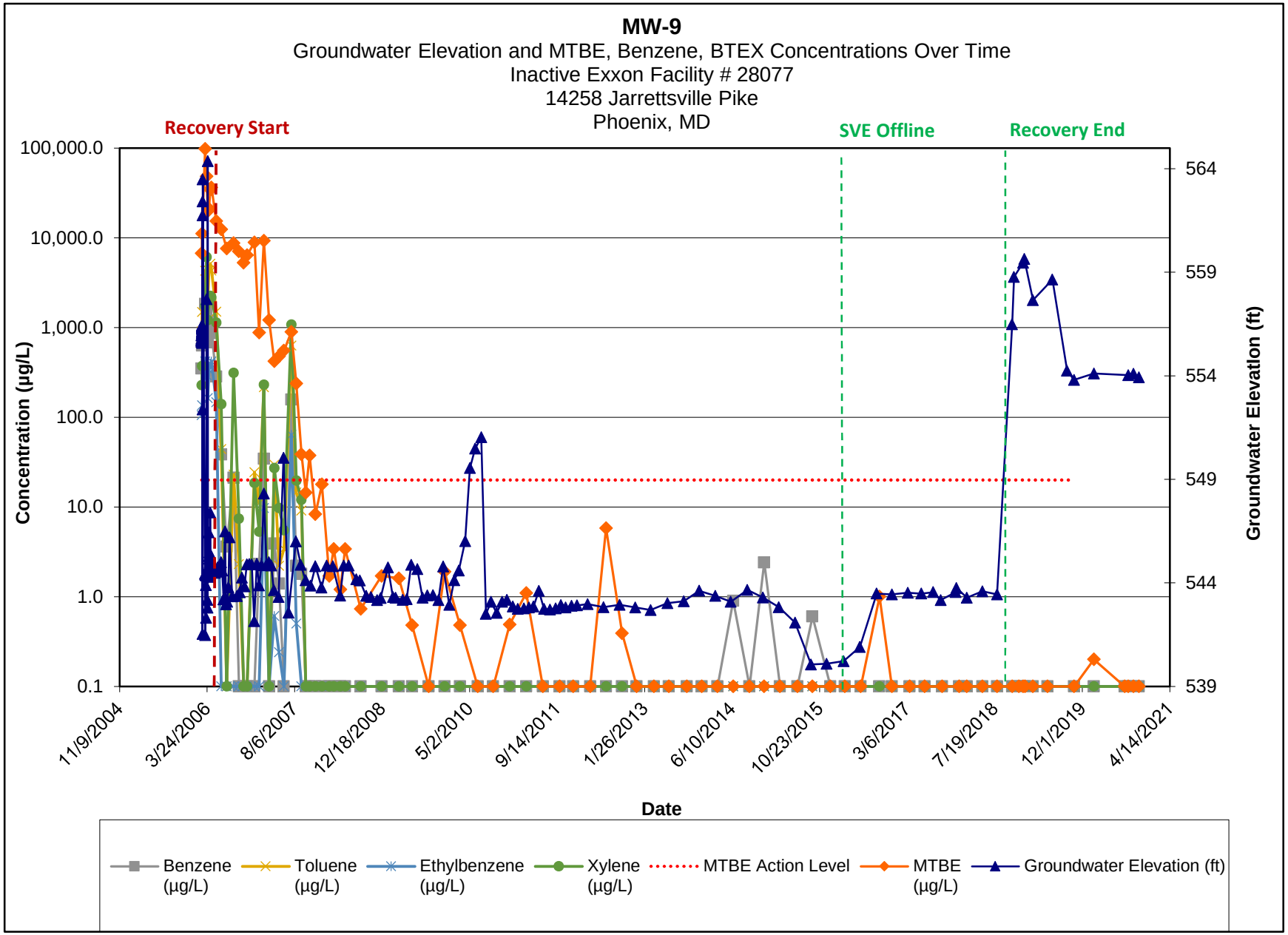

Note:
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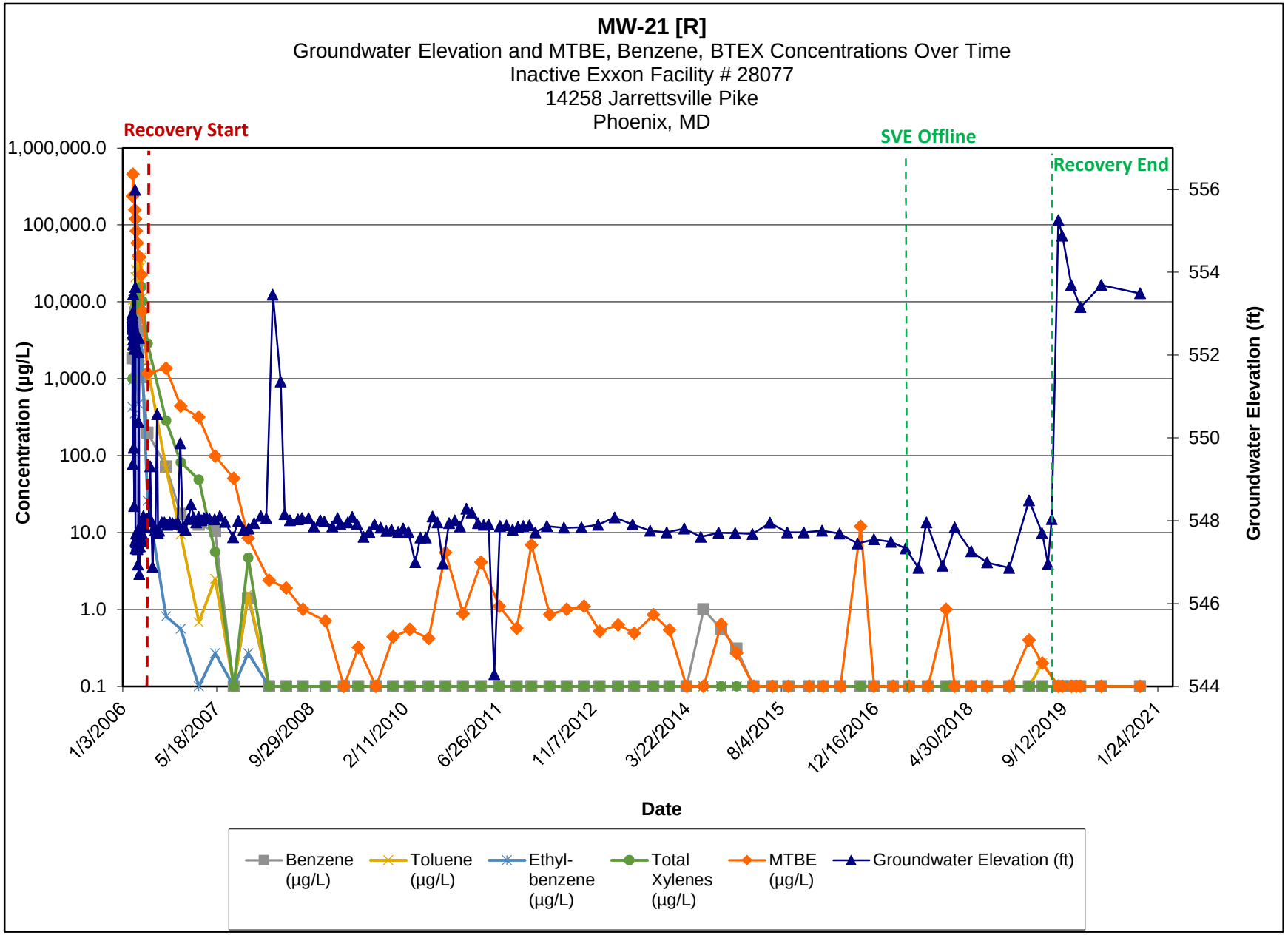

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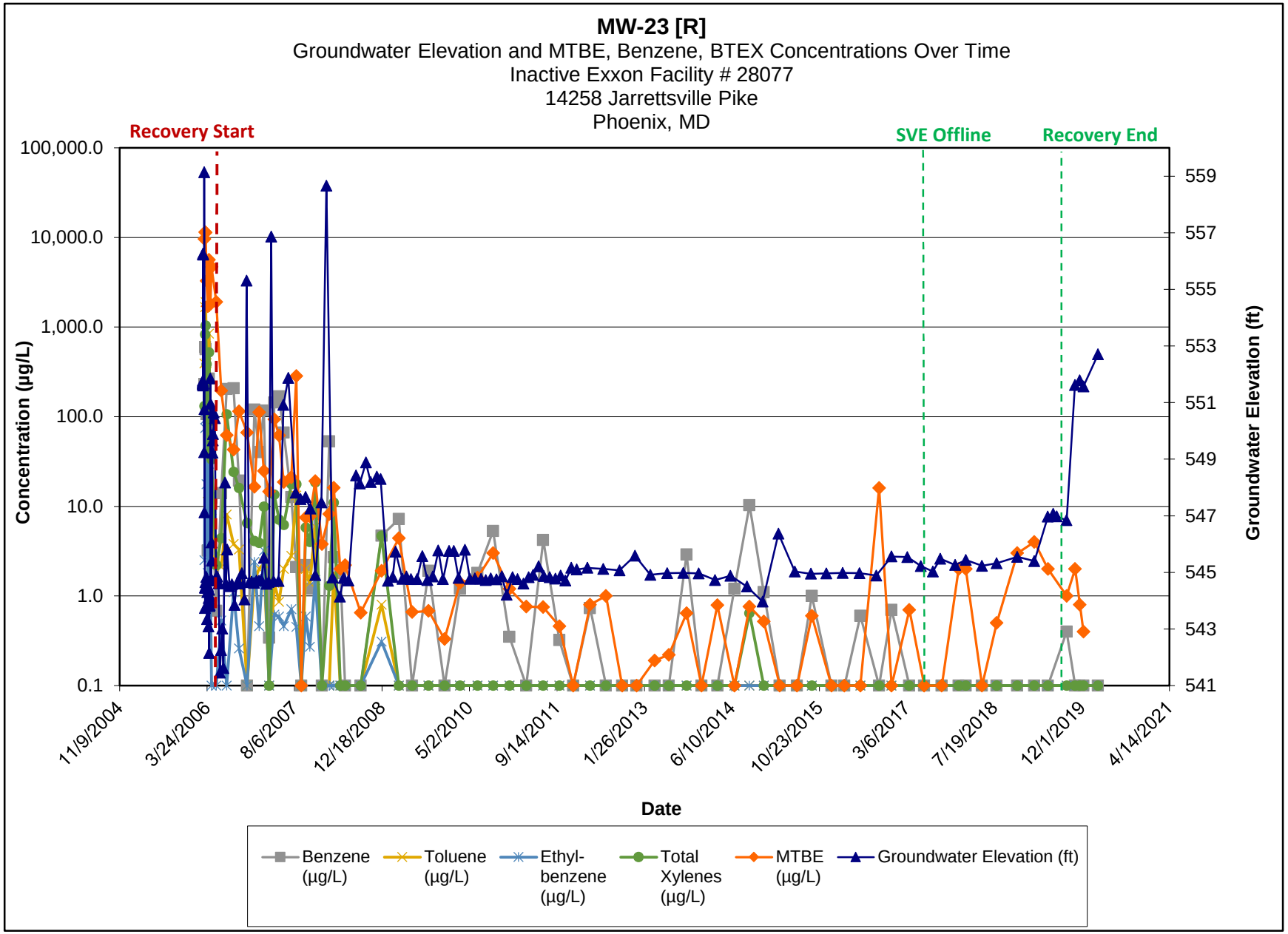

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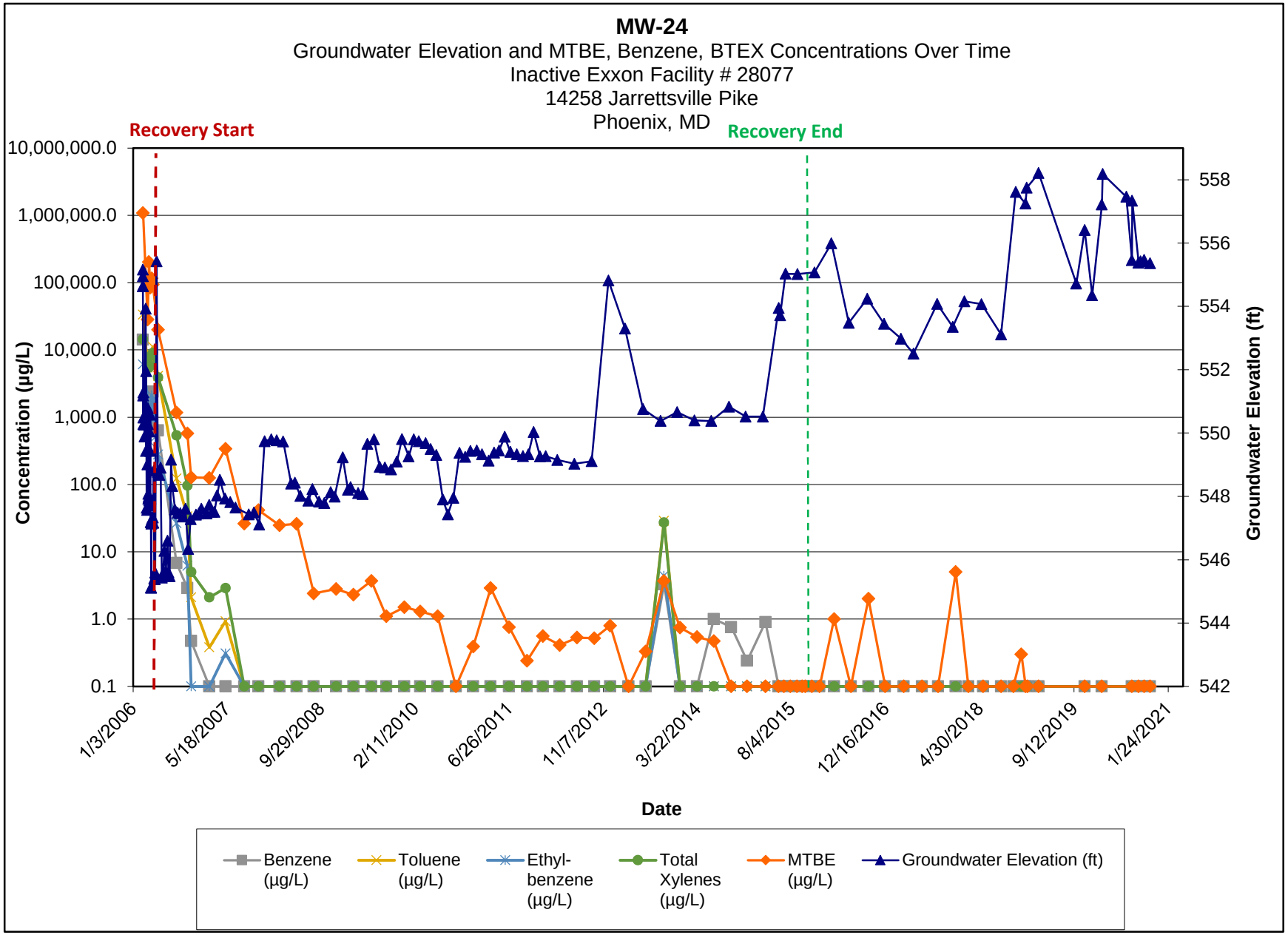

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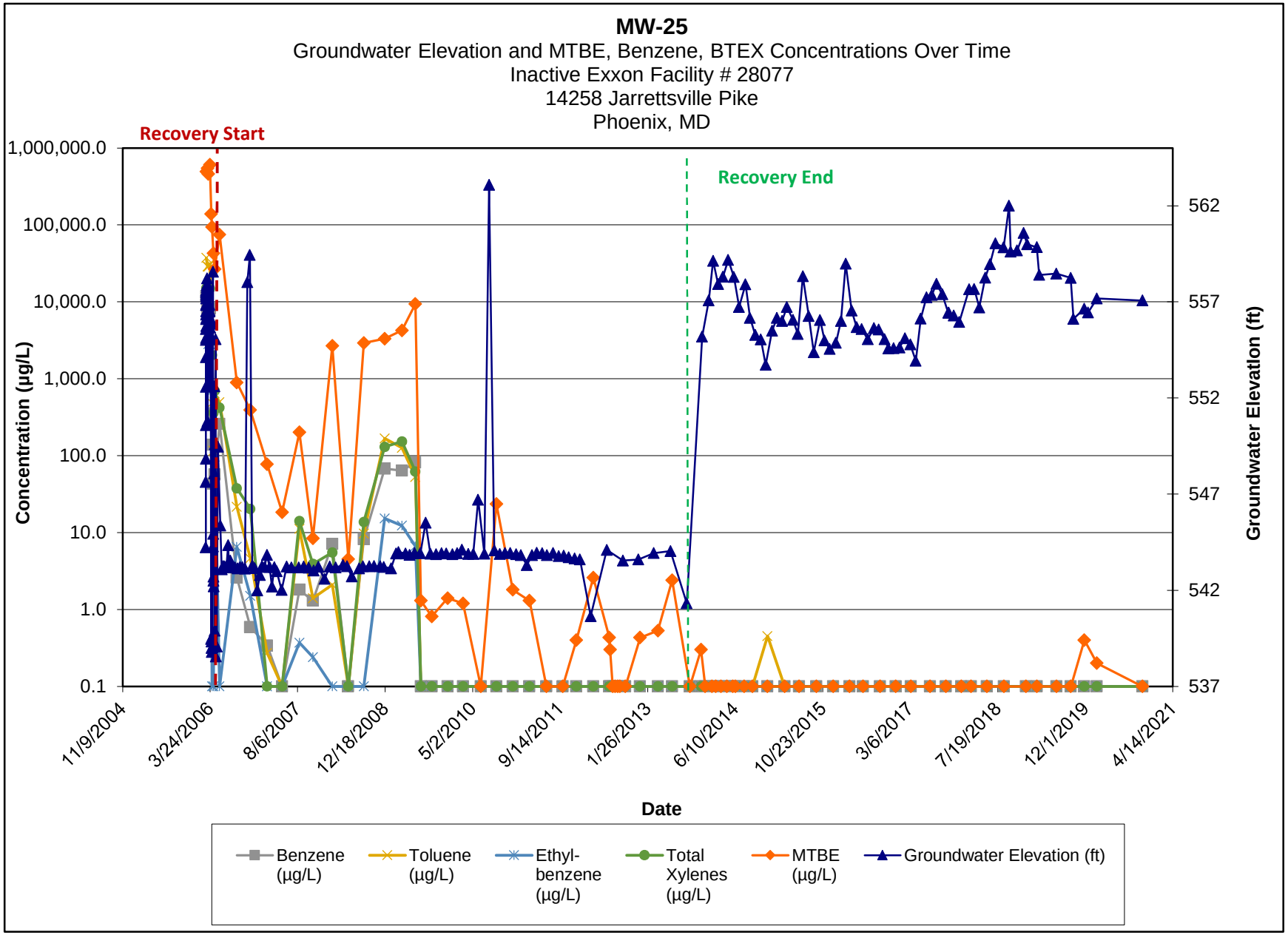

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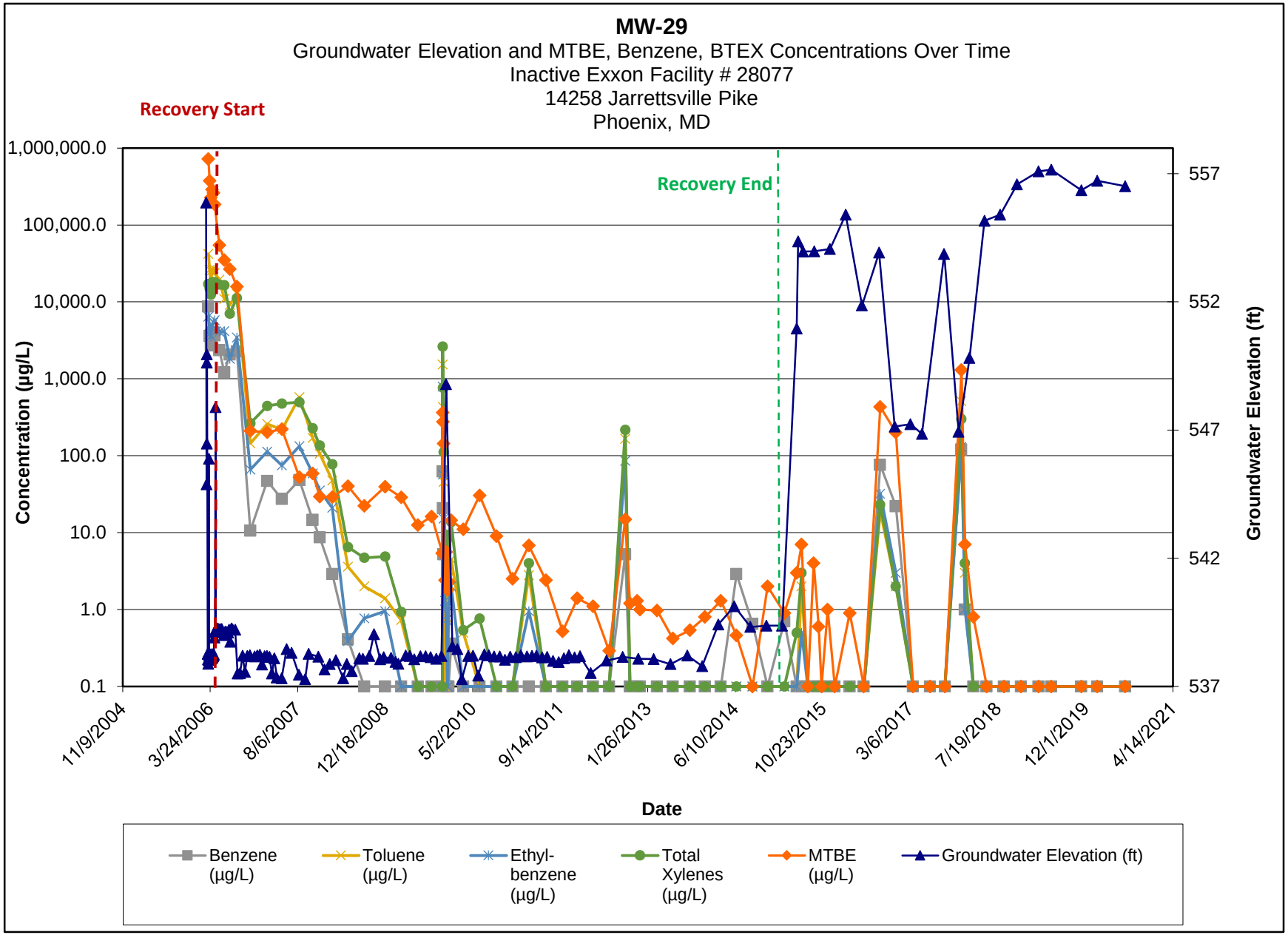

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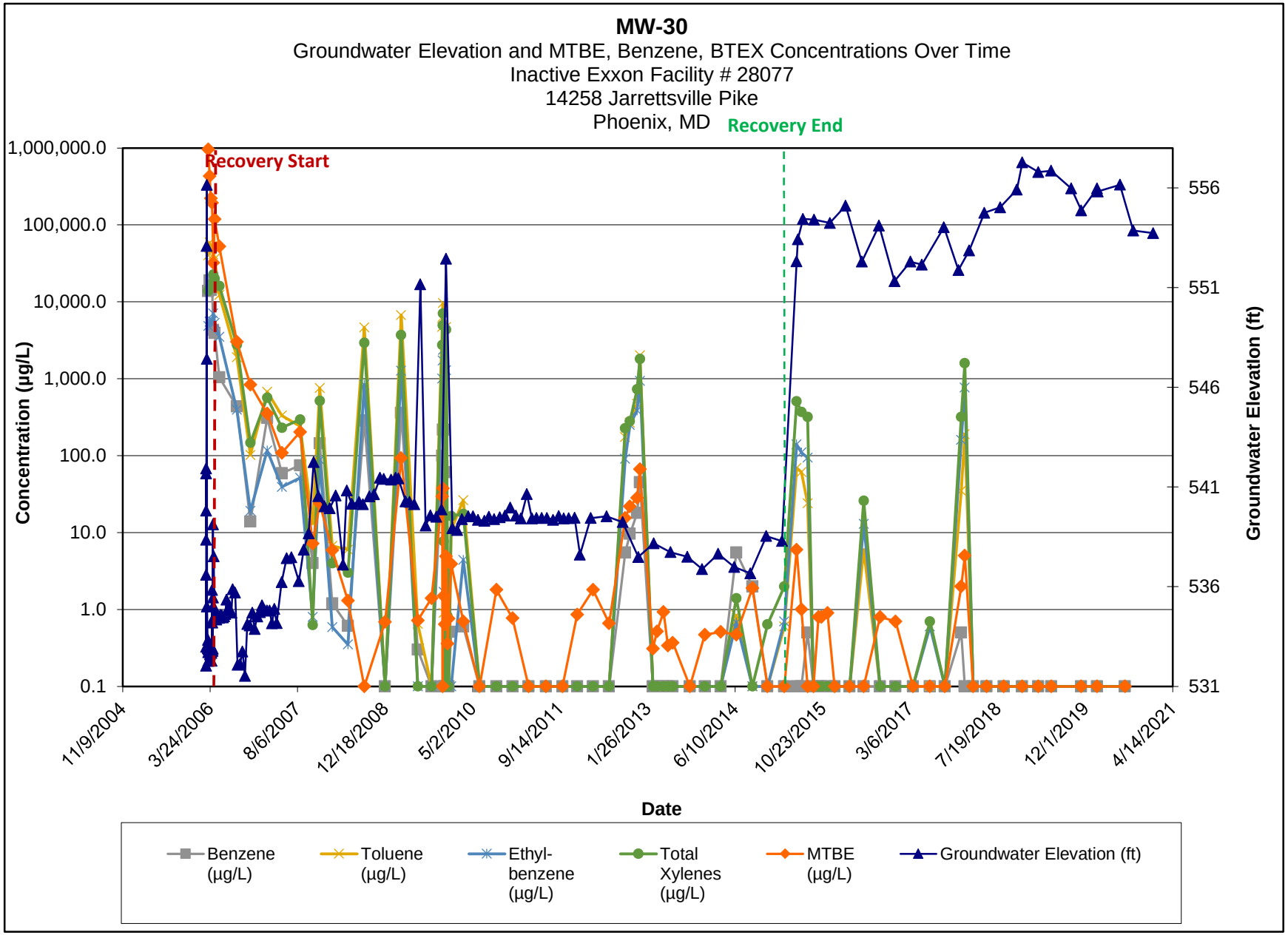

