AMMENDED SITE CHARACTERIZATION REPORT

Park Station
29558 Great Cove Road
Fort Littleton, Dublin Township
Fulton County, Pennsylvania

MEI 039.0001

APRIL 2020

Prepared for:

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EXECUTIVE SUMMARY

McKee Environmental, Inc. (MEI), on behalf of Park Station, has prepared this site characterization report to document the investigations performed on the Park Station facility located at 29558 Great Cove Road, Fort Littleton, Dublin Township, Fulton County, Pennsylvania. The Site is operated as a retail fuel facility with a convenience store and vehicle repair garage.

A routine potable water sample collected and submitted for monthly analyses reportedly contained a fuel odor. Therefore, a Site investigation was requested by the PaDEP to assess the subsurface conditions. MEI supervised the drilling of multiple soil borings, groundwater monitoring wells, and soil vapor wells and conducted the media sampling. Several soil groundwater samples collected as part of the characterization revealed impact in excess of their respective medium specific concentrations (MSCs) for both Residential and Non-Residential Statewide Health Standards (SHS-R and SHS-NR) per the PADEP Act 2 program.

A total of 13 soil borings and groundwater monitoring well borings were installed around the site to delineate impacted soil. The impacted footprint stretches the Great Cove Road right of way southeast beneath the convenience store and includes groundwater monitoring wells MW-4 and offsite to groundwater monitoring well MW-9. The impacted soil exists at depths from 10-35 feet below ground surface.

Two soil vapor wells were installed adjacent to the convenience store to assess the soil vapor quality. One of the wells, VW-2, located as close as possible to the impacted groundwater monitoring well MW-1 and the potable well, contains excessive concentrations of fuel parameters.

A total of 13 groundwater monitoring wells have been installed both on the site and offsite to delineate the impacted groundwater plume. The footprint covers the center portion of the Site from Great Cove Road offsite to the southeast, migrating toward the Pennsylvania Turnpike.

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1.0 INTRODUCTION

This document is a Site Characterization Report (SCR) completed for the Park Station facility located at 29558 Great Cove Road, Fort Littleton, Dublin Township, Fulton County, Pennsylvania (hereafter referred to as "the Site"). A Site Location Map is provided as **Figure 1** while a Site Layout is provided as **Figure 2**.

A routine potable water sample contained a fuel odor which prompted the analytical laboratory to report it. A subsequent potable water sample submitted to a different analytical laboratory revealed fuel concentrations that exceed their respective medium specific concentrations (MSCs). Therefore, a site characterization was requested by the PaDEP.

Site characterization activities were completed in accordance with 25 PA Code Chapter 245 (Storage Tank and Spill Prevention), 25 PA Code Chapter 250 (The Land Recycling and Environmental Remediation Standards Act [Act 2]), the December 1997 Pennsylvania Department of Environmental Protection (PADEP) Final Draft Technical Guidance Manual, and the January 24, 2004, Vapor Intrusion into Buildings from Groundwater and Soil guidance under the Act 2 Statewide Health Standards ("PADEP Vapor Intrusion Policy").

This report addresses the site characterization and remedial activities conducted following the conclusion of the reported release at the Site.

In accordance with §245.304, the objectives of the Site Characterization Activities were to:

- Establish current site conditions;
- Determine or confirm the source(s) of soil and groundwater contamination;
- Provide sufficient physical and chemical data through field investigations to determine the regulated substances involved and the extent of migration of those regulated substances into surface water, groundwater, soil, or sediment;
- Determine, from measurements at the site, values for input parameters including hydraulic conductivity source dimensions, water table fluctuations, and chemical characteristics and fluctuations necessary for fate and transport analyses;
- Provide sufficient information to select a remediation standard;

- Provide sufficient information to allow for the completion of a remedial action plan or design for remedial action;
- Determine what additional measures are necessary, if any, to mitigate impacts to human health and the environment.

To achieve these objectives, MEI reviewed the history of the Site, the surrounding properties, and historical land uses. Soil and groundwater samples were analyzed for compounds typically found in association with unleaded gasoline. The data developed from these activities were evaluated with respect to the current PADEP State Wide Health Standard (SHS) regulations.