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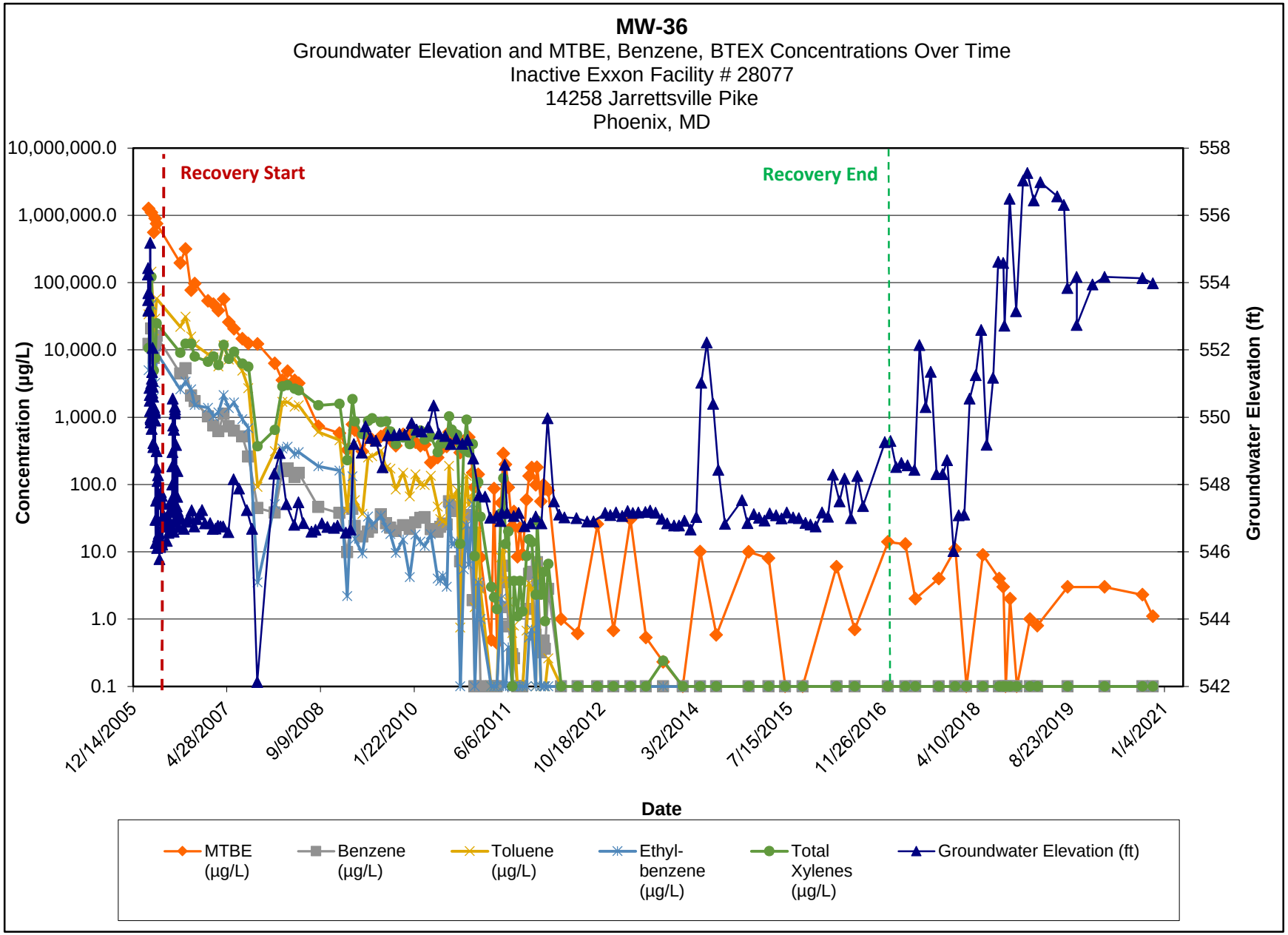

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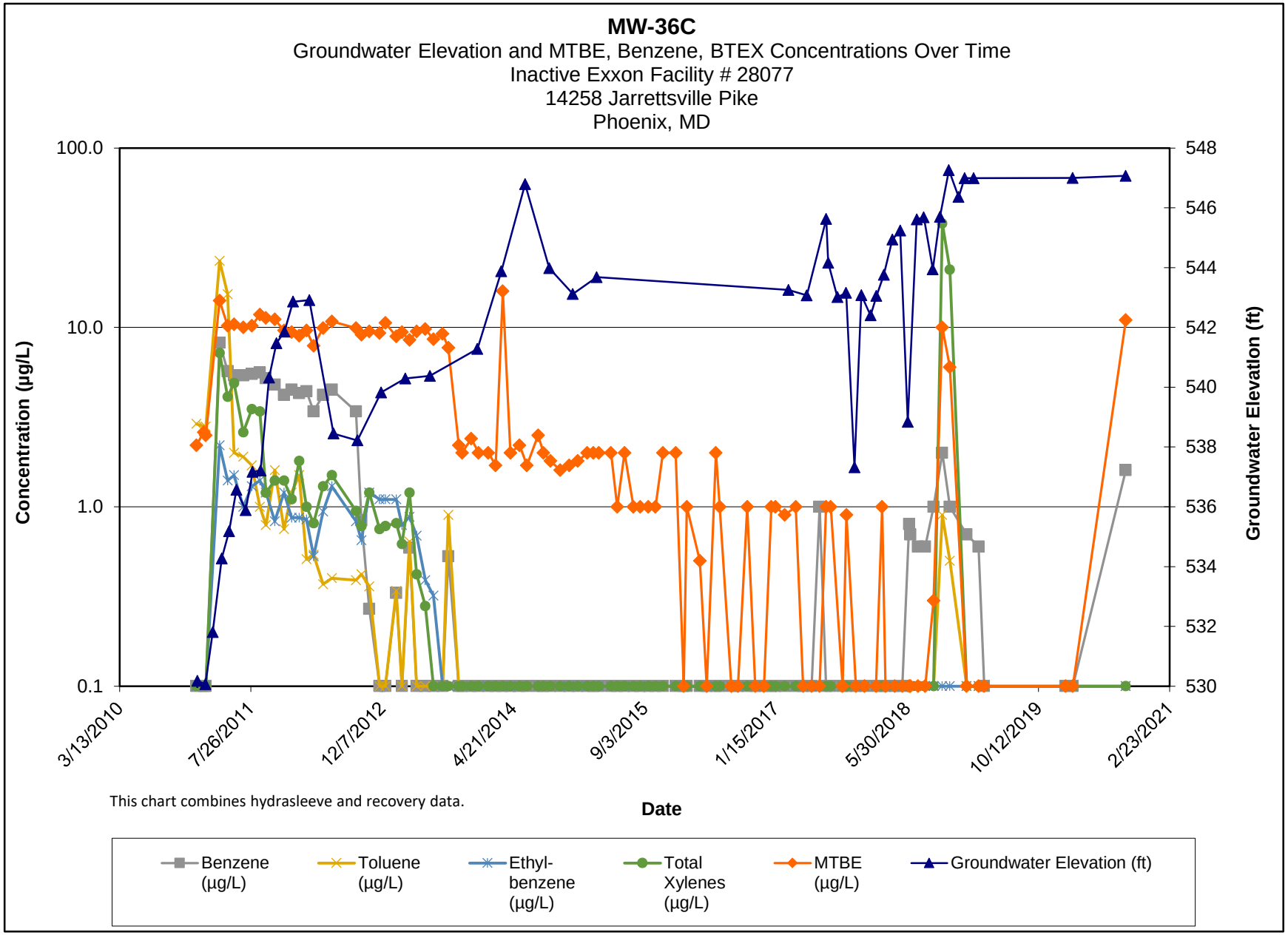

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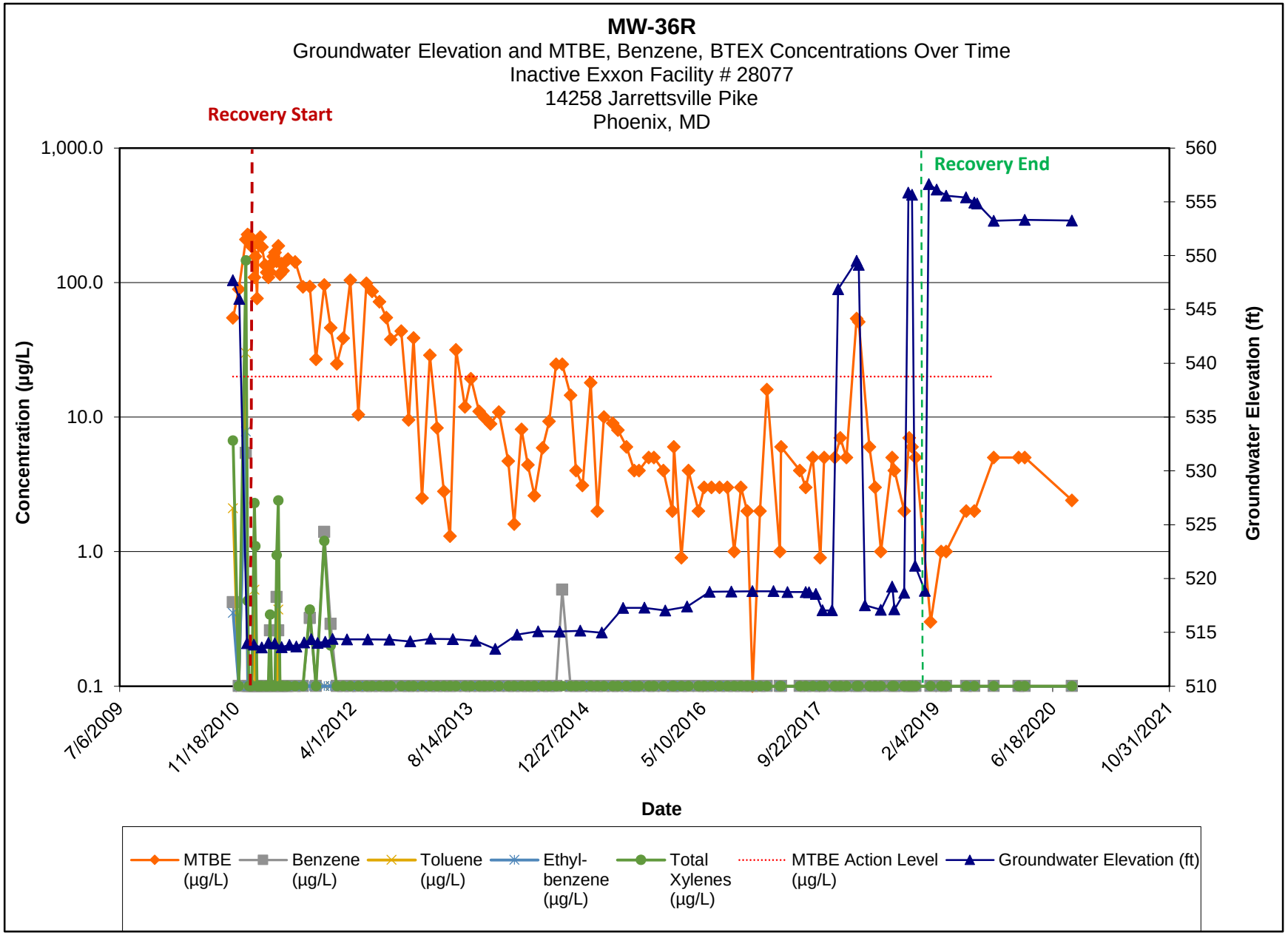

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1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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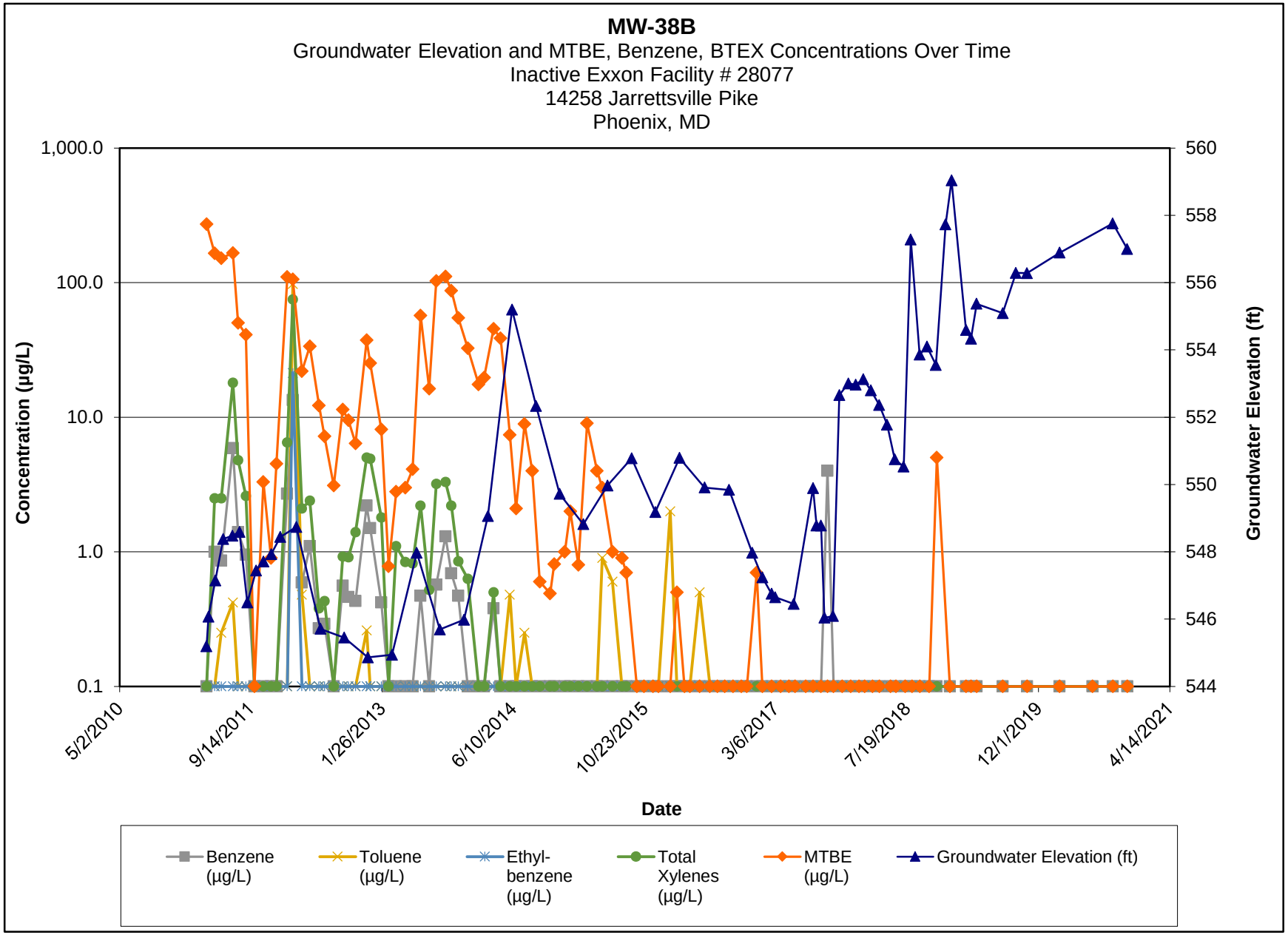

Note:
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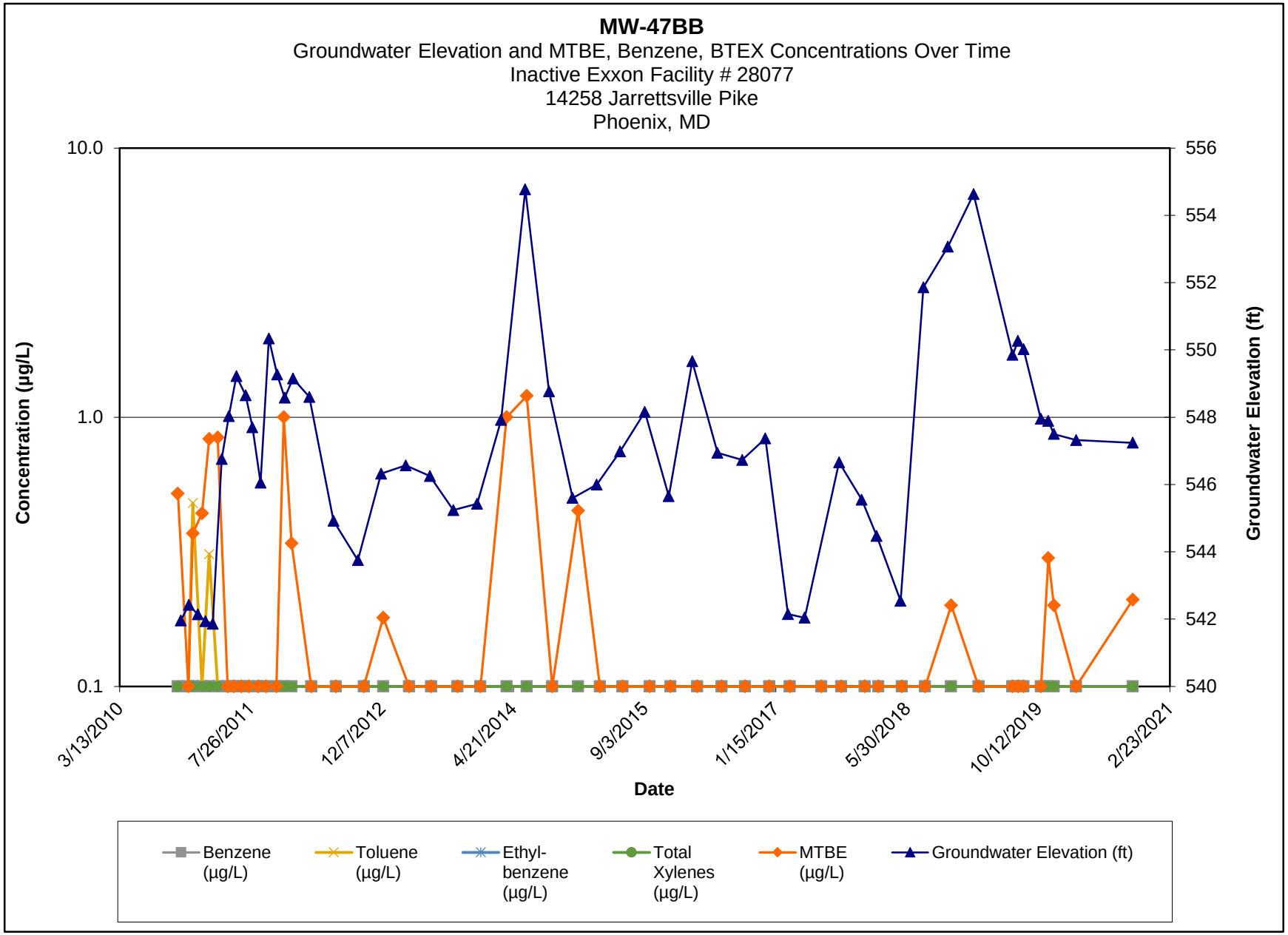
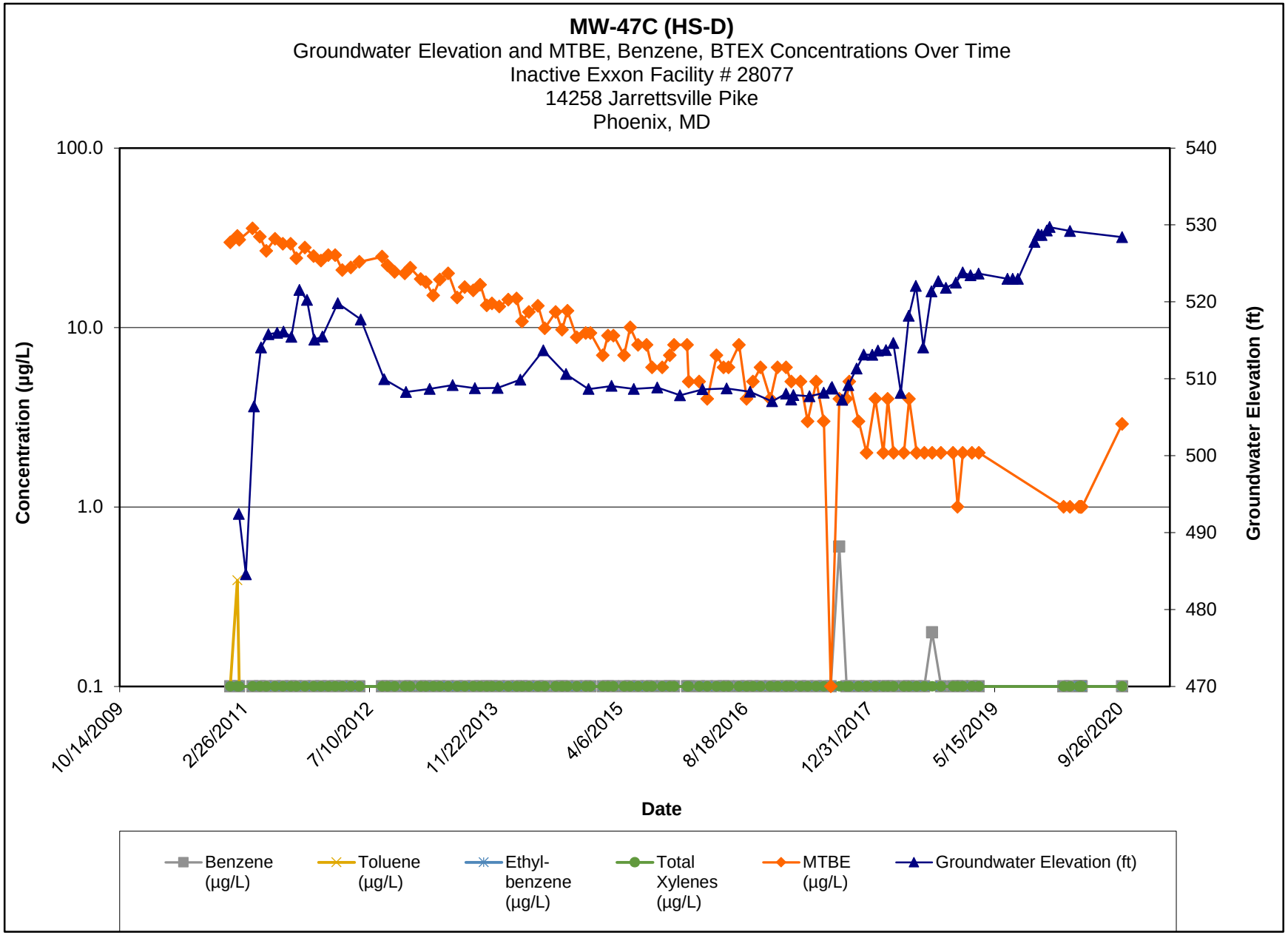
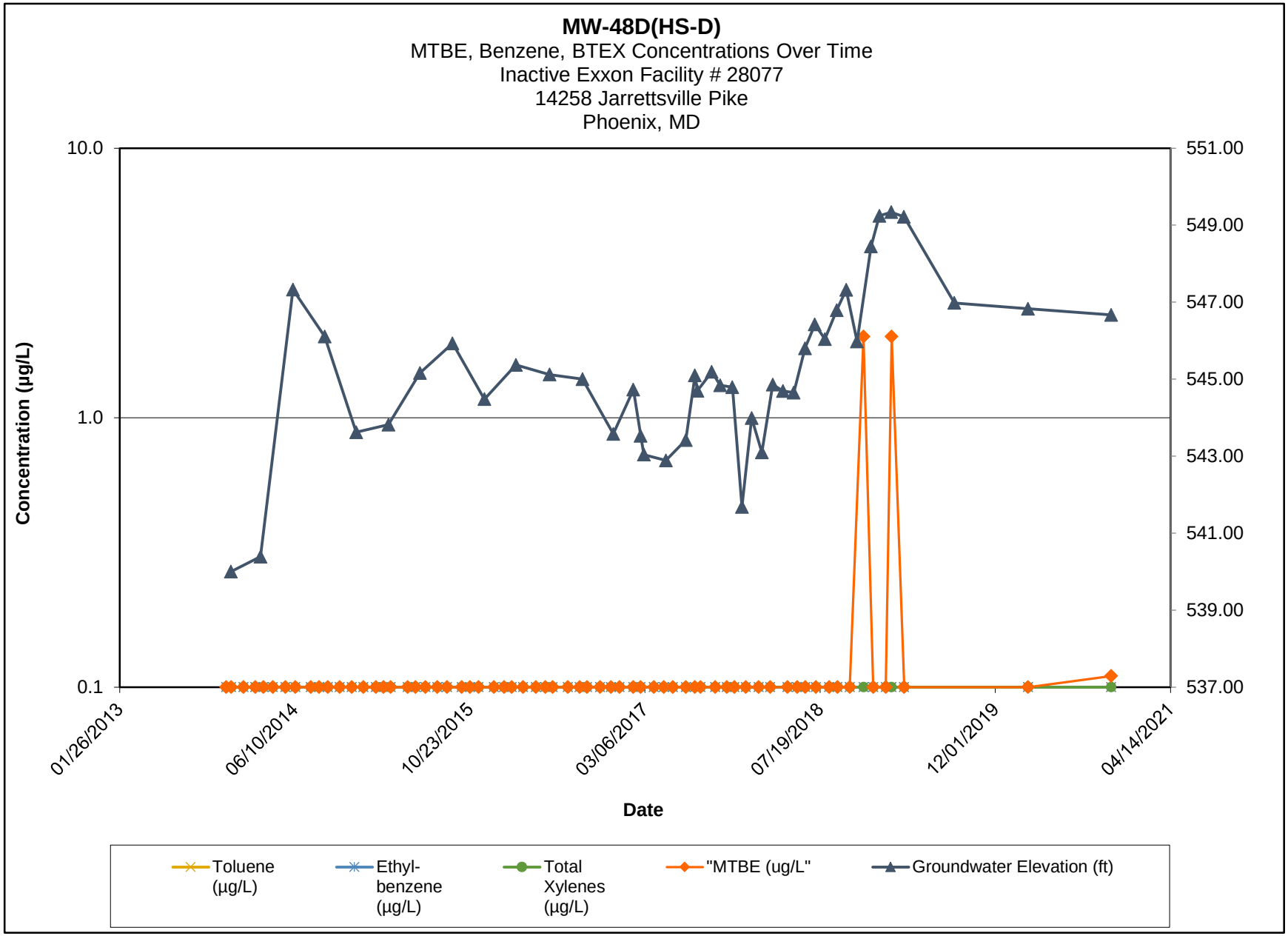
2.) [R] - indicates well was used for remediation at time of reporting.



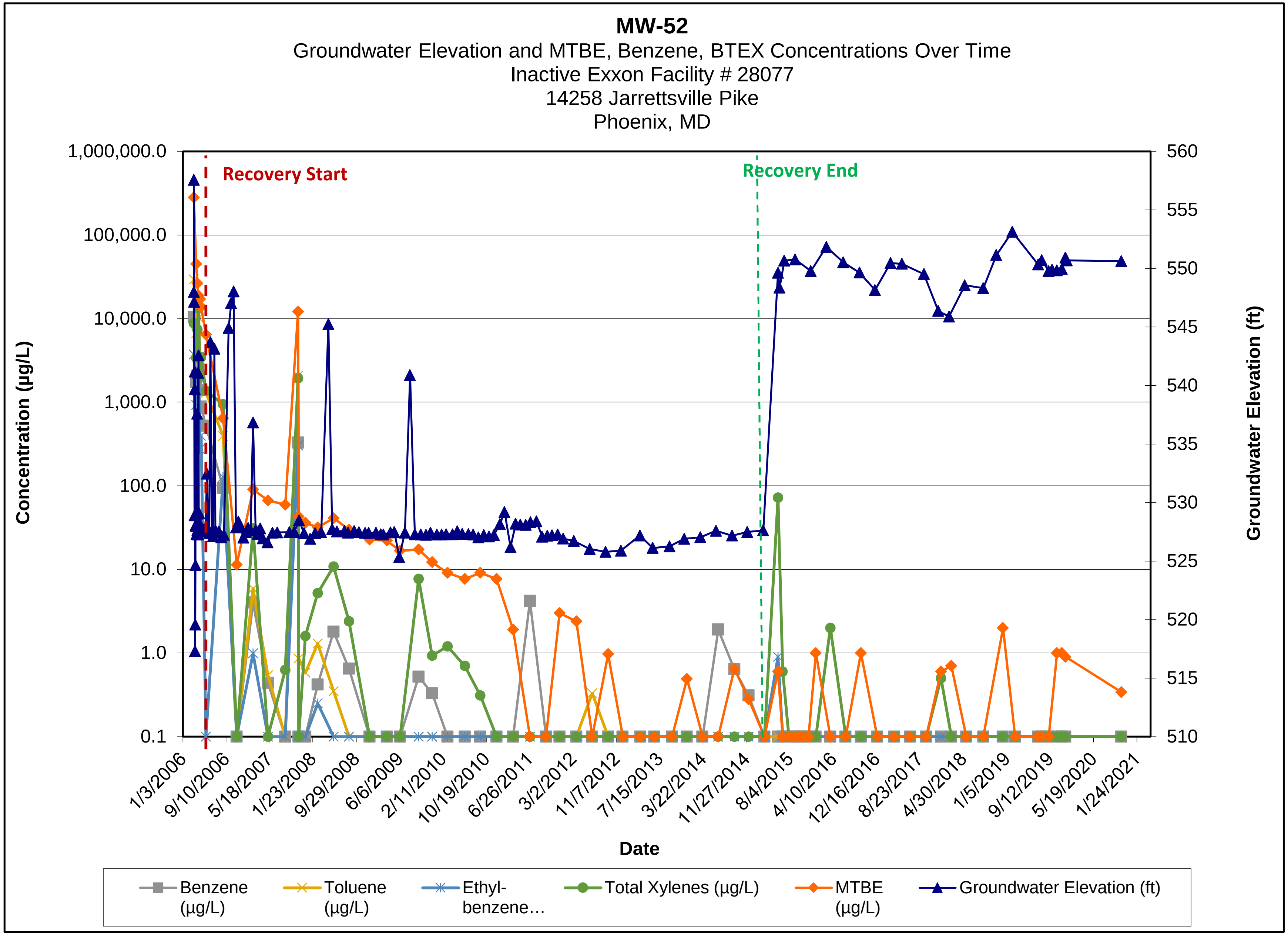
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



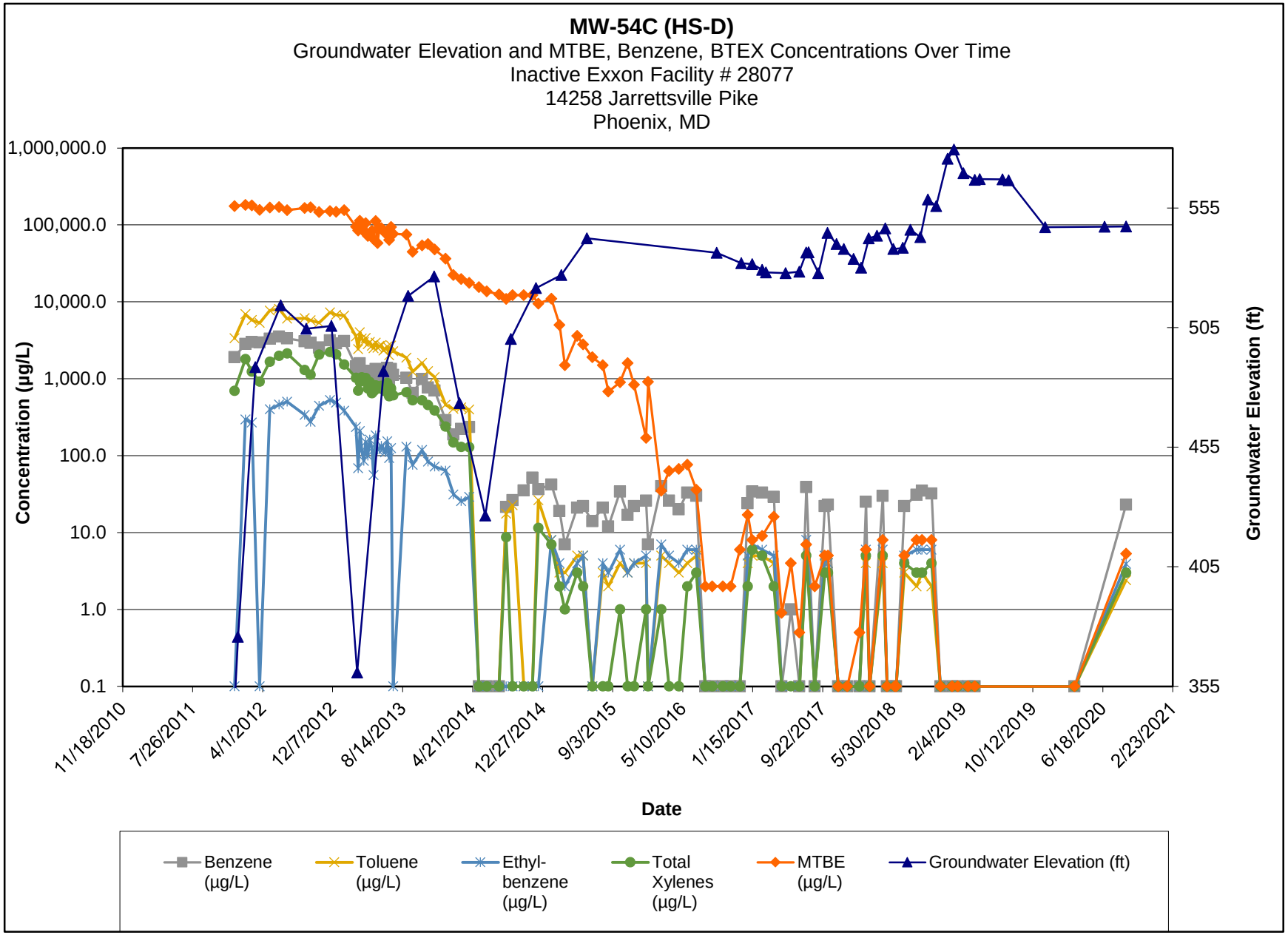
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



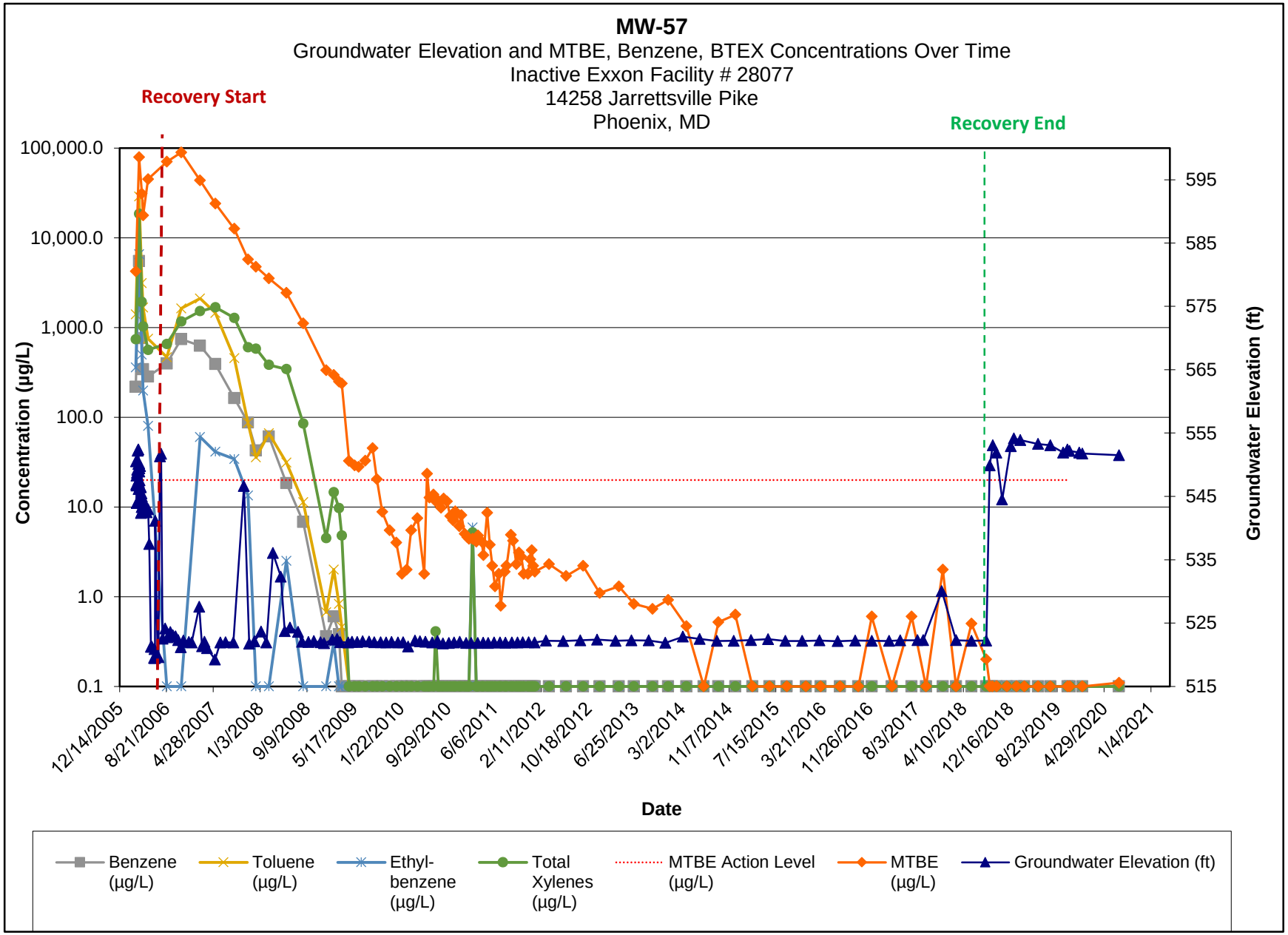
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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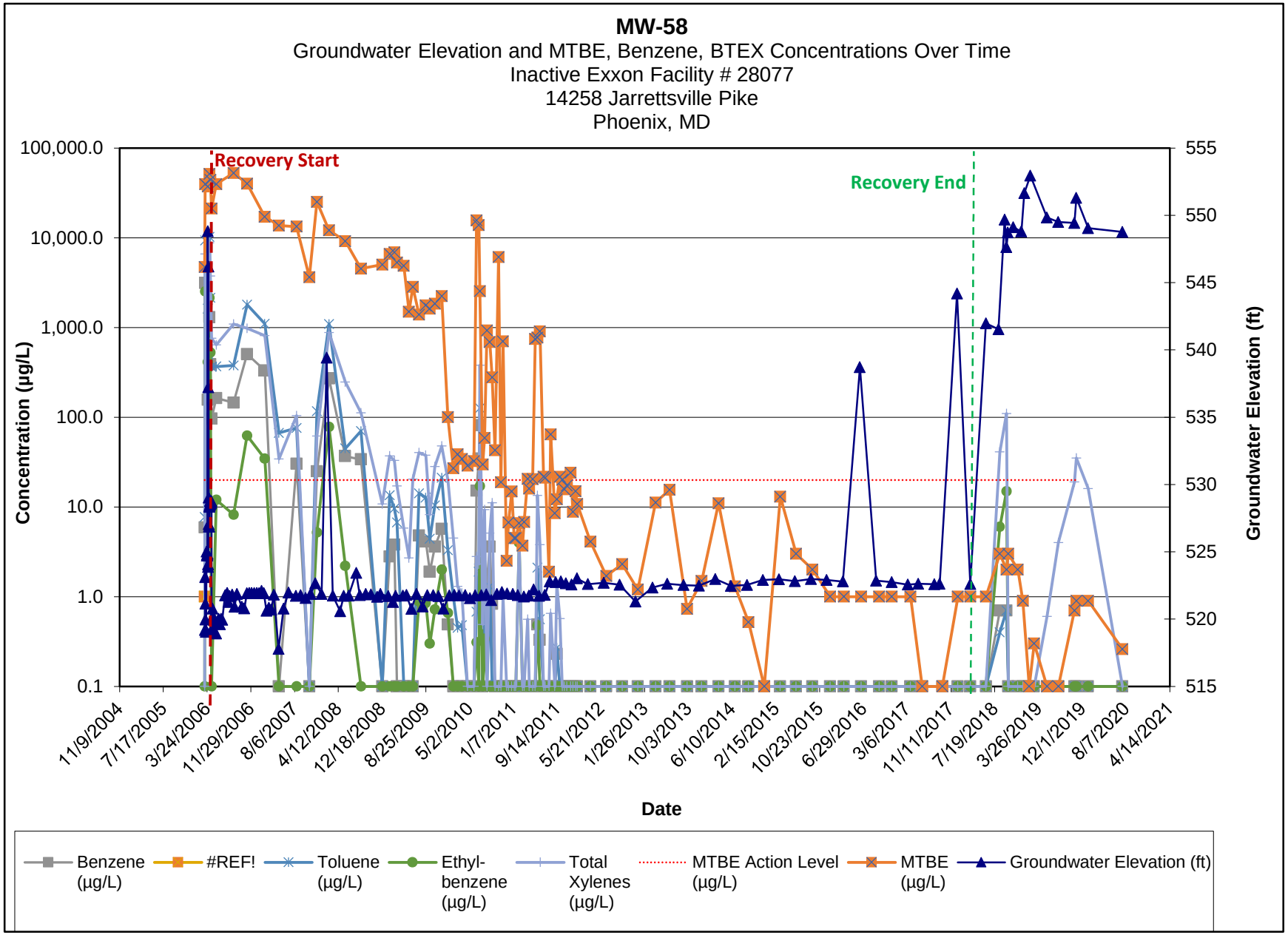
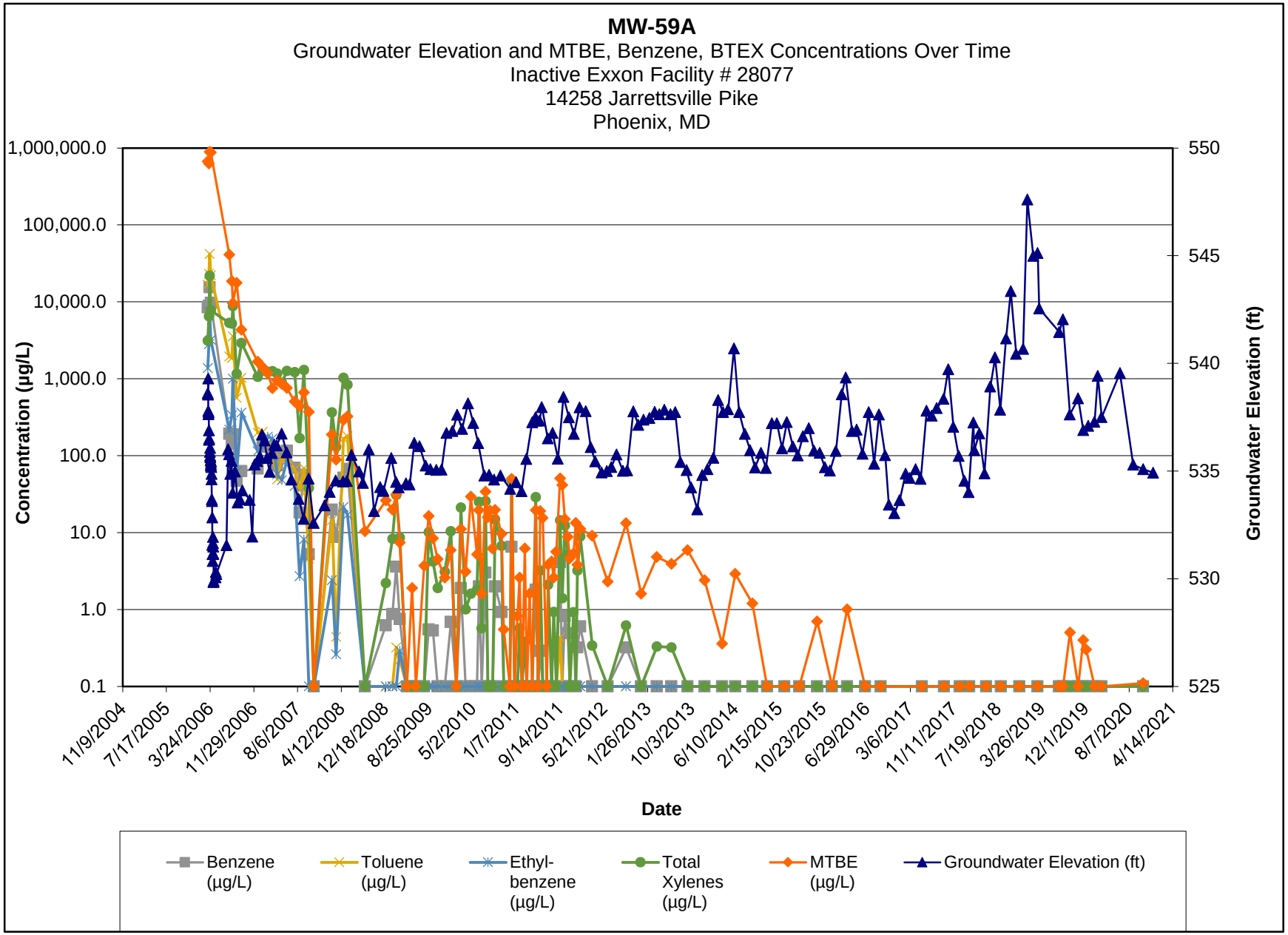