2.0 FACILITY DESCRIPTION

2.1 Location

The Site is currently operational and sits east of Great Cove Road (SR 522) and in between it and the Pennsylvania Turnpike. The Site is located in Dublin Township, Fulton County, Pennsylvania and can be located on the Burnt Cabins, Pennsylvania, 7.5-minute, U.S.G.S. Topographic Quadrangle Map, at an approximate latitude of N 40*03'10.46" and an approximate longitude of W 77*57'35.03" (**Figure 1**). The Site layout is presented in **Figure 2**.

2.2 Facility Description

The subject property slopes severely east behind the Site. Concrete covers the majority of the property surface between Great Cove Road and the Site building. The Site has municipal sewer and a potable well located beneath the Site. The building foundation itself has a slab-on-grade foundation and is constructed of concrete block and wood-frame.

A copy of the PADEP eFACTS printout are provided in **Appendix C**.

2.3 Surrounding Property Use

The Site is situated in a limited developed area outside of Fort Littleton. Forested areas and agricultural fields dominate the surrounding areas beyond the nearby turnpike exit.

2.4 Physiographic Setting

2.4.1 Regional Topography and Surface Water Drainage

The Site is located in Fulton County in the southcentral portion of Pennsylvania. Fulton County is located within the Appalachian Mountain Section of the Ridge and Valley physiographic province of Pennsylvania. The underlying rock type of the Appalachian Mountain section is comprised of sandstone, siltstone, shale, conglomerate, limestone, and dolomite.

The subject property is relatively flat but slopes sharply to the southeast between it and the Pennsylvania Turnpike. There are no surface bodies of water located on the property.

2.4.2 Geologic Setting

As shown on the PaDCNR geologic map, the Site is underlain by the Mississippian-aged Mauch Chunk Formation (Mmc). The Mauch Chunk consists of grayish-red shale and siltstone, brown, gray, and white sandstone, and some conglomerate (Edmunds and others, 1979; McElroy, 2001).

Although the groundwater monitoring wells were terminated at the bedrock interface, the bedrock type was not confirmed.

The mapped soil type for the Site are identified by the United States Department of Agriculture Natural Resources Conservation Service Web Soil Survey, as Atkins silt loam and Klinesville shaly silt loam. The Atkins series soils consists of very deep, poorly drained soils formed in acid alluvium washed from upland soils that formed in shale and sandstone. The Klinesville series consists of shallow, somewhat excessively drained soils formed in residuum derived from red shale, siltstone, slate, and fine-grained sandstone.

The limited amounts of soils observed during the well installations were similar to those of the Klinesville series in their reddish-gray color and sandy nature.

Copies of the geologic and soil maps are included within **Appendix C**.

3.0 SITE CHARACTERIZATION

Site characterization was required to determine the extent of potential media impact created by a release that impacted the Site potable well. Soil and groundwater samples were collected from across the Site and samples submitted for select VOCs typical of unleaded gasoline.

3.1 Soil Investigation

On June 20, 2019, MEI contracted Benner Geoservices of Sunbury, Pennsylvania (Benner), to complete the soil investigation. A total of eight soil borings and seven groundwater monitoring wells were installed across the Site in select locations. Specifically, the borings were centered around the perimeter of the UST field and dispenser island. Please see **Figure 3** for the soil boring and groundwater monitoring well locations.

Each soil core was reviewed for characteristics and observations were recorded for completion of soil boring logs. A photo-ionization detector (PID) was used to determine the presence of volatile organic compounds (VOCs). Please see the soil boring logs included within **Appendix A** for site specific data.

The soil borings around the UST field (SB-0620-01 through SB-0620-04) contained obvious impact, fuel vapors, or elevated PID readings. Soil borings around the dispenser island (SB-0620-05 through SB-0620-08) appeared to be adversely impacted with excessively high corresponding PID readings. The highest PID readings (500+ ppm) were recorded within soil borings SB-0620-06 through SB-0620-08 from eight feet to their termination depth of 25 feet. The depths appeared to range from approximately 20-25 feet below ground surface (bgs).