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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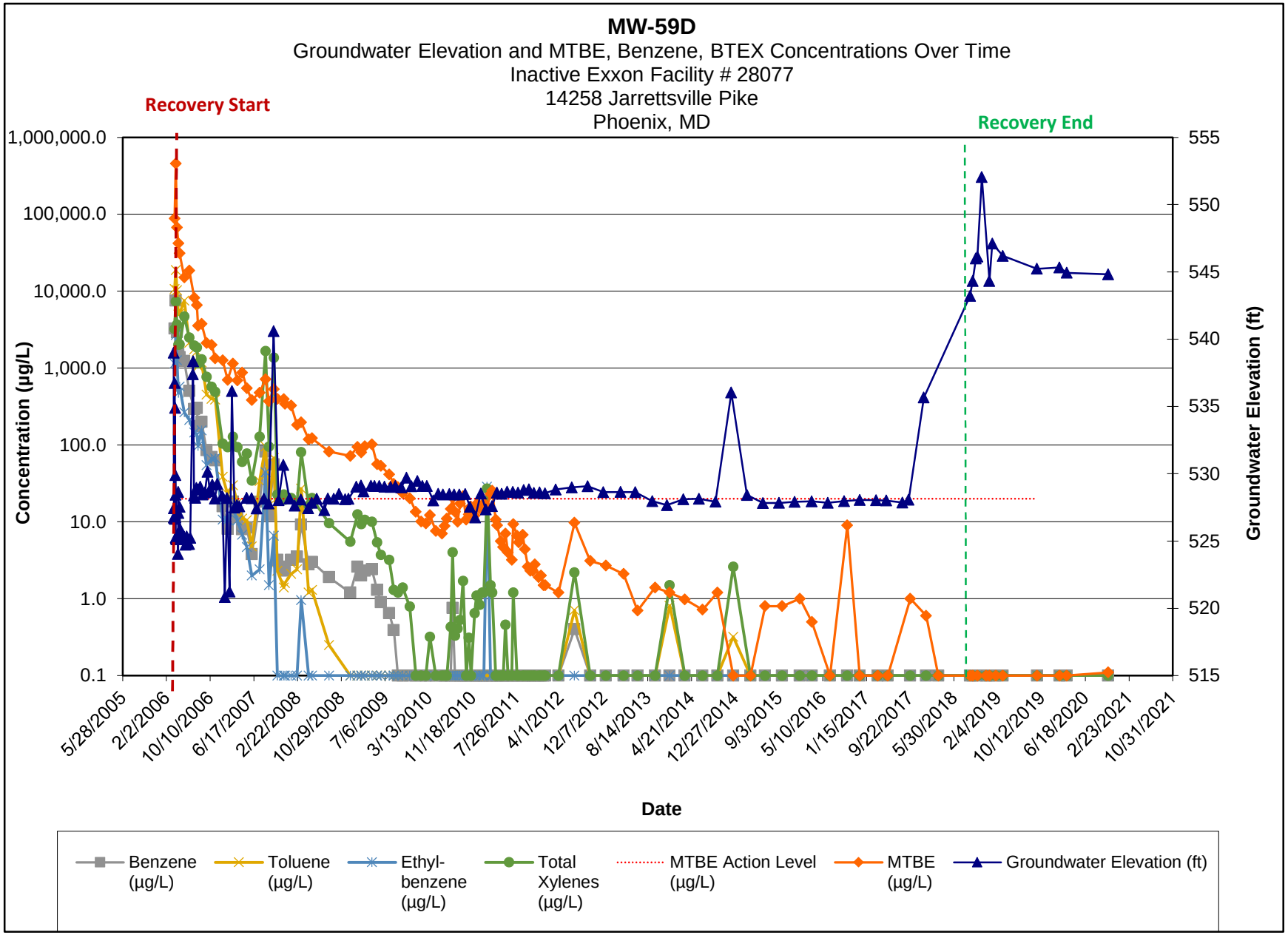
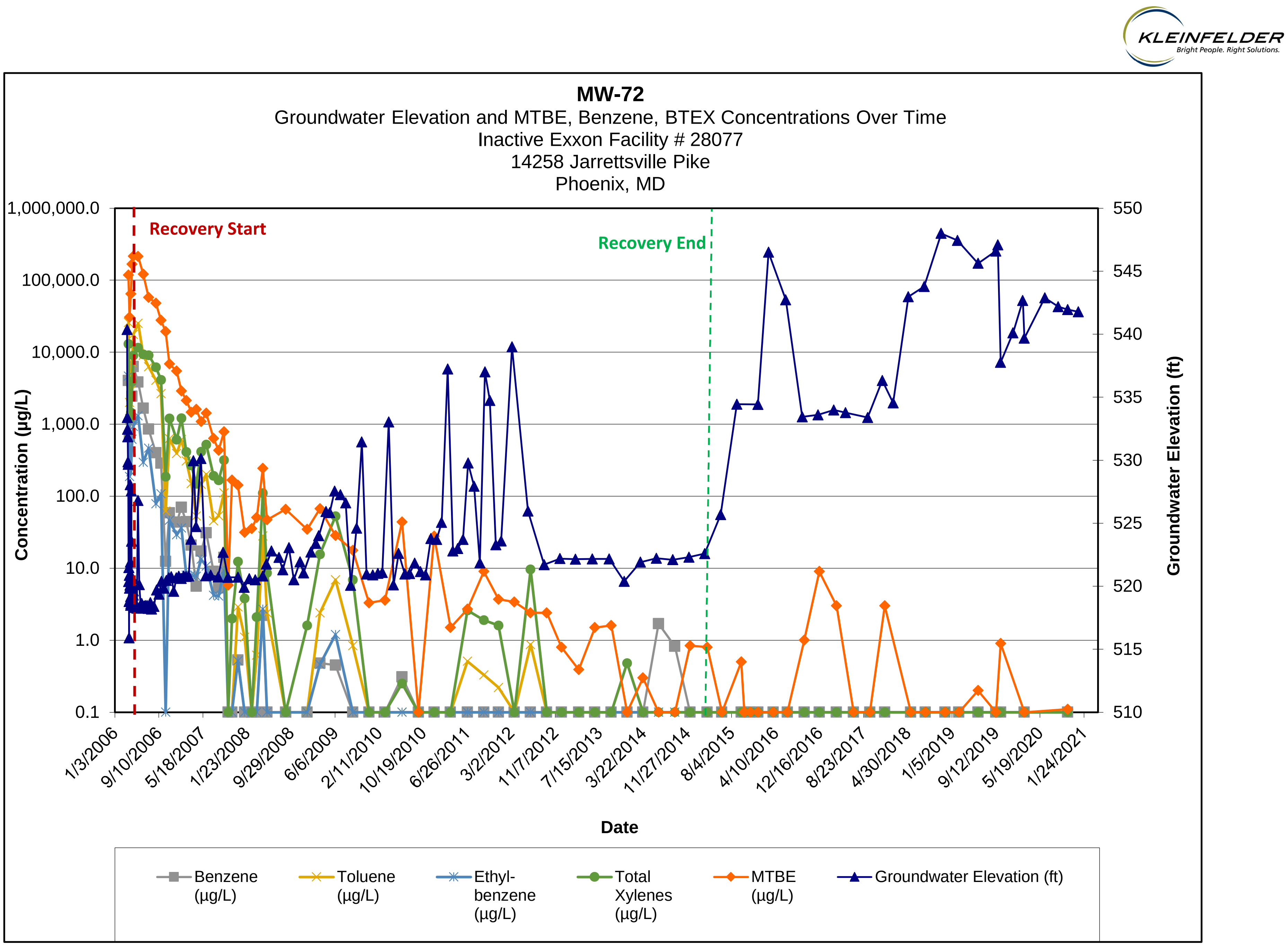


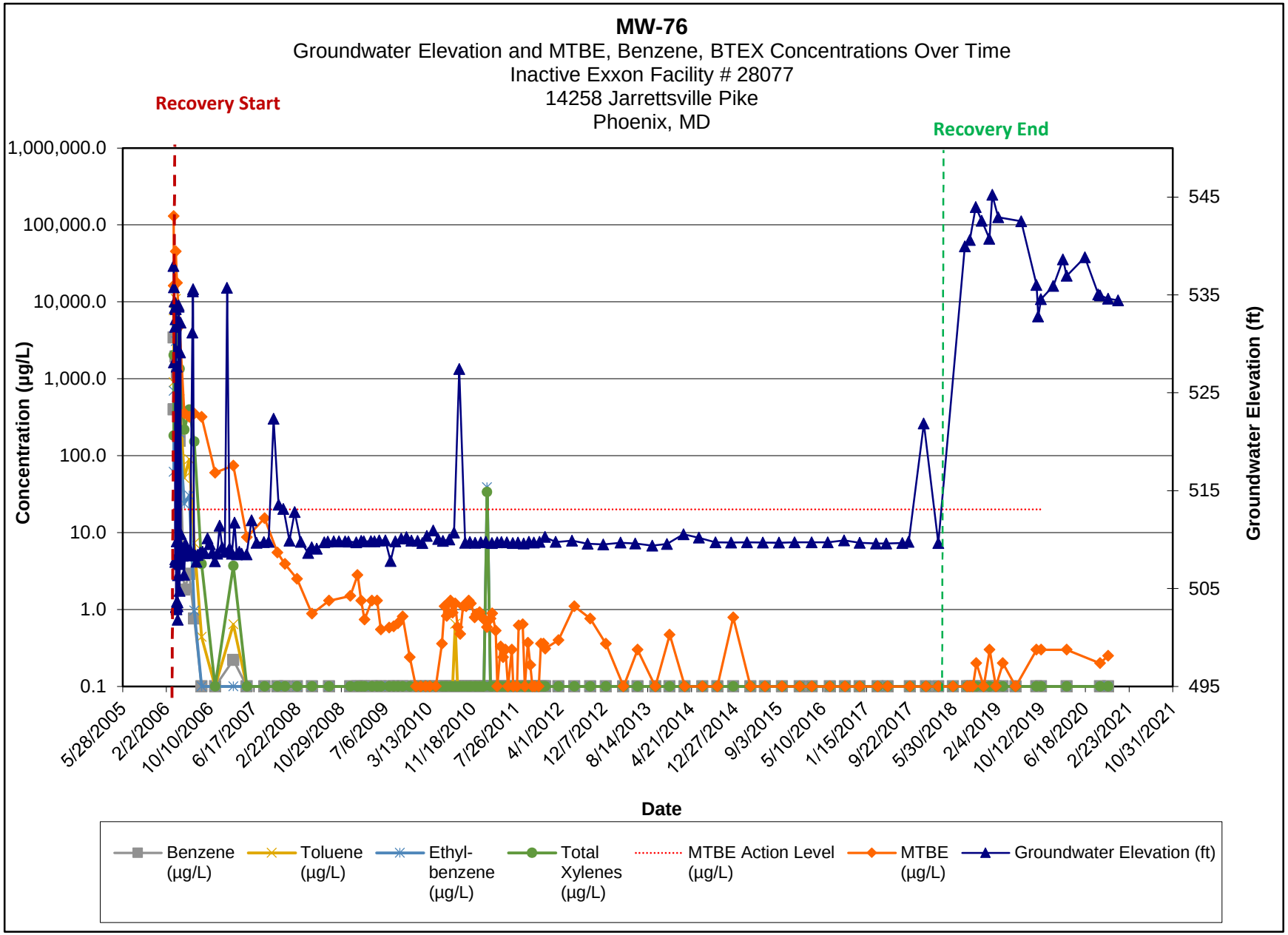
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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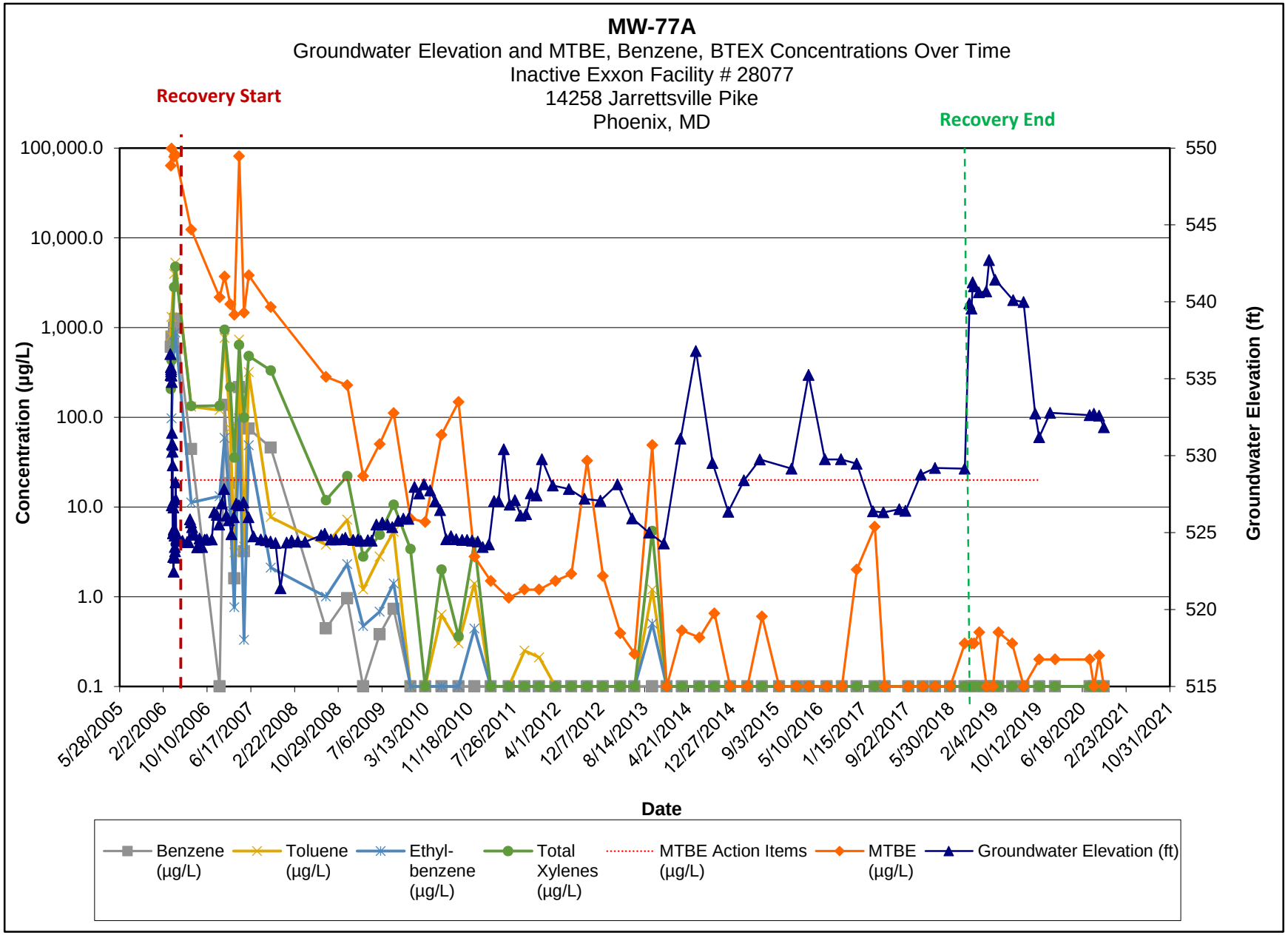
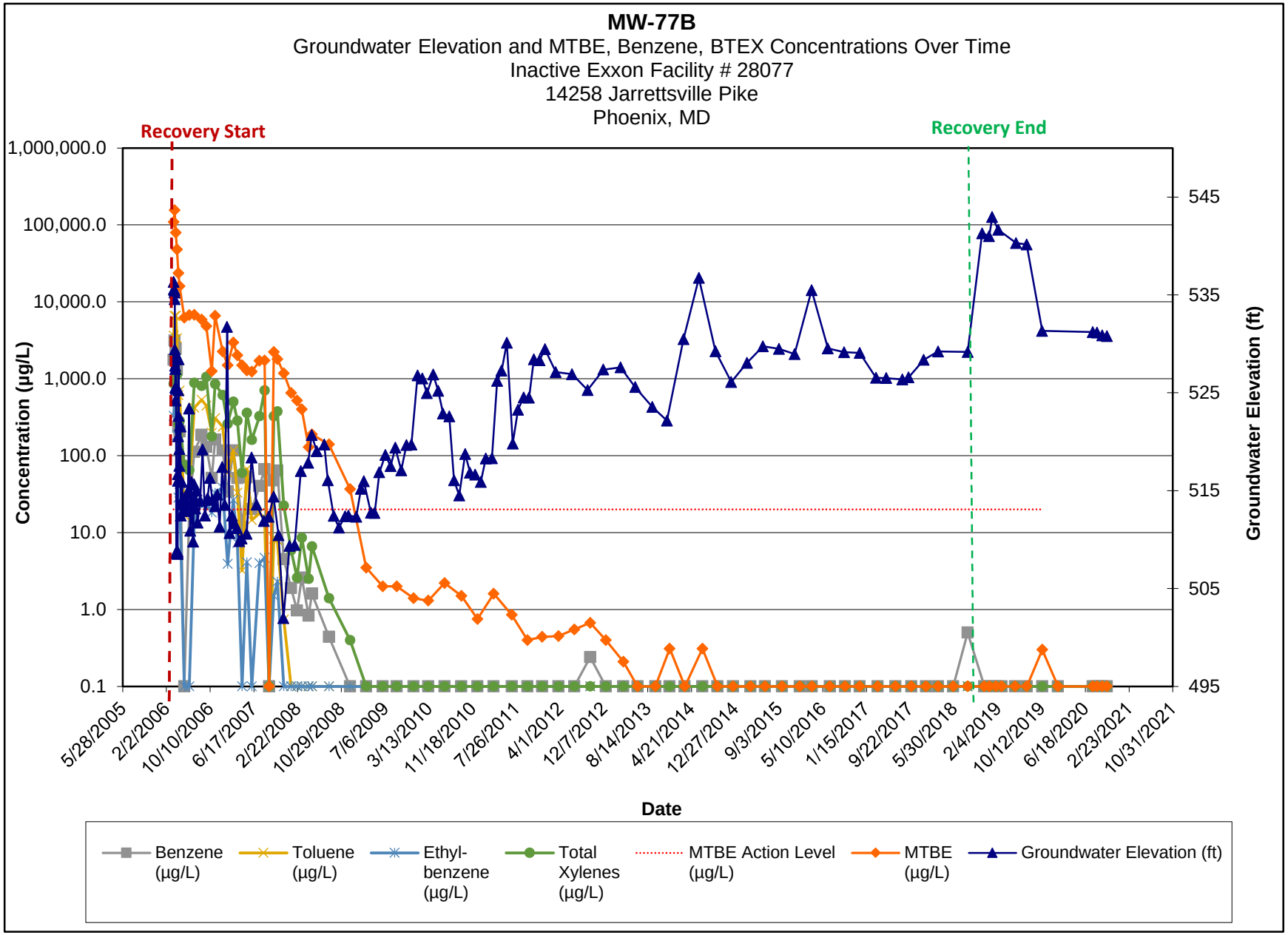
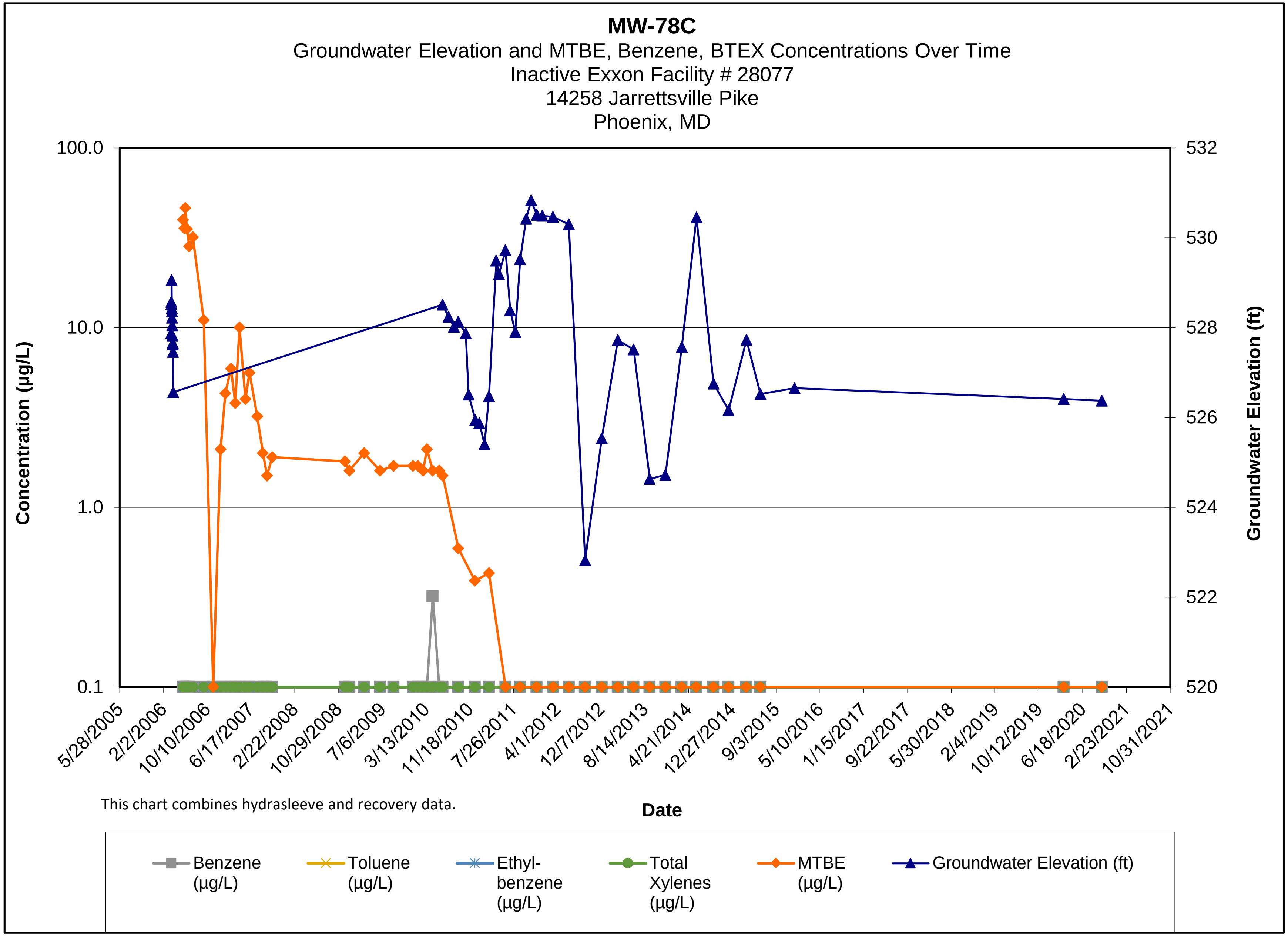
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



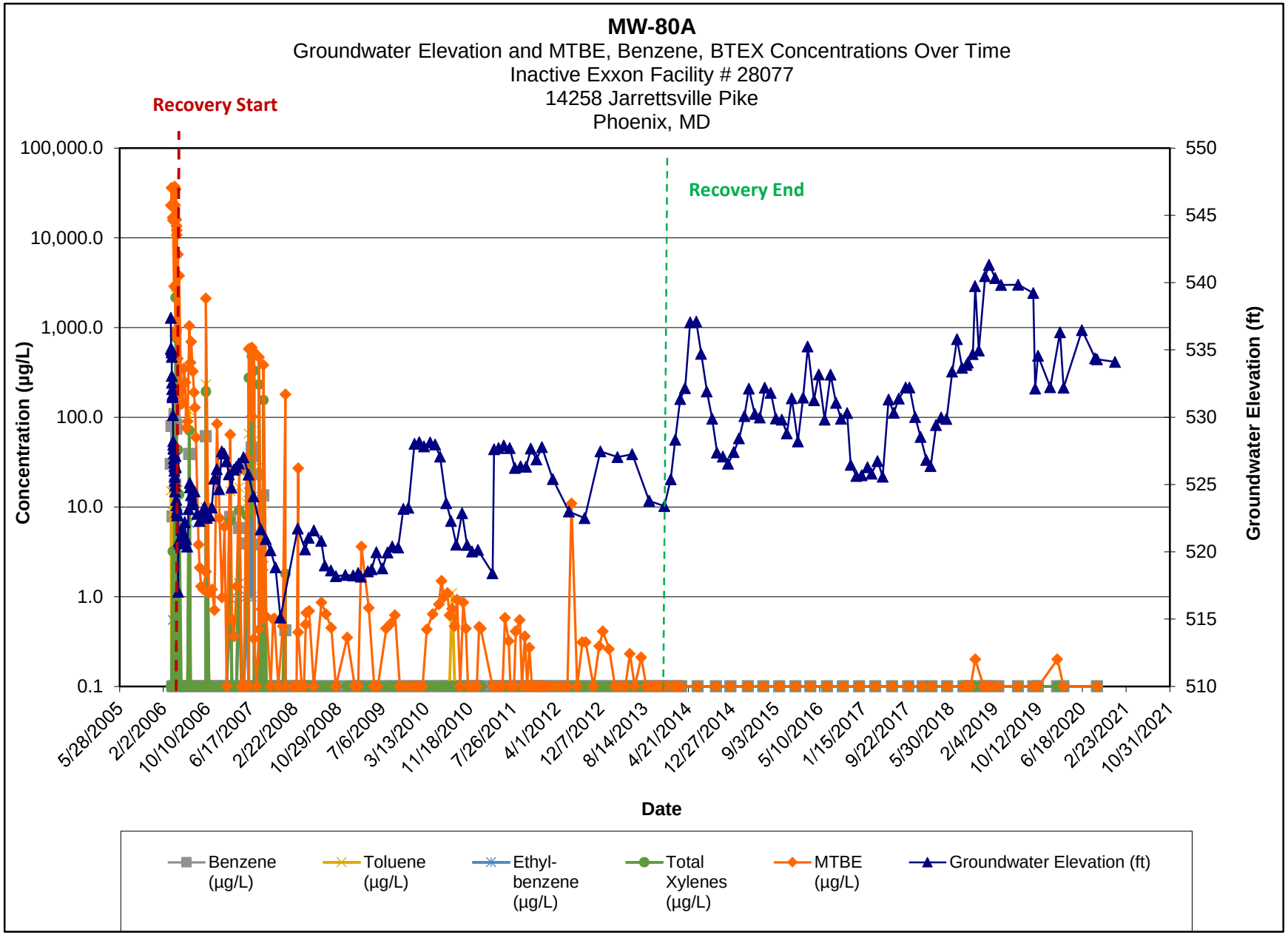
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



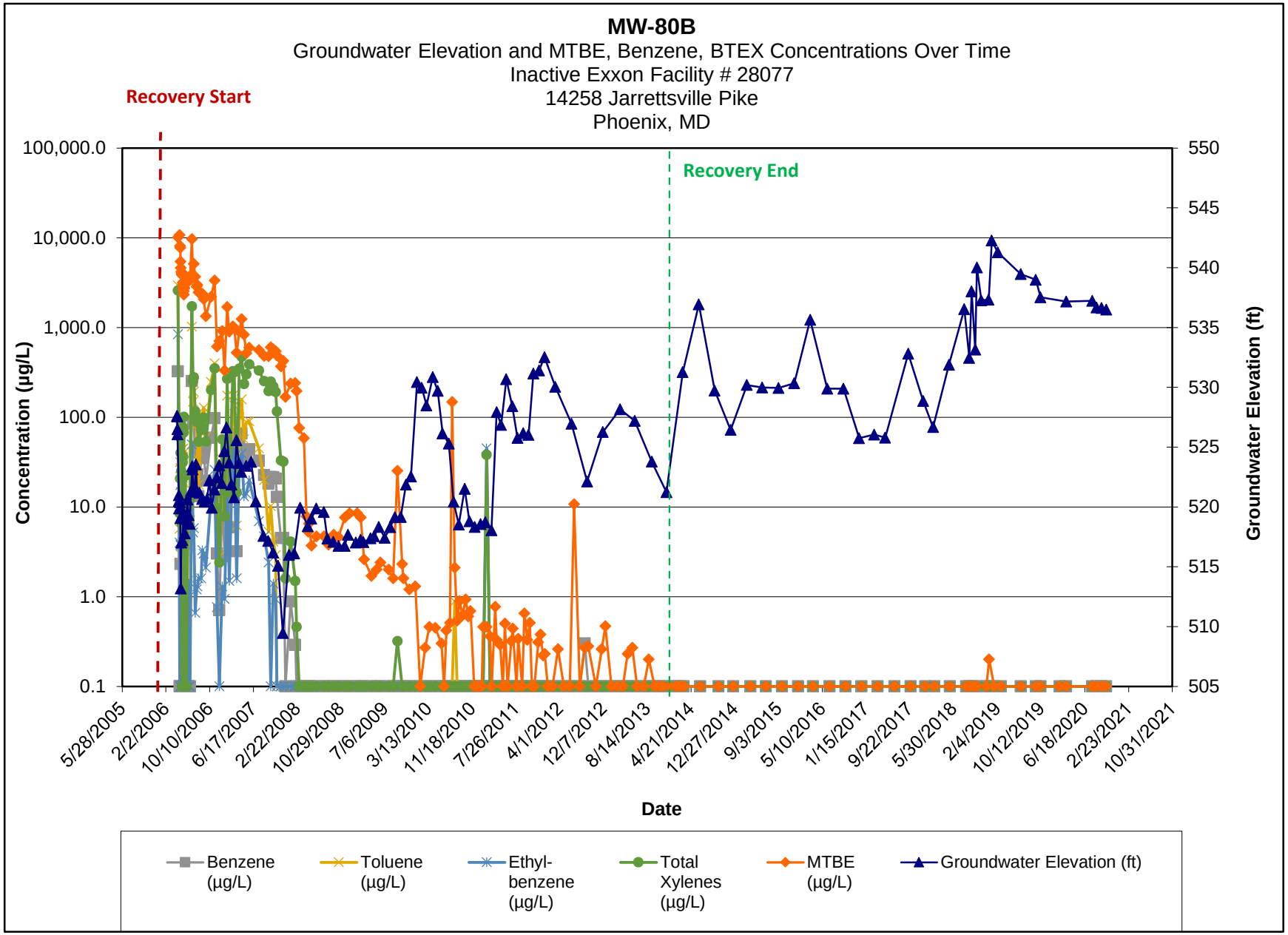
Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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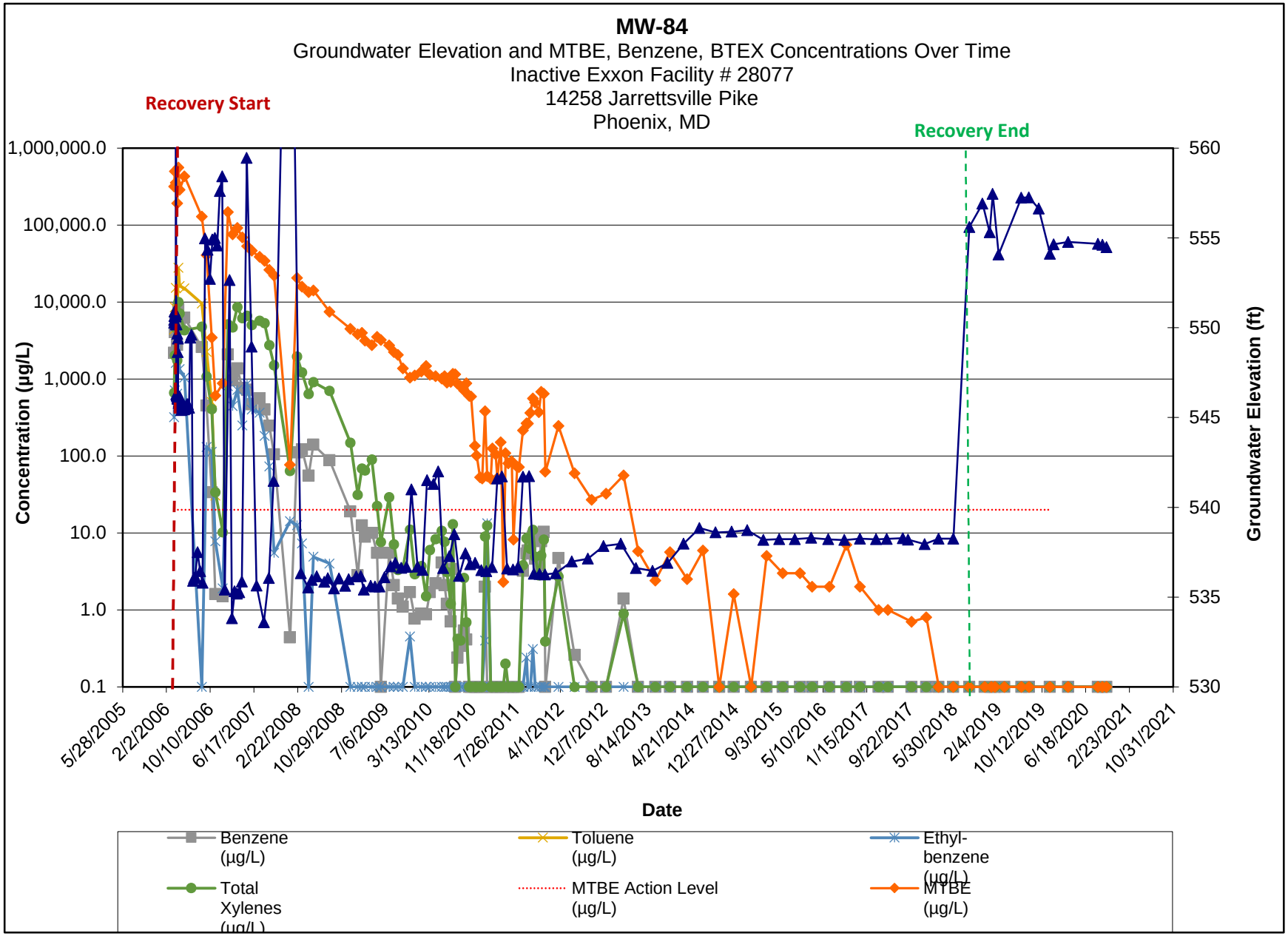

Note:
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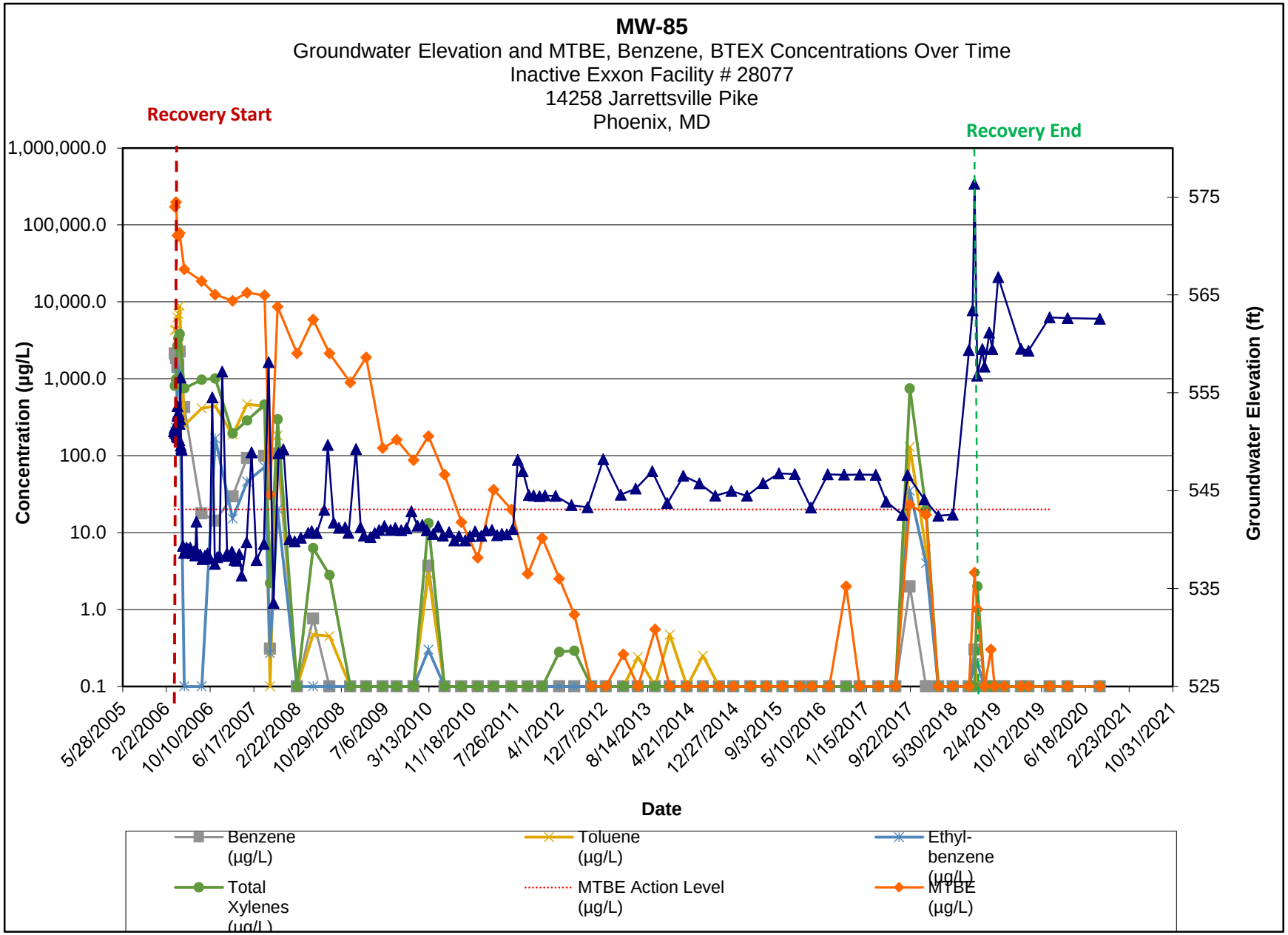
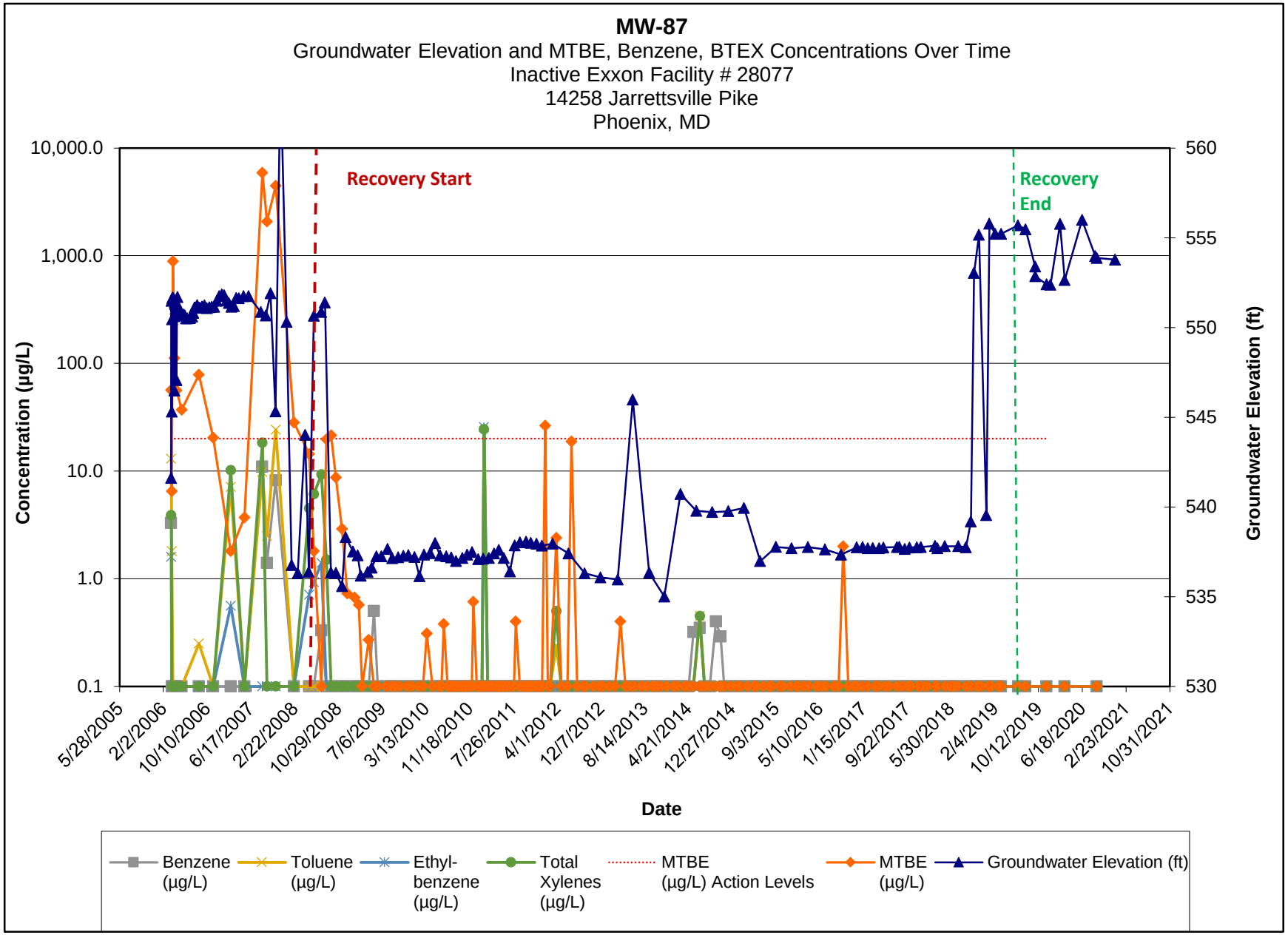


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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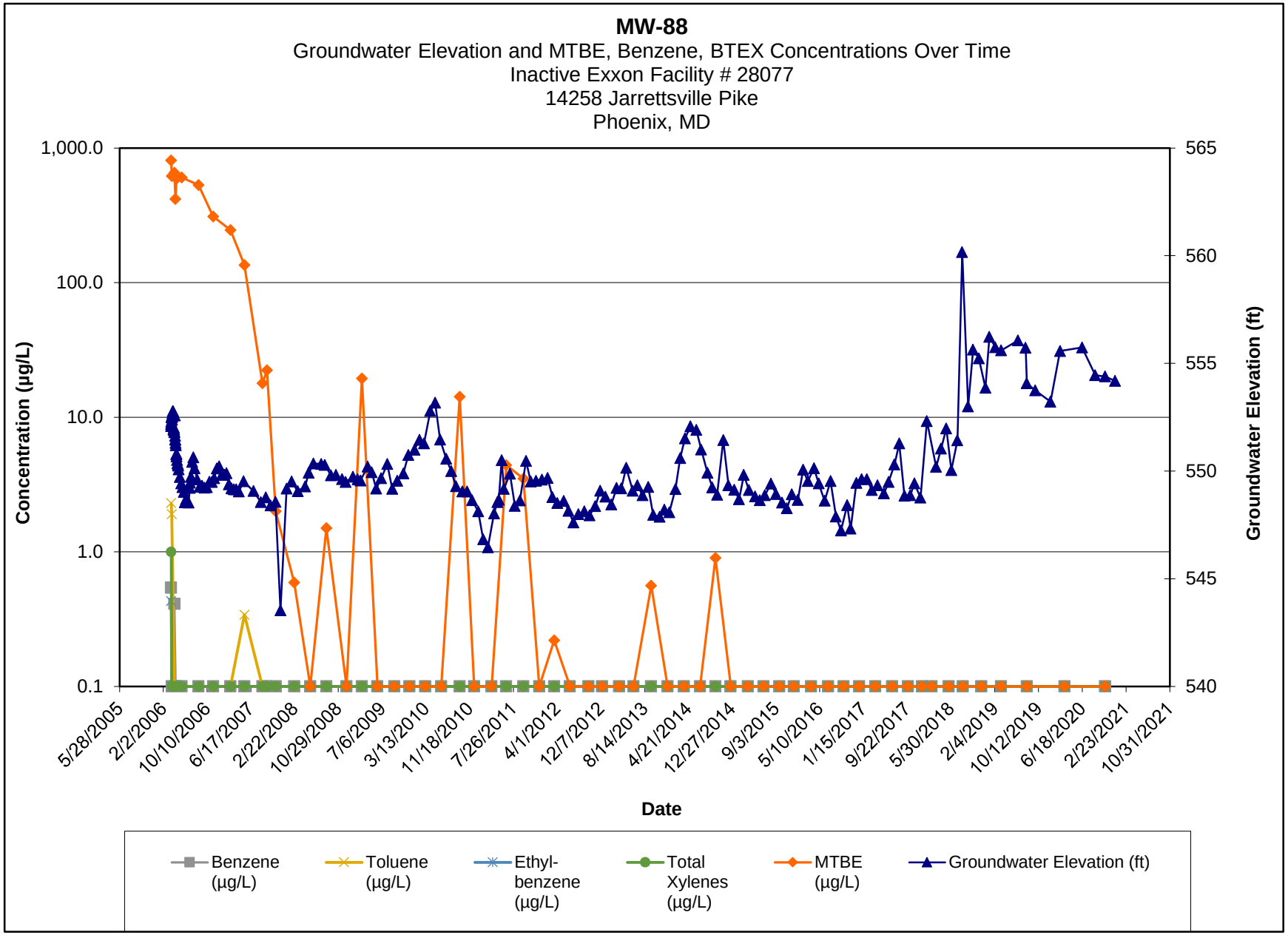

Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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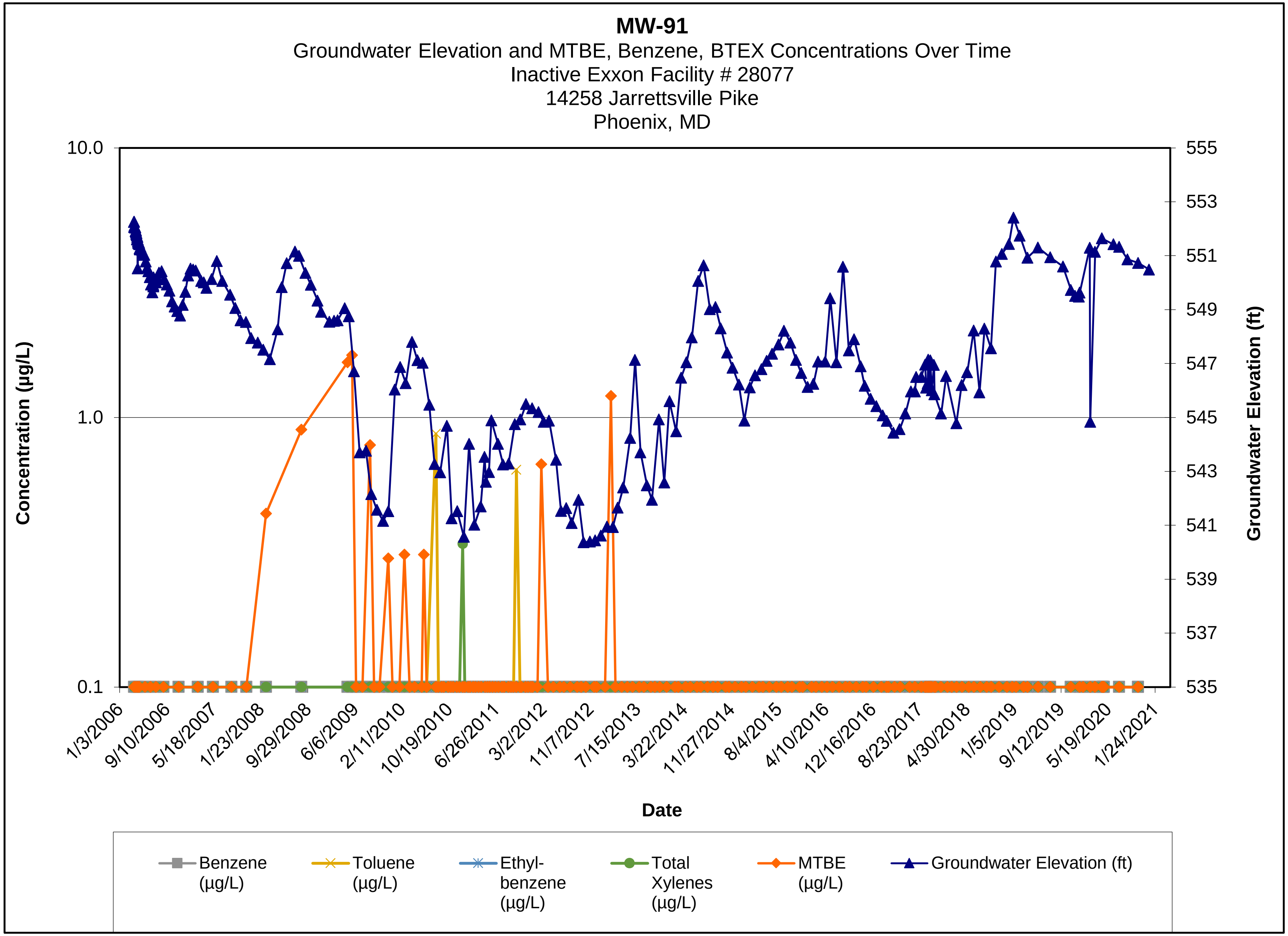
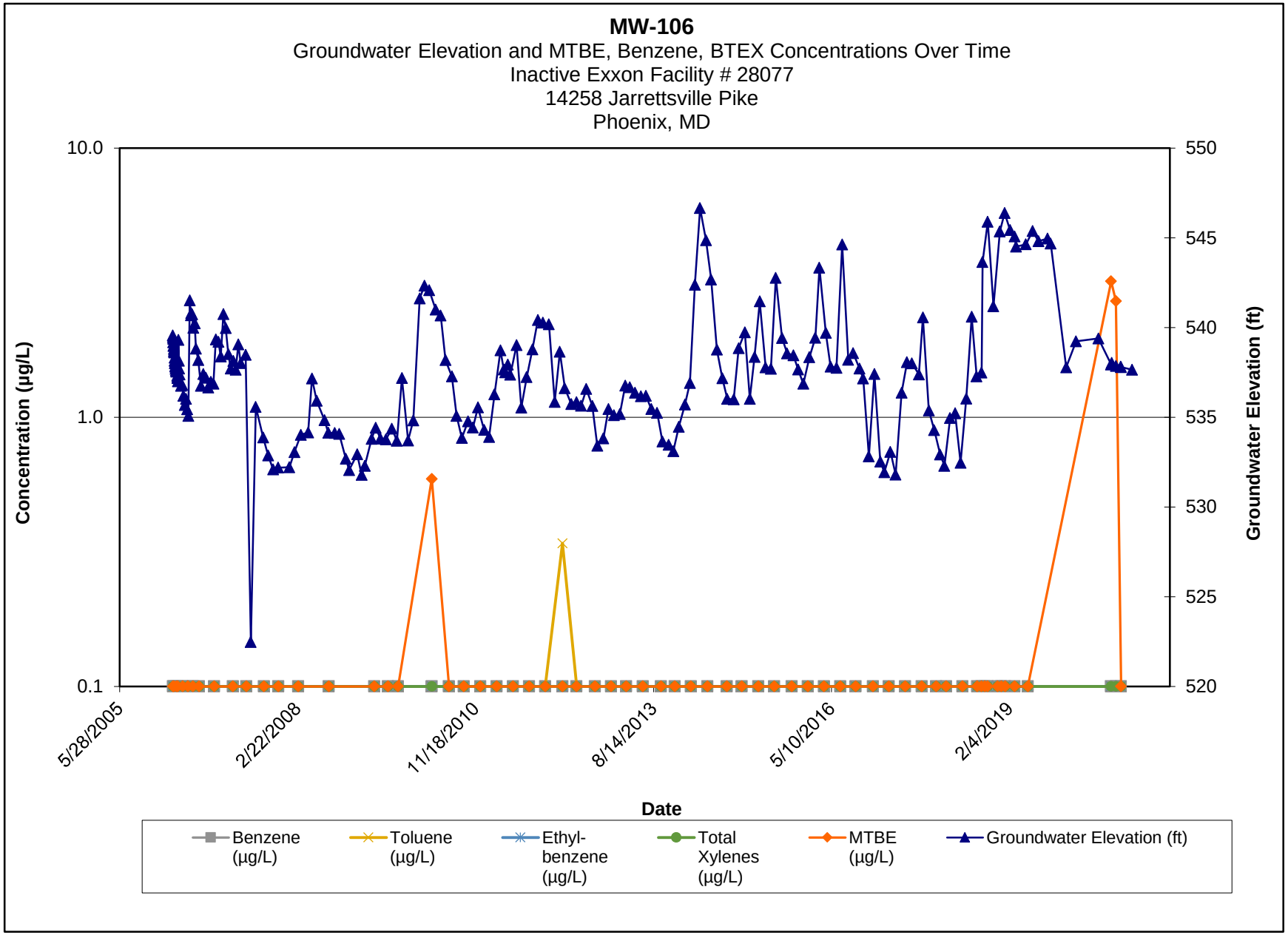


Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

2.) [R] - indicates well was used for remediation at time of reporting.