One or more soil samples were collected from the eight soil borings for a total of 20 soil samples to assess the soil quality and delineate potential impacted soil both laterally and vertically. Each soil sample was collected within laboratory-supplied containers, prepared, and delivered to Fairway Laboratories in Altoona, Pennsylvania, for analyses of unleaded gasoline and diesel fuel parameters (PA Storage Tank Program Short List) via EPA Method 8260B.

The soils within groundwater monitoring wells MW-4 and MW-5 were sampled. The soils within these groundwater monitoring wells exhibited strong fuel odors at depths from 25-35 feet bgs.

Each of the three collected soil samples from the groundwater monitoring well installations were collected within laboratory-supplied containers, prepared, and delivered to Fairway Laboratories in Altoona, Pennsylvania, for analyses of unleaded gasoline parameters (PA Storage Tank Program Short List) via EPA Method 8260B.

According to the analytical report, five of the 23 submitted soil samples revealed reportable concentrations (**Table 1**) that exceed their respective Residential and Non-Residential SHS Medium Specific Concentrations (MSCs). Two additional soil samples met their Non-Residential MSCs but exceed their Residential MSCs. A copy of the soil analytical report is included within **Appendix B**.

The source of the impact was not identified. Therefore, on December 9, 2019, MEI contracted Professional Petroleum Services of Williamsport, PA, to uncover the fuel delivery lines between the dispensers and the convenience store to determine whether or not a release occurred. The concrete cover was removed along with the pea gravel fill surrounding the product lines. The product lines appeared to be in fine condition and no signs of a release were observed. A sample of the pea gravel revealed no reportable concentrations of fuel components.

Test pits were excavated at either end of the dispenser island following restoration of the excavation. The soils in the test pits contained strong fuel odors from 4-12 feet below ground surface where the test pits were terminated. The vapors appeared to get stronger with depth. Previous static water level records indicate the water level within groundwater monitoring well MW-1, adjacent to the test pits, were approximately 14 feet below ground surface. Therefore, the test pits were terminated just above the groundwater interface. Soil samples collected from the test pits revealed exceedances for both 1,2,4-TMB and Benzene. These soils are likely contributing to the impacted groundwater plume.

On December 20, 2019, MEI again contracted Benner to continue the Site characterization. A total of five soil borings and three groundwater monitoring wells were installed in select locations:

SB-1220-08 through SB-1220-10 between the dispenser island and Great Cove Road, and SB-1220-11 and SB-1220-12 northeast from the fuel delivery lines and test pit TP-1.

MW-8 through MW-10 were installed at the base of the slope in the rear of the Site and offsite in a downgradient hydraulic position as property boundary groundwater was found impacted.

A total of 12 soil samples were collected from the five soil borings and two soil samples from the installations of MW-8 and MW-9. Four of the 12 soil samples from the soil borings contained exceedances:

SB-1220-08@15' (1,2,4-TMB and Benzene)

SB-1220-11@10' (1,2,4-TMB and Benzene)

SB-1220-11@15' (1,2,4-TMB)

SB-1220-11@19' (1,2,4-TMB, Benzene, and Toluene)

The soil sample from MW-8 was found free of impact and, subsequently, the groundwater samples from the well have also been impact free. The soil samples from MW-9, however, contained exceedances for both 1,2,4-TMB and Benzene. Furthermore, groundwater samples from MW-9 have been grossly impacted. Please see **Figure 3** for the soil boring locations, Figure 9 for the soil isoconcentration map, and Appendix A for soil boring logs and groundwater monitoring well diagrams.

On February 14, 2020, Benner installed three additional groundwater monitoring wells at select locations:

MW-11 downgradient of offsite impacted MW-9,

MW-12 downgradient of Site impacted MW-3 and side gradient of Site impacted MW-4,

MW-13 across Great Cove Road and upgradient of the Site.

Soil samples were not collected as the wells were installed by direct push.