Note:
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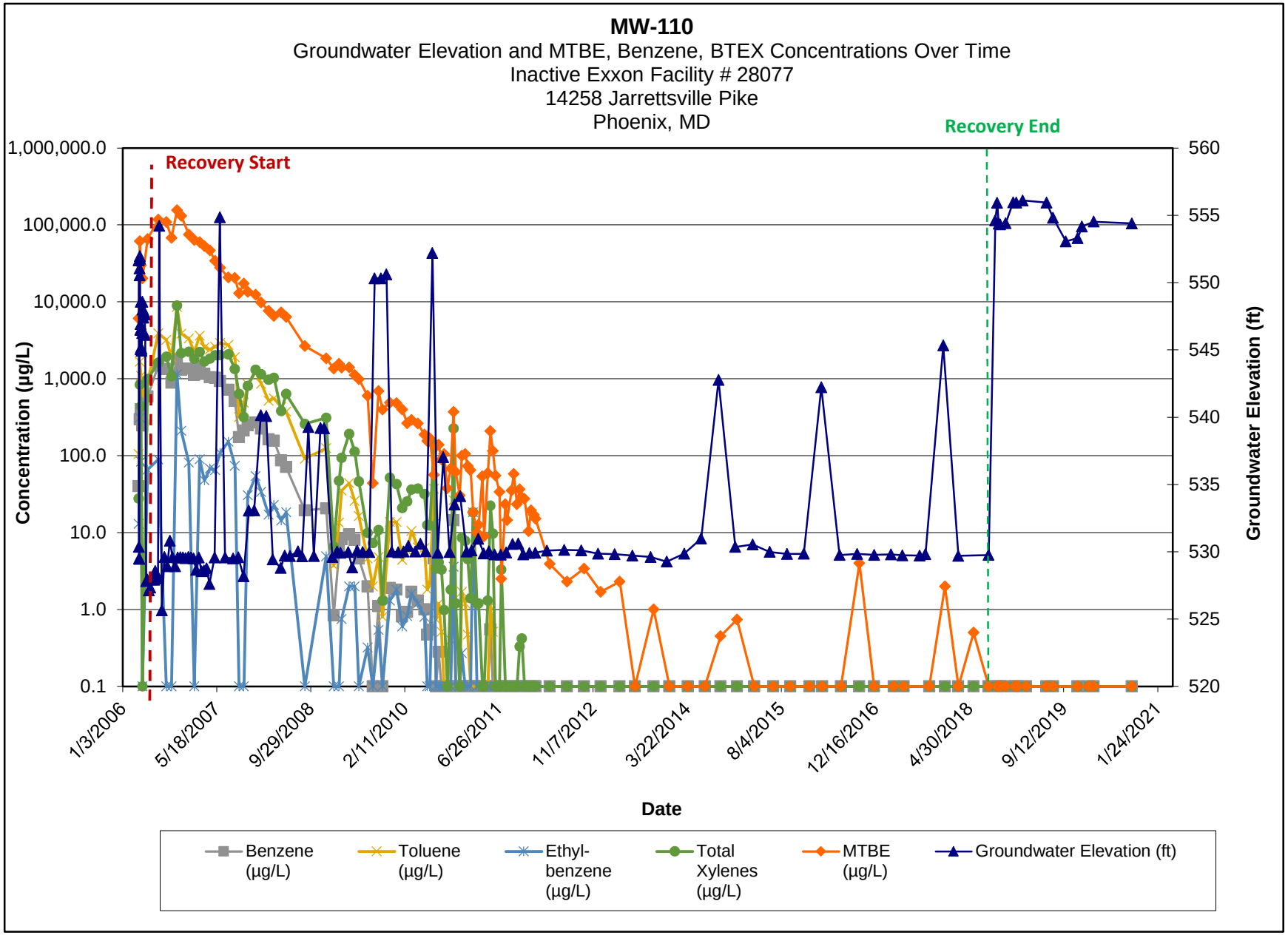
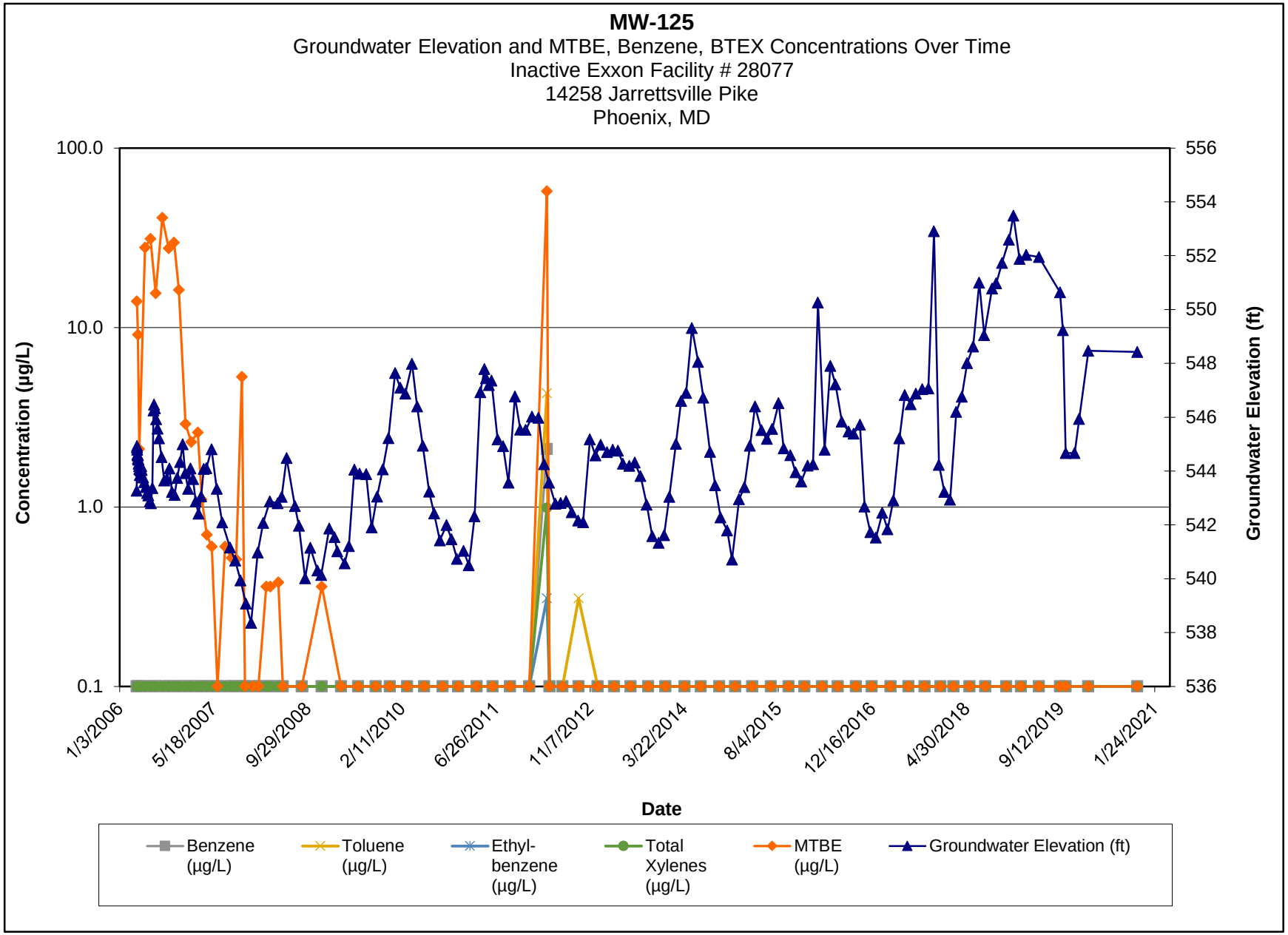
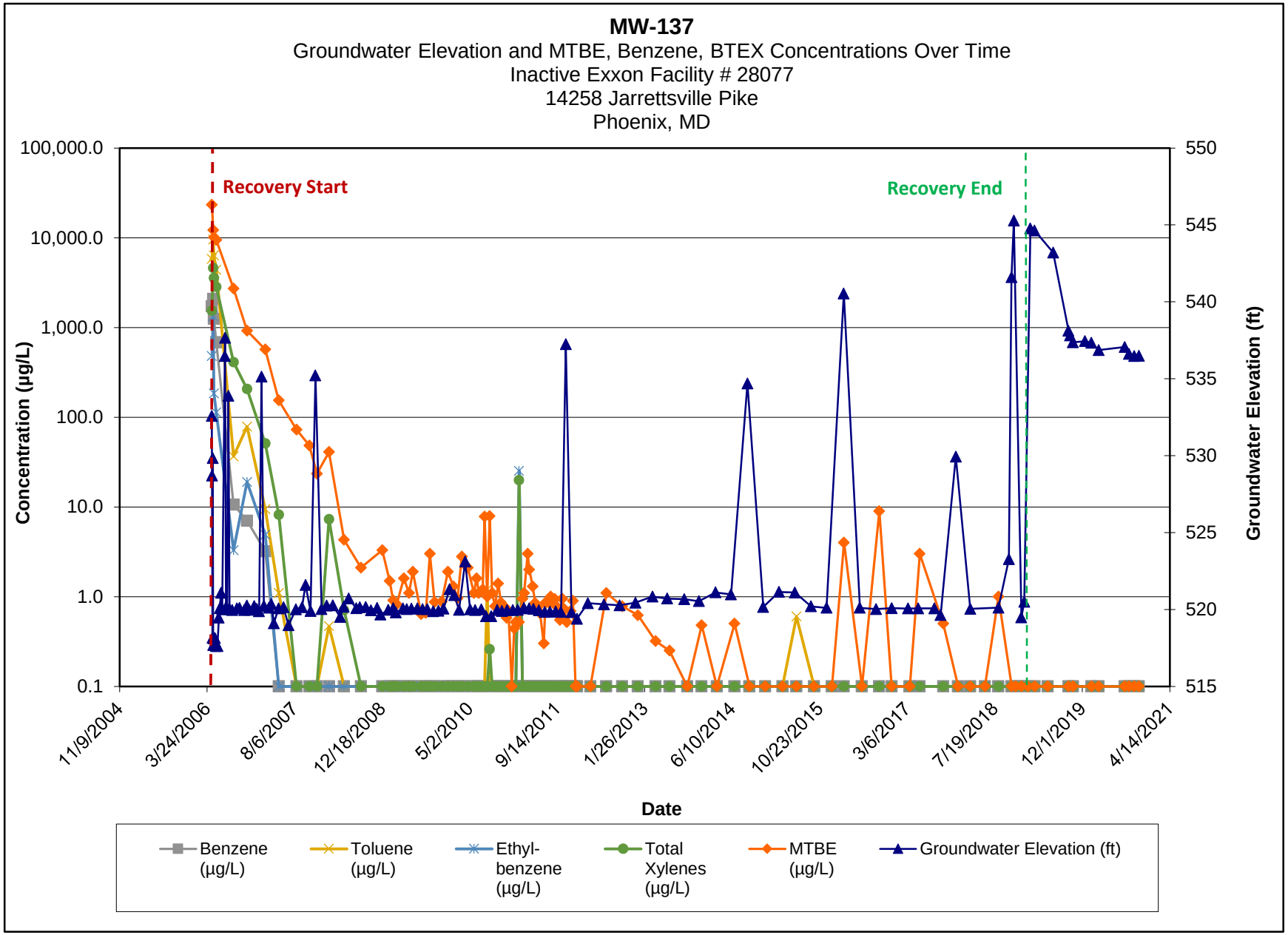


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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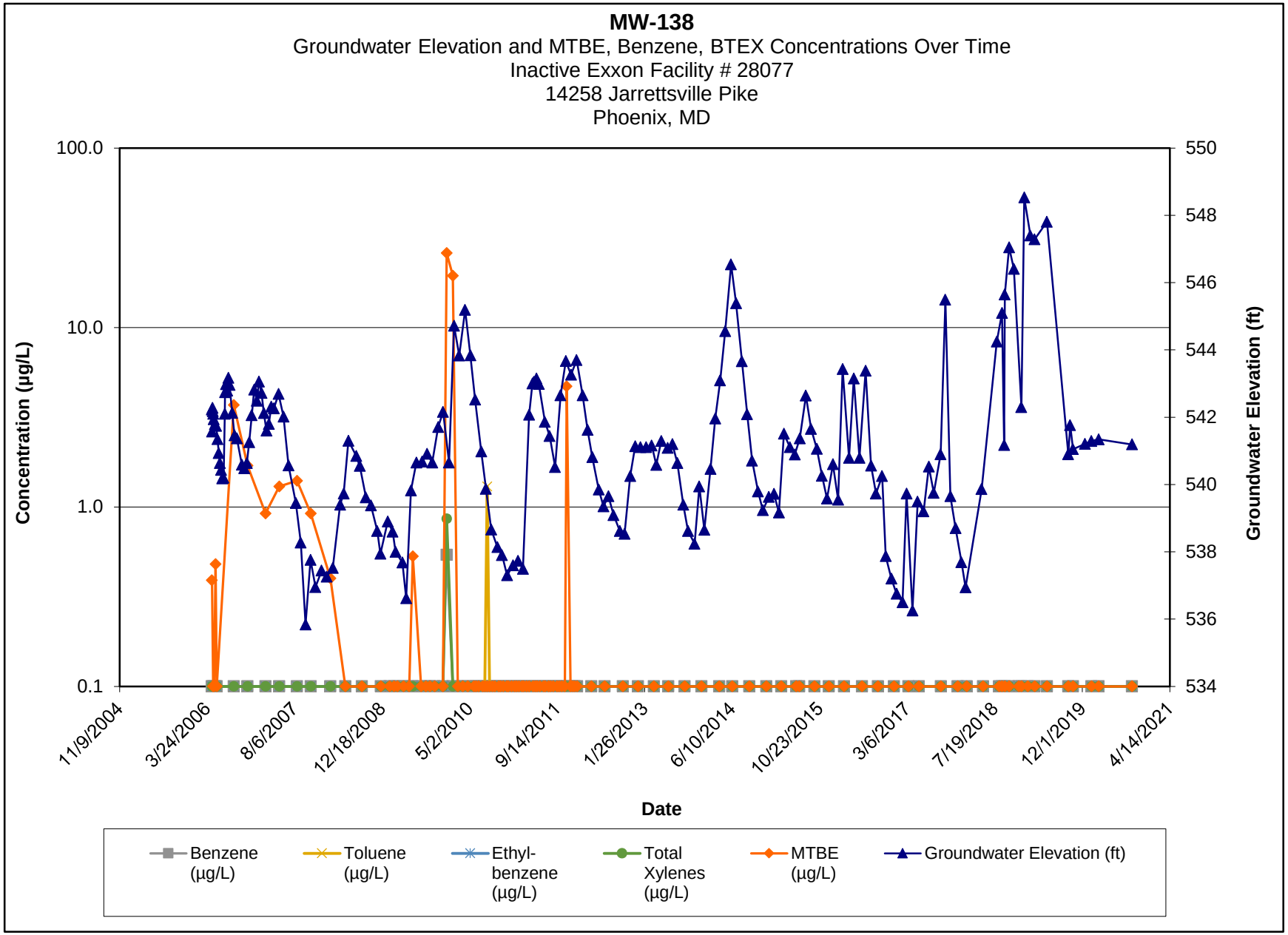

Note:
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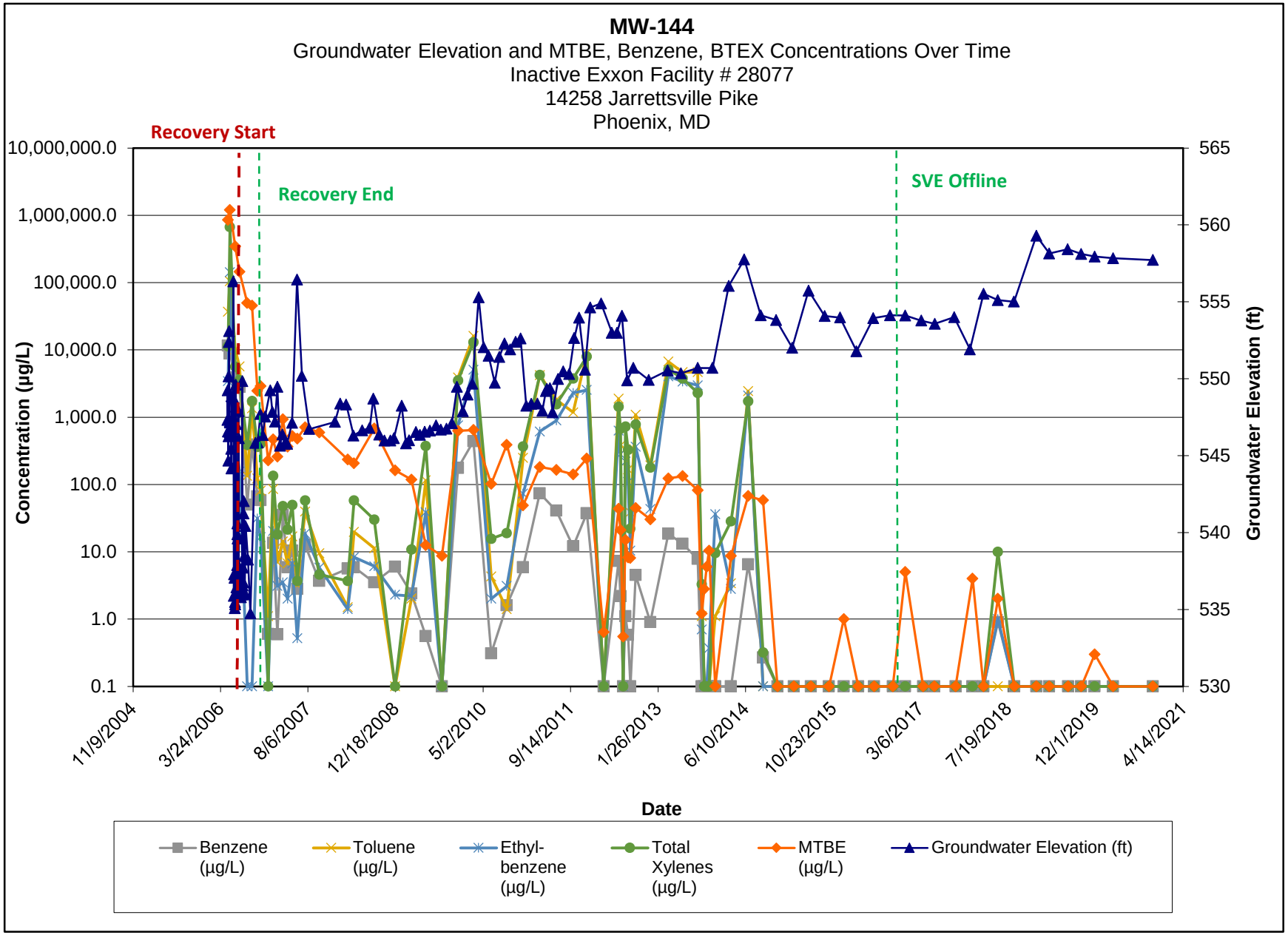
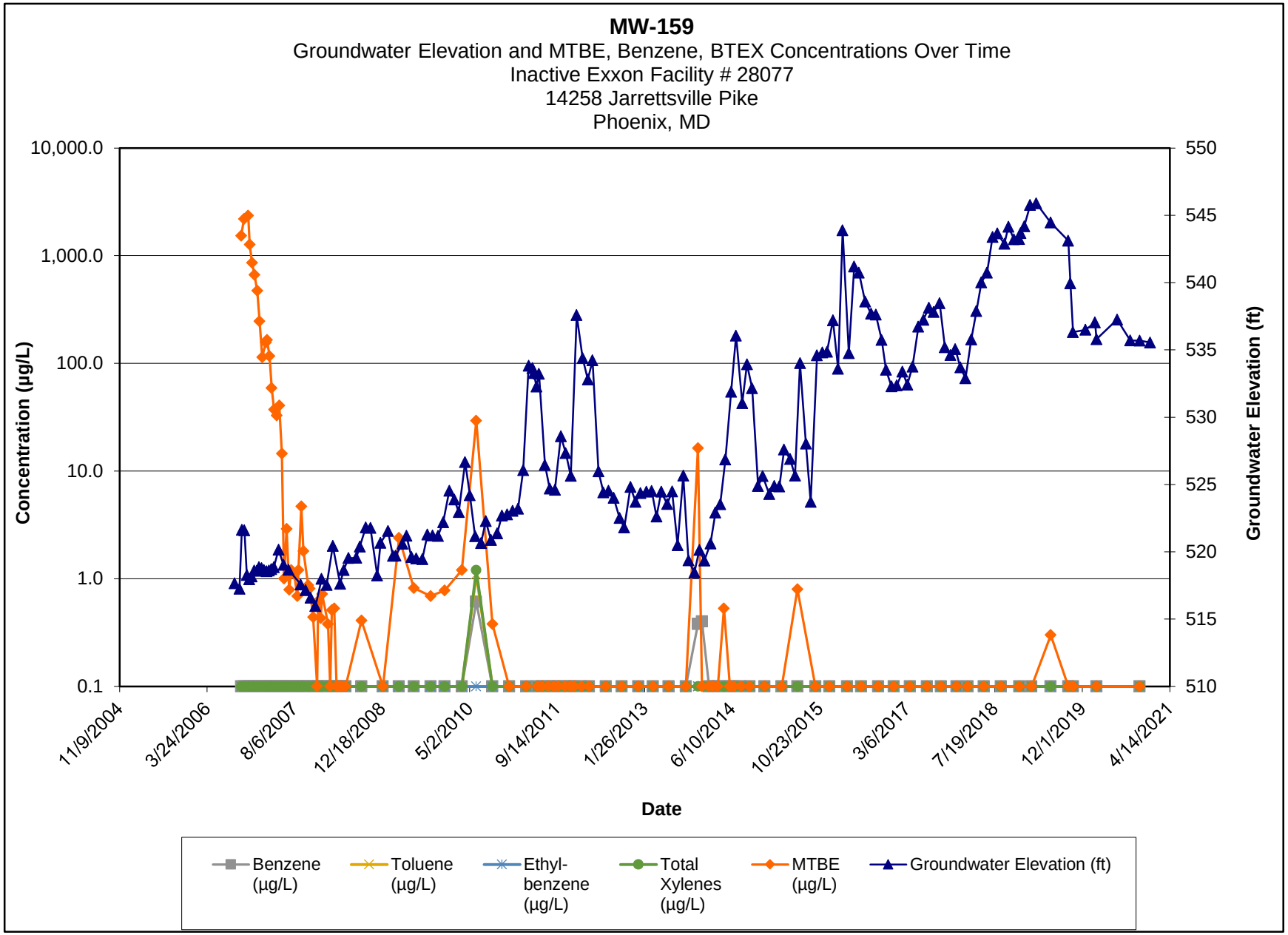