3.2 Groundwater Investigation-MEI Groundwater Monitoring Well Installations and Initial Groundwater Sampling Event

Groundwater monitoring well MW-1 was installed between the dispenser island and the convenience store as the area closest to the impacted potable well located beneath the Site store. Groundwater monitoring wells MW-2 and MW-3 were installed just beyond the southern extent of the UST field in the southern end of the Site. Groundwater monitoring wells MW-4, MW-5, and MW-7 were installed behind the Site store and along the Site eastern property boundary. Finally, groundwater monitoring well MW-6 was installed along the Site northern property boundary.

The seven groundwater monitoring wells were drilled depths ranging from approximately 24 t0 35 feet bgs. Each well was constructed of 2"-diameter pvc well screens followed by solid riser to within a few inches of the ground surface. The annulus of the borehole was filled with sand around the screened section followed by hydrated bentonite to within a few inches of the top of the riser. A concreted manway with a locking cap completed the well. Please see **Appendix A** for a copy of the boring logs and well construction diagrams.

On June 21, 2019, MEI collected a grab sample from groundwater monitoring wells MW-1 and MW-2 as they were installed the day before. The samples were submitted to the environmental lab for fuel analyses. According to the analytical report, concentrations exceeding their respective MSCs were reported for both samples. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

On July 8, 2019, MEI gauged, developed, purged, and sampled the seven groundwater monitoring wells. The groundwater within MW-1 through MW-5 contained strong fuel odors throughout the development and purging processes. Conversely, the water within MW-6 and MW-7 furthest away from the fuel system on the northern end of the Site contained no obvious impact or fuel odor.

One (1) groundwater sample was collected from each well after they were pumped dry multiple times and submitted for laboratory analyses. Low-flow purge monitoring could not be accomplished due to the limited quantities of groundwater within each well. According to the analytical report, concentrations exceeding their respective MSCs were reported for groundwater monitoring wells MW-1 through MW-5 (both Residential and Non-Residential), while the samples collected from groundwater monitoring wells MW-6 and MW-7 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.3 Groundwater Investigation-Confirmatory Sampling Event

On September 9, 2019, MEI gauged, developed, purged, and sampled the seven groundwater monitoring wells. The groundwater within MW-1 through MW-5 again contained strong fuel odors throughout the development and purging processes. Subsequently, the water within MW-6 and MW-7 furthest away from the fuel system on the northern end of the Site contained no obvious

impact or fuel odor.

One (1) groundwater sample was collected from each well after they were pumped dry multiple times and submitted for laboratory analyses. Low-flow purge monitoring could not be accomplished due to the limited quantities of groundwater within each well. According to the analytical report, concentrations exceeding their respective MSCs were reported for groundwater monitoring wells MW-1, MW-3, MW-4, and MW-5 (both Residential and Non-Residential), while the samples collected from groundwater monitoring wells MW-2, MW-6, and MW-7 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.4 Groundwater Investigation-Quarterly Sampling Event

On December 27, 2019, MEI gauged, developed, purged, and sampled the ten groundwater monitoring wells. The groundwater within MW-1 through MW-5 again contained strong fuel odors throughout the purging processes. Subsequently, the water within MW-6 and MW-7 furthest away from the fuel system on the northern end of the Site contained no obvious impact or fuel odor. Of the three new wells, MW-8 through MW-10, only MW-9 contained fuel odors throughout the development and purging processes.

According to the analytical report, concentrations exceeding their respective MSCs were reported for groundwater monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, and MW-9 (both Residential and Non-Residential), while the samples collected from groundwater monitoring wells MW-2, MW-6, MW-8, and MW-10 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.5 Groundwater Investigation-Initial Sampling Event for Wells MW-11 through MW-13

On February 21, 2020, MEI gauged, developed, purged, and sampled the three newly installed (MW-11 through MW-13) groundwater monitoring wells. The groundwater within the new wells did not exhibit obvious impact during the development and purging processes.

According to the analytical report, concentrations exceeding their respective MSCs were reported

for groundwater monitoring wells MW-11 and MW-12 (both Residential and Non-Residential), while the samples collected from groundwater monitoring well MW-13 met its respective MSCs. There was barely enough groundwater within MW-13 to sample. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.6 Groundwater Investigation-Quarterly Groundwater Event for All Wells

On March 12, 2020, MEI gauged, purged, and sampled the entire groundwater monitoring well network. The groundwater within the previously impacted again wells exhibited obvious impact during the purging processes, including separate phase product found on the water table within MW-4. Also, again, there was not a sufficient volume of water within MW-13 to collect a sample.

According to the analytical report, concentrations exceeding their respective MSCs were reported for groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-9, MW-11, and MW-12 (both Residential and Non-Residential), while the samples collected from groundwater monitoring wells MW-6, MW-7, MW-8, and MW-10 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.7 Groundwater Flow

MEI gauged the wells several times following installation of the groundwater monitoring well network. MEI contracted A to Z Land Consulting Services, LLC of McConnellsburg, Pennsylvania, to survey the property. The survey figure shows the locations of the wells along with corresponding elevations.

Following each groundwater gauging event, the groundwater table (**Table 3**) was updated. According to the data, the Site groundwater table slopes east-southeast, with as much as a 16-foot drop northwest to southeast. Groundwater appears to migrate from MW-1 southeast across the site toward groundwater monitoring wells MW-9 and MW-11 and then the stream and the Pennsylvania Turnpike. Please see **Figures 4 A-F** for groundwater flow diagrams for the three groundwater gauging events.

3.8 Vapor Intrusion Investigation

Two vapor wells (VW-1 and VW-2) were installed to assess the potential vapor concentrations

emanating from the soils and groundwater. Each well was sampled on July 9, 2019, January 10, 2020, and March 12, 2020, in laboratory-supplied Summa canisters. The analytical reports revealed high concentrations of multiple compounds in vapor well VW-2, which is located between the groundwater source well MW-1 and the store front. The concentrations exceed the residential standards but meet the non-residential standards. The other vapor well appears to have much lower concentrations.

4.0 SITE CONCEPTUAL MODEL

Based on the data acquired during characterization activities, a release has impacted the Site soils and groundwater. The nature and extent of the release and the migration pathways for the petroleum hydrocarbons were evaluated using the above soil and groundwater data with respect to the Site geological and hydrogeological setting. Results of this evaluation are discussed in the following sections.

4.1 Nature and Extent of the Releases

In general, petroleum hydrocarbons in the subsurface exist in two phases:

- Dissolved in the groundwater
- Adsorbed to the subsurface soil

The on-site source location for the hydrocarbon contamination is likely beneath the UST field as the dispenser lines were excavated and observed to be compliant with no shallow soil impact. Soil samples collected from around the UST field and dispenser island revealed concentrations of fuel parameters that exceed their respective MSCs laterally and vertically. Furthermore, samples collected from the dispenser line investigation revealed deep soils impact and not shallow, indicating a deep release. Furthermore, the UST field is located just upgradient of the groundwater monitoring well MW-1 and the potable well, and the plume is following the groundwater migration.

The extent of the release to soils is shown on Fig 9 while the groundwater isoconcentration diagrams are shown in Figures 8A-F. A large portion of the center of the Site has impacted soil and groundwater beneath it.

4.2 Soil Quality

4.2.1 Constituents of Concern (COCs)

Constituents of Concern (COCs) in soil are defined as regulated substances whose concentrations exceed current standards. Based upon the data acquired during the Site investigations, the soil

COCs include those listed in **Table 1**, with **1,2,4-Trimethylbenzene, Benzene,** and **Toluene** being the exceedances.

4.2.2 Distribution

The impacted soil footprint is illustrated in Fig 9. The area extends from Great Cove Road to the convenience store and further southeast to groundwater monitoring well MW-9.

4.3 Groundwater Quality

4.3.1 Constituents of Concern (COCs)

Constituents of Concern (COCs) in groundwater are defined as regulated substances whose concentrations exceed current standards. Based upon the data acquired during the Site investigations, the groundwater COCs include those listed in **Table 2**, with **1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Ethylbenzene, MTBE, Toluene, Xylenes,** and **Naphthalene** being the exceedances.