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
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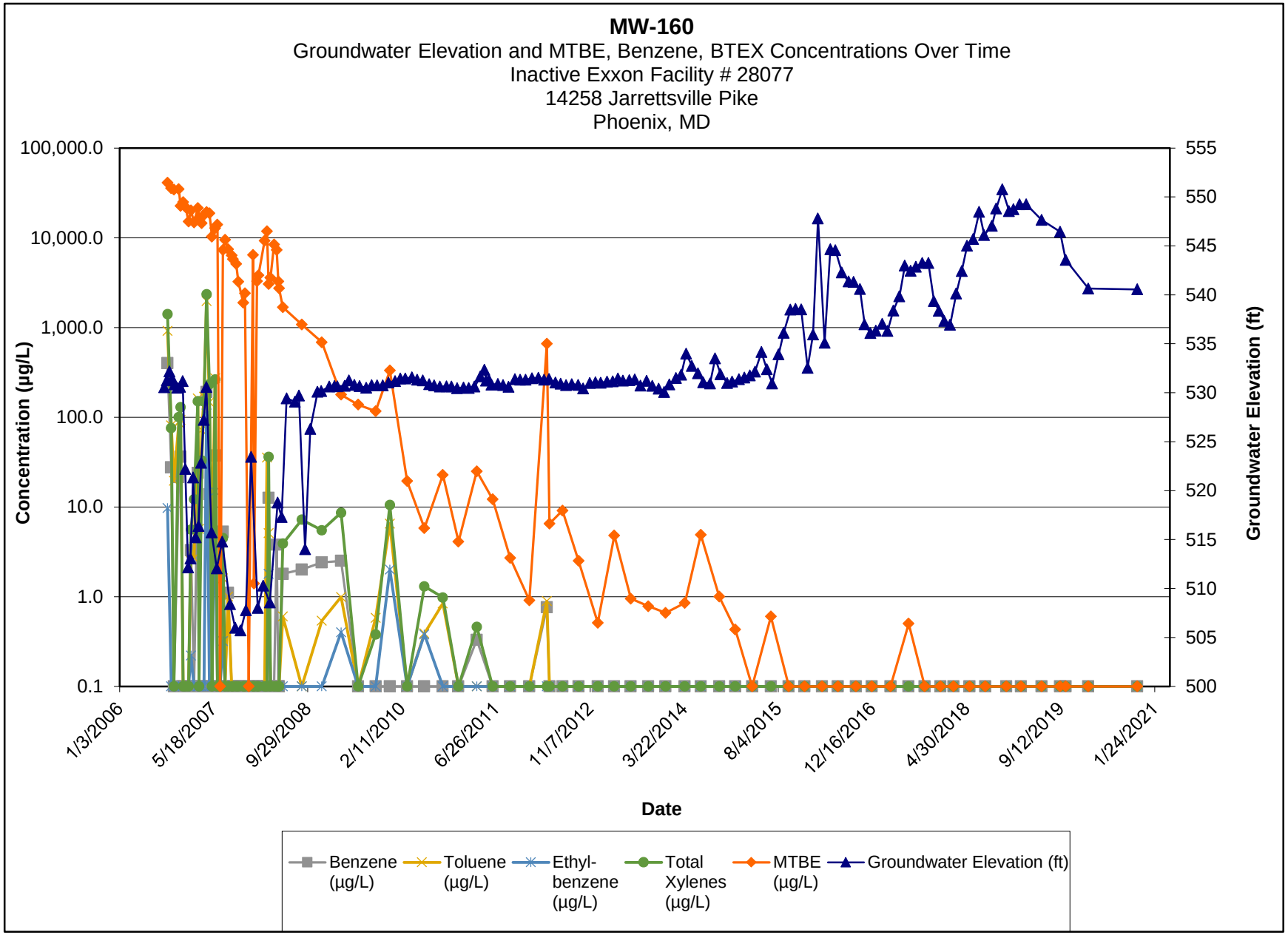

Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
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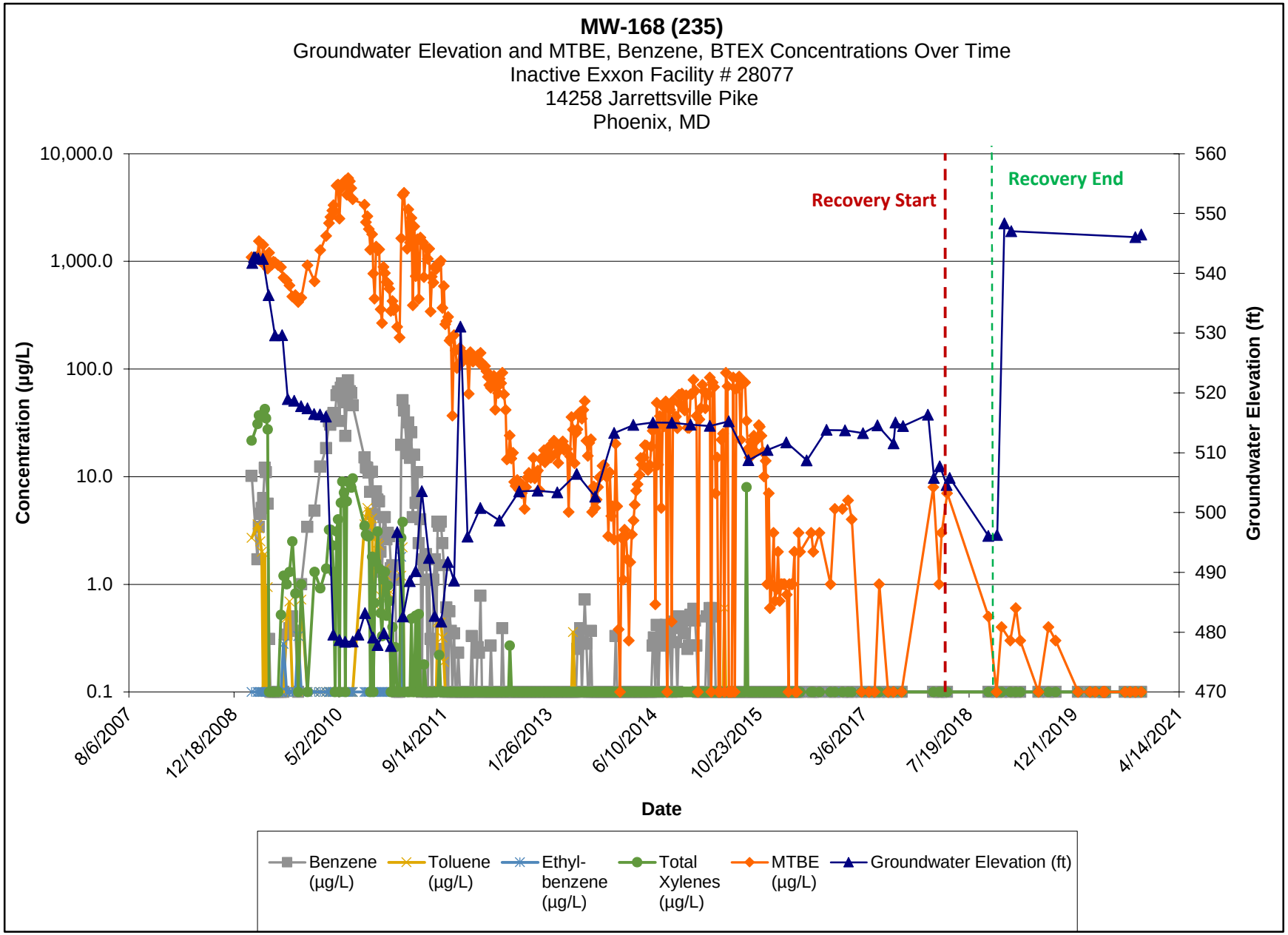

Note:
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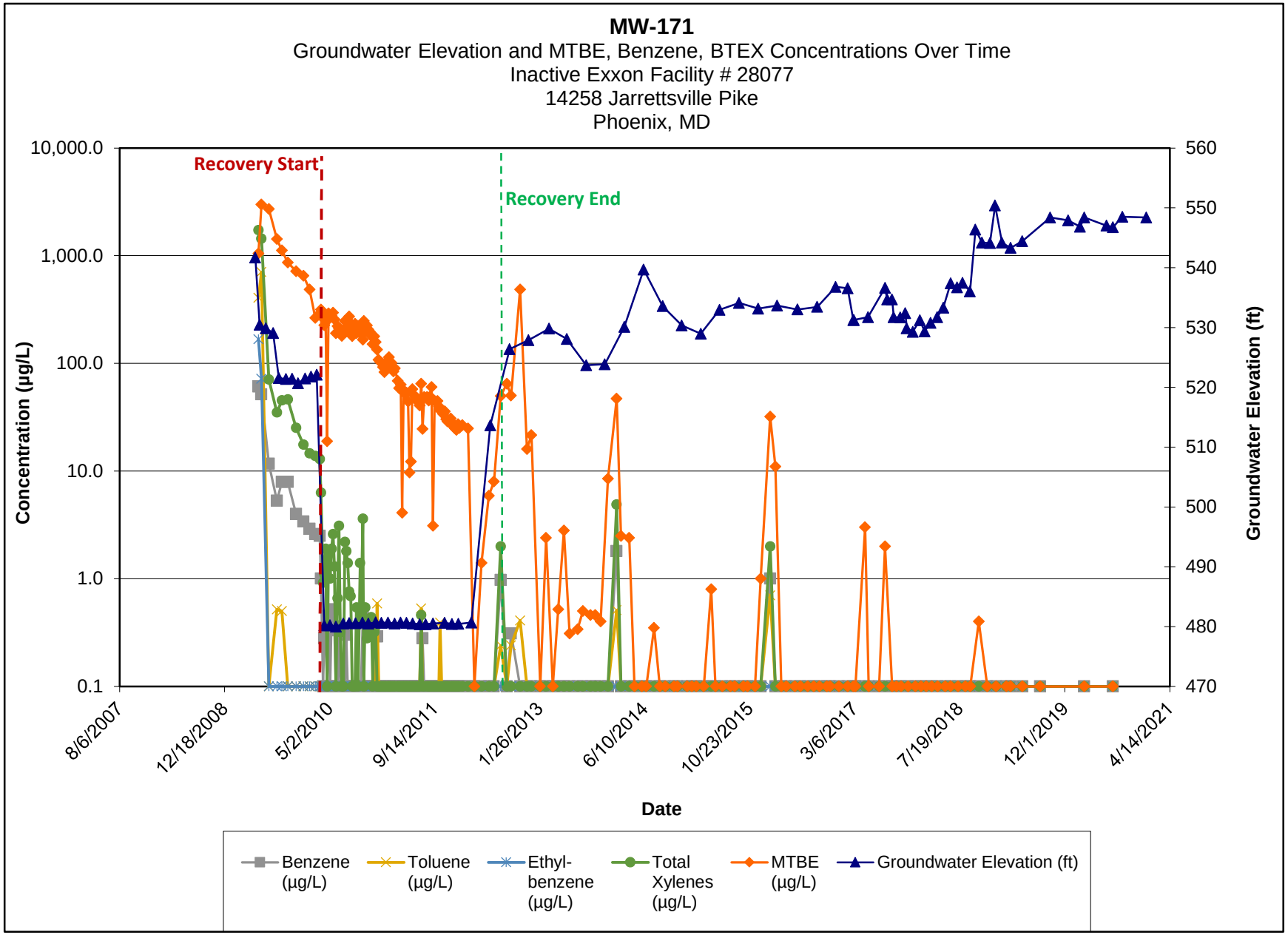
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
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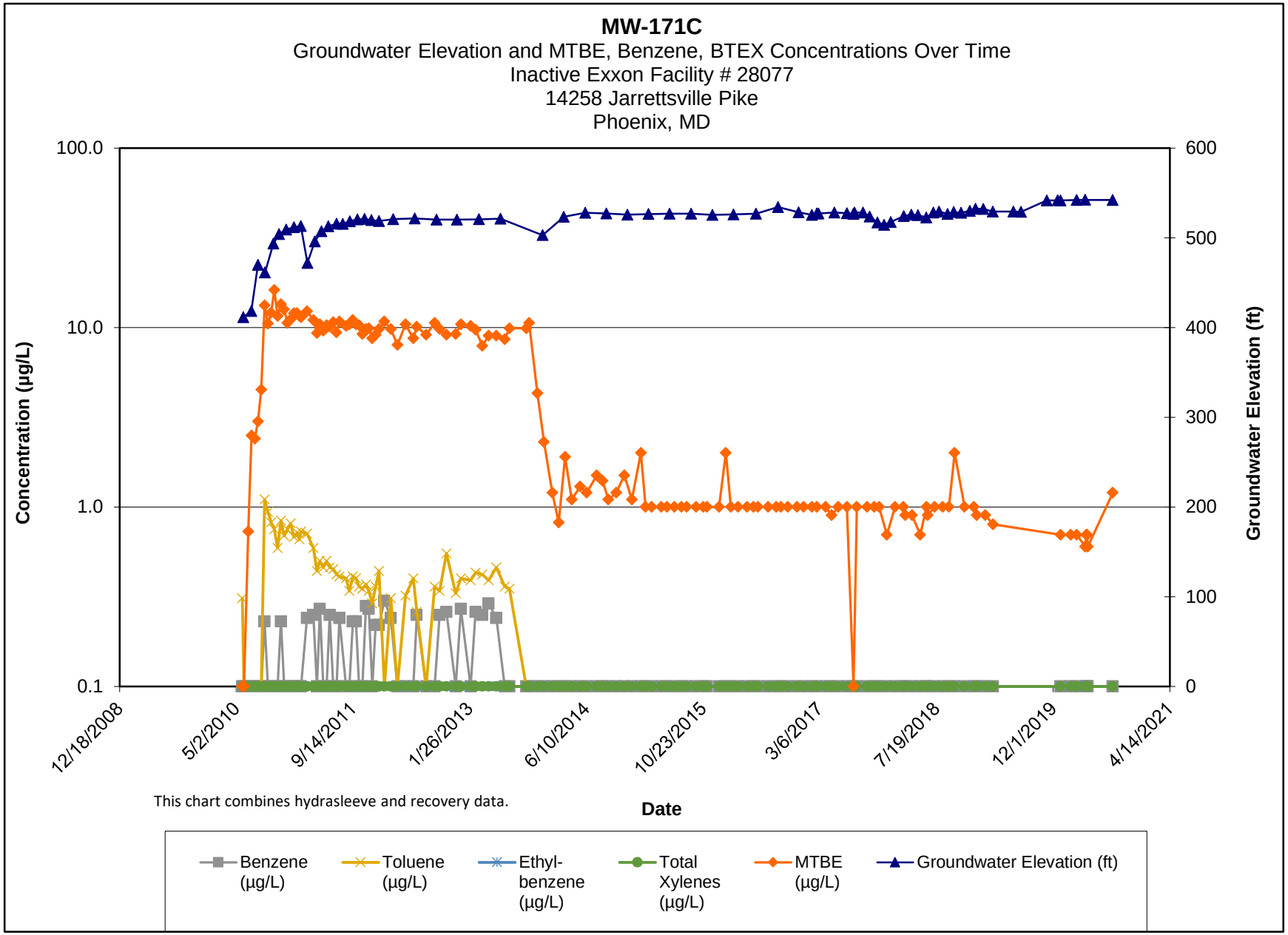
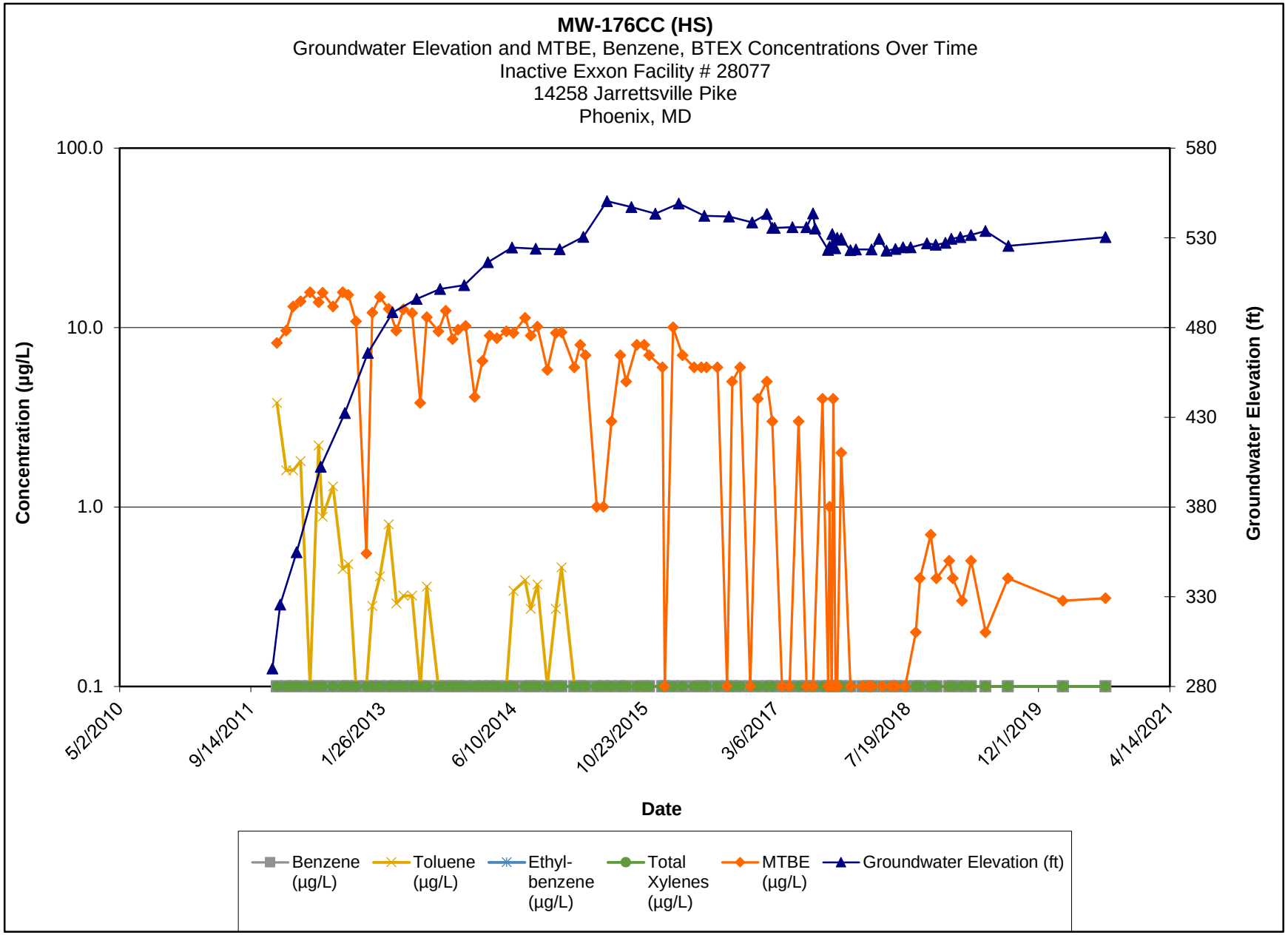
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



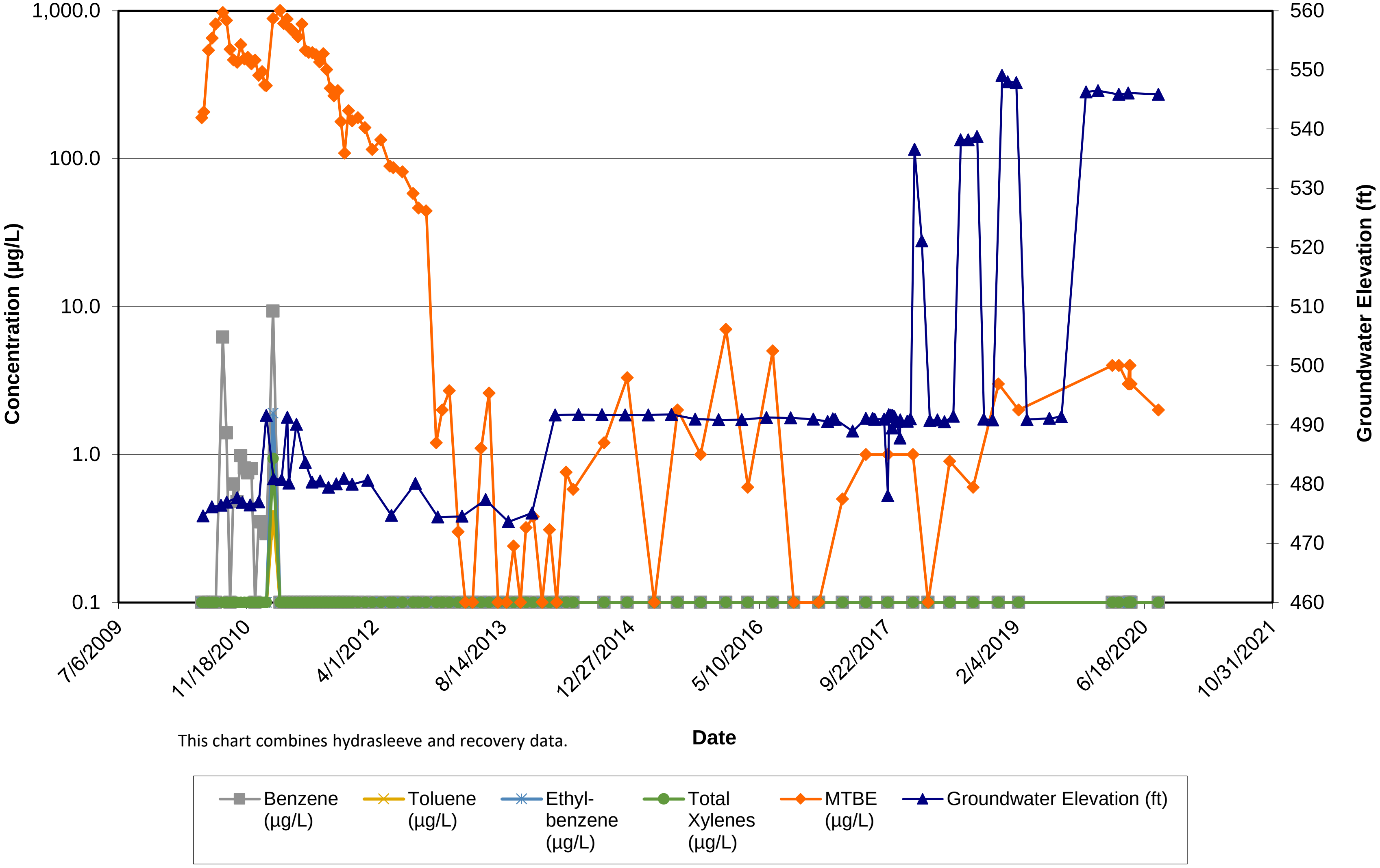
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



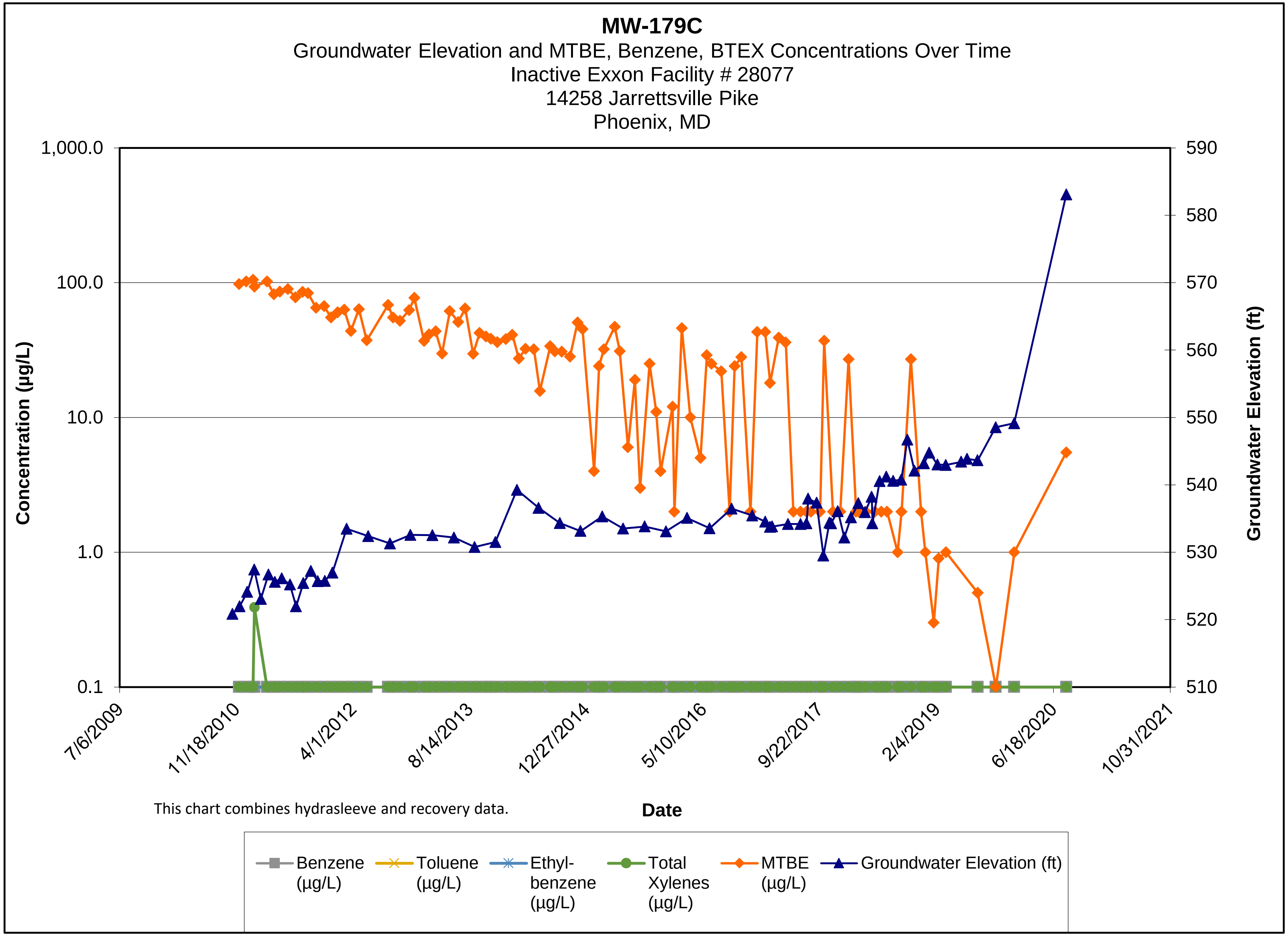
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.

MW-177

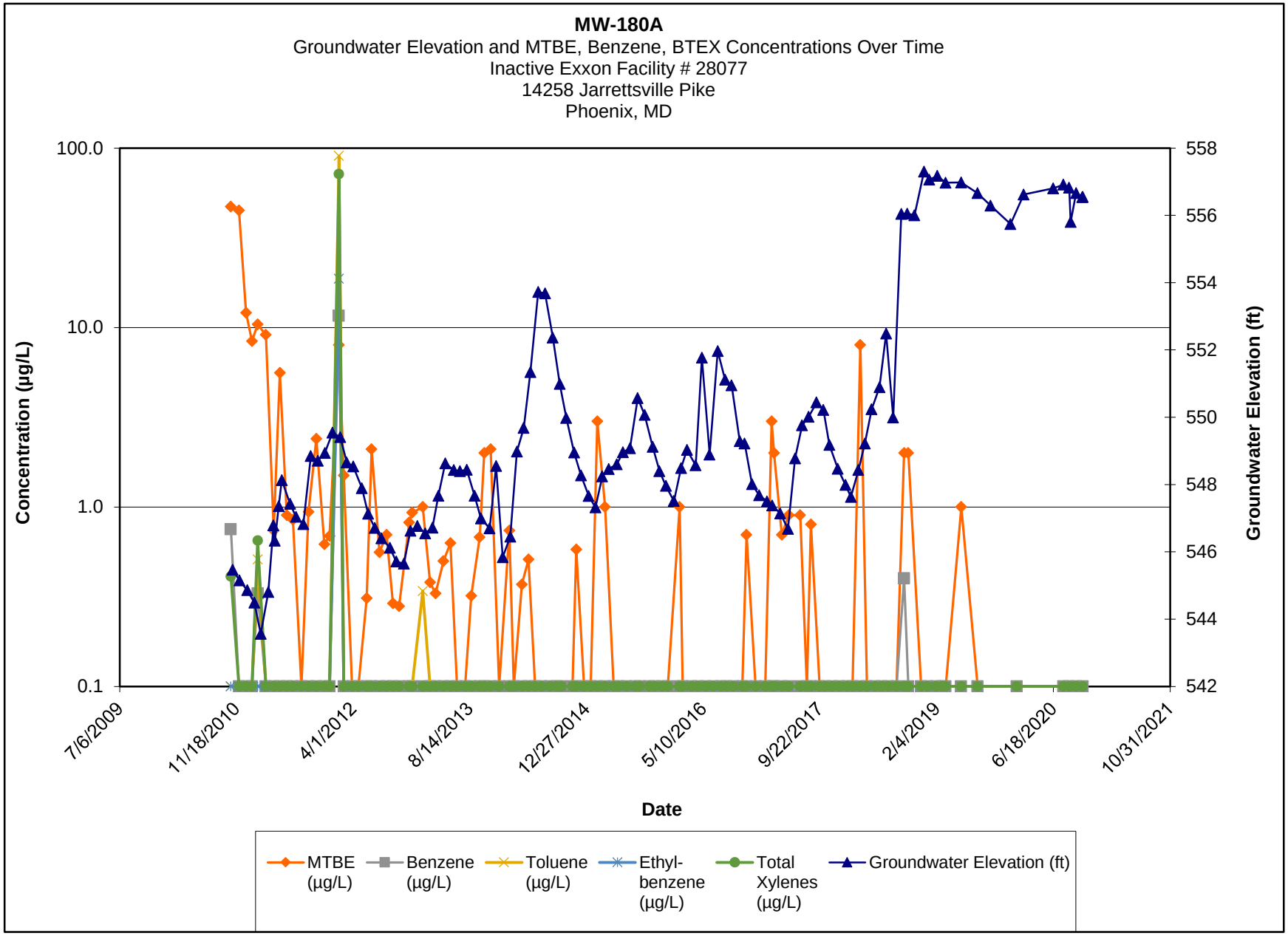
Groundwater Elevation and MTBE, Benzene, BTEX Concentrations Over Time
Inactive Exxon Facility # 28077
14258 Jarrettsville Pike
Phoenix, MD



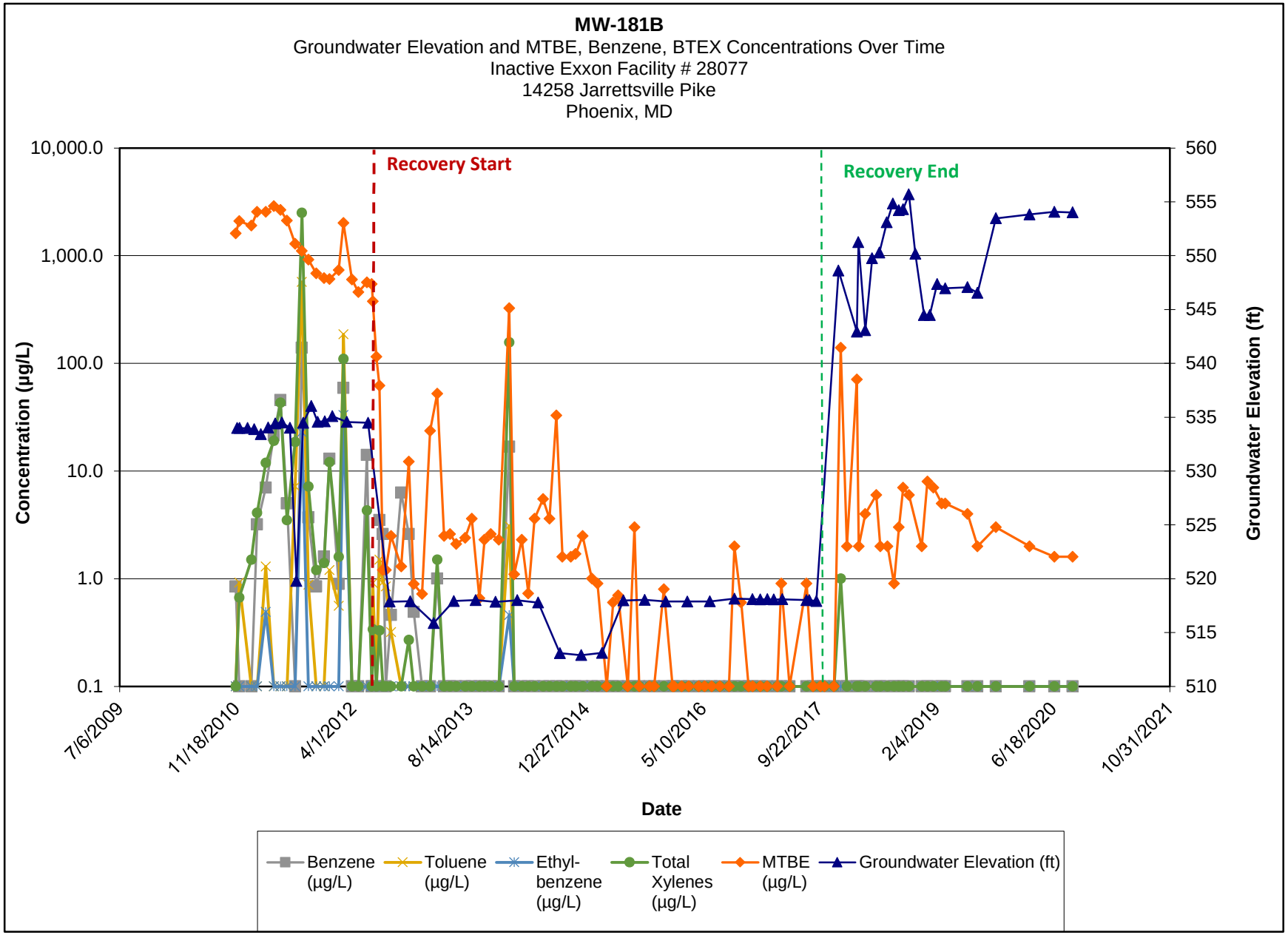
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) Discrete interval sample collected at the depth indicated using a HydraSleeve sampler.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.

APPENDIX C

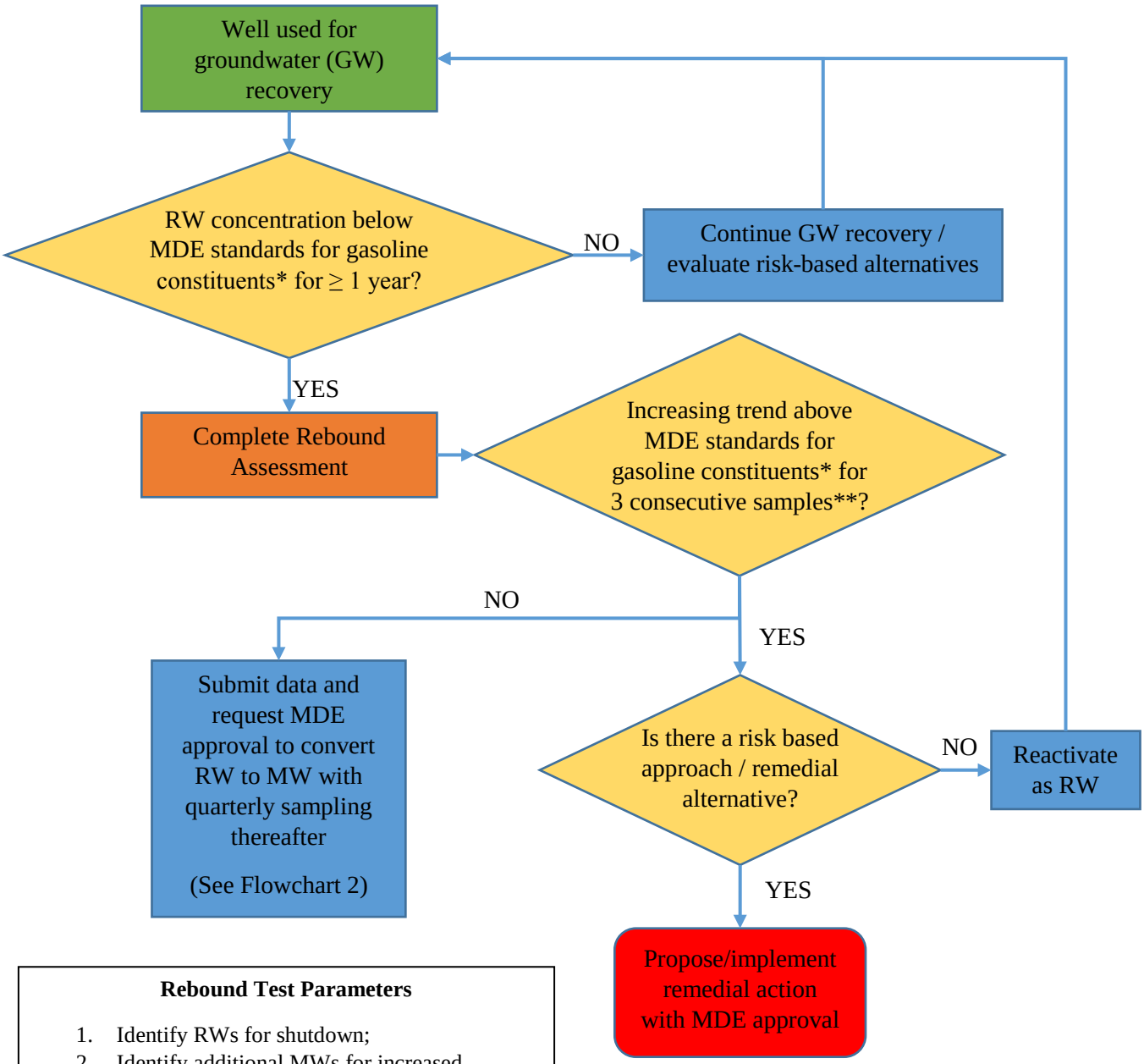
Decision Flowcharts

Flowchart 1
Conversion of Recovery Well to Monitoring Well

Effective January 1, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 1: Conversion of Recovery Well (RW) to Monitoring Well (MW)



Rebound Test Parameters

1. Identify RWs for shutdown;
2. Identify additional MWs for increased sampling during rebound period;
3. Submit proposed RW shutdown and rebound sampling plan to MDE for approval;
4. After RWs turned off, monitor RWs and selected additional MWs monthly for 3 months; then continue monitoring quarterly thereafter.

*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

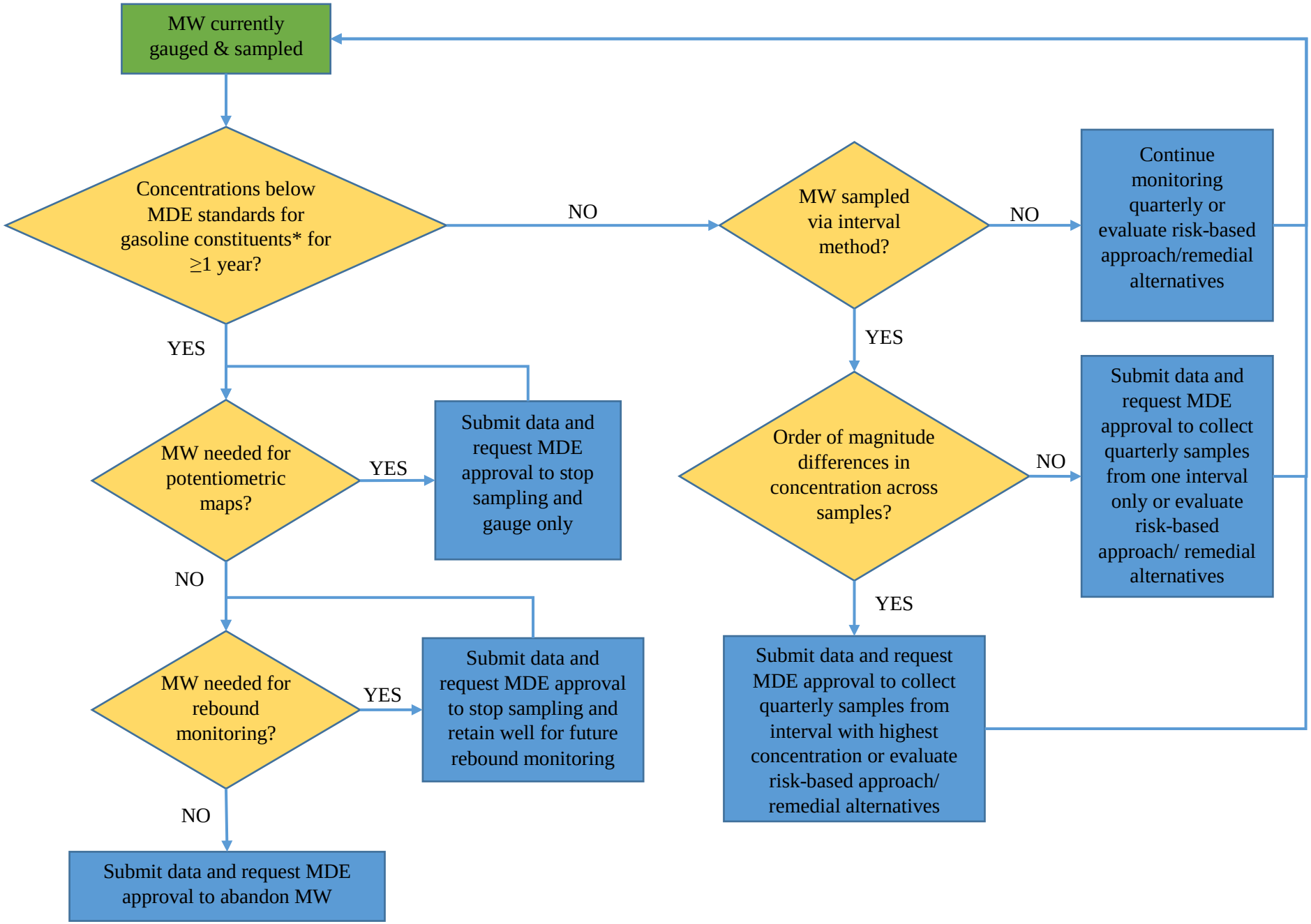
**Three consecutive increasing sample results all above MDE standards for gasoline constituents

Flowchart 2
Discontinuation of Sampling/Gauging and Abandonment of a Monitoring Well

Effective January 1, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 2: Monitoring Well (MW) Sampling and Abandonment



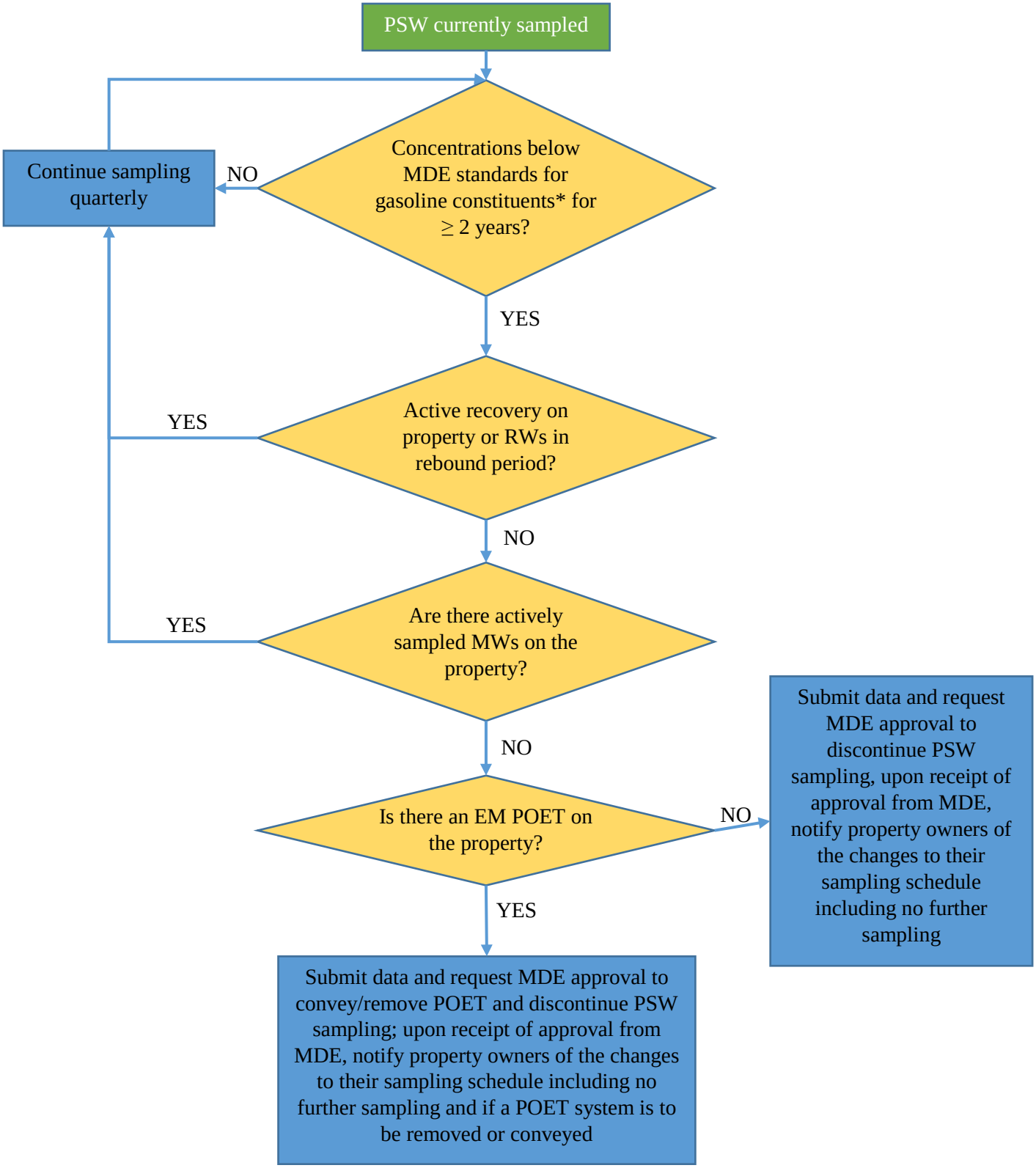
*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

Flowchart 3
Discontinuation of Sampling a PSW and Conveyance or Removal of POET

Effective June 6, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 3: Private Supply Well (PSW) Sampling



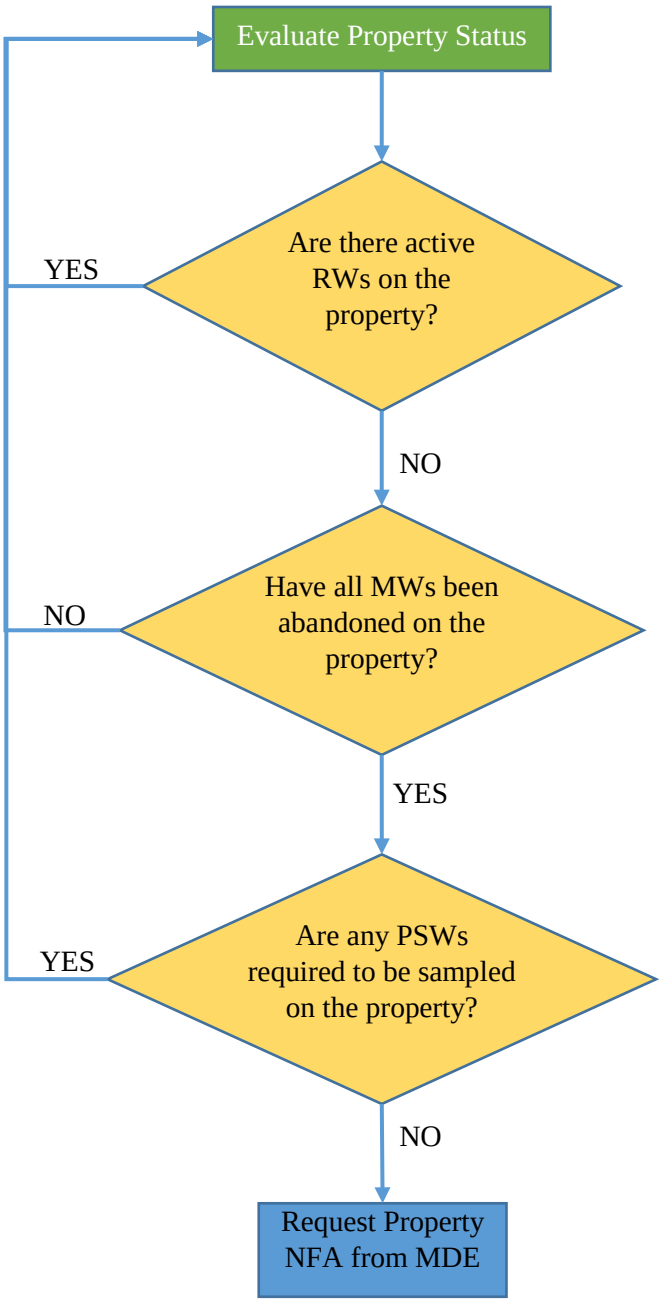
*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

EXHIBIT F

Flowchart 4
Submittal of No Further Action Request

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 4: No Further Action (NFA) Requests by Property



NFA Requests and Approvals

Most NFA requests that are submitted by ExxonMobil and NFA granted by MDE will contain a list of property addresses in order to reduce the administrative burden associated with processing a separate NFA for each address. All efforts will be made to include an entire street or neighborhood in the list of addresses being submitted in a request. However, there may be the exception where an NFA is required for only one or a few addresses separate from other addresses on the street or in the neighborhood.