4.3.2 Distribution

Several groundwater sampling events have been conducted on the groundwater monitoring well network. The plume is identified on the isoconcentration maps Figures 7A-F and 8A-F. According to the analytical reports, the plume extends from MW-1 (source well) downgradient and off-site to and including MW-11, the furthest downgradient well. Laterally, the plume extends from MW-2 and MW-12 northeast to MW-5.

Please see **Figure 5A-G** and **6A-6F** for isoconcentration maps.

4.4 Sensitive Receptor and Migration Pathway Evaluation

4.4.1 Potential Ecological Receptors

25 PA Code 250.311 (b) states that:

For purposes of determining impacts on ecological receptors, no additional evaluation is required if the remediation attains a level equal to 1/10th of the value in Appendix A, Tables 3 and 4, except for constituents of potential ecological concern identified in Table 8, or if the criteria in paragraphs (1), (2) or (3) are met. Information that supports a determination that no additional evaluation

is required shall be documented in the final report.

(1) Jet fuel, gasoline, kerosene, number two fuel oil or diesel fuel are the only constituent's detected on-site.
(2) The area of contaminated soil is less than 2 acres and the area of contaminated sediment is less than 1,000 square feet.
(3) The site has features, such as buildings, parking lots or graveled paved areas, which would obviously eliminate the specific exposure pathways, such as soils exposure.

The Site meets the criteria listed in (1), (2), and (3) above. Based upon the criteria listed above, no further ecological evaluation is necessary.

Wetlands / Floodplains

MEI reviewed the U.S.G.S topographic map, Dauphin, Pennsylvania, Quadrangle, the National Wetland Inventory (NWI) map, available on the internet at www.nwi.fws.gov, and the Federal Emergency Management Administration (FEMA) website for locations of environmentally sensitive areas within one-half (1/2) mile of the site such as lakes, ponds, streams, or wetlands.

The Site falls outside the local floodplain according to the FEMA FIRM and there were no wetland areas identified. The U.S.G.S. topographic map is presented as **Figure 1** while the NWI and FEMA figures are included within **Appendix C**.

4.4.2 Potential Human Health Receptors

Water Supplies

The Site itself has a potable well for water supply. That well has been shown impacted by fuel compounds. Reportedly, there is one additional potable well located northeast of the Site within ¼-mile of the Site and yet another just beyond that one. Groundwater appears to migrate to the east-southeast from the Site. According to the EDR water well map, there are no potable water wells immediately downgradient of the Site. The closest potable water wells are across the stream and the PA Turnpike.

Soil

Impacted soil has been identified on the Site. However, currently those soils are either found beneath the concrete parking lot/drive area or at depths beyond 25 feet bgs. Therefore, currently, Site soils do not pose a threat to human health receptors.

Groundwater

Groundwater beneath the Site is impacted and will be remediated either through natural attenuation or physical means.

4.4.3 Current and Future Land Use

Currently the Site is operational. Future land use is expected to remain as a retail fuel facility and convenience store.

4.5 Selection of Cleanup Standards and Rationale

Cleanup standards in Pennsylvania are described within Act 2, which is codified as 25 PA Code Chapter 250. Act 2 contains specific criteria for establishing acceptable concentrations of regulated constituents in impacted media.

The Act 2 regulations establish four potential standards for remediating a site from which the property owner is free to select one or a combination of standards to successfully remediate a site and obtain a release from liability. The four cleanup standards are:

- Background Standard (BS);
- Statewide Health Standard (SHS);
- Site-Specific Standard (SSS); and
- Special Industrial Area Standard (SIS).

Because the Site is not located within or considered to be a Special Industrial Area, the SIS was not considered. The Site does not appear to have been impacted due to off-site or "background" conditions; therefore, the use of the BS is not a viable alternative. Therefore, the SHS and the SSS remain options regarding the remedial cleanup goal for the site.

The use of the SSS may require additional evaluation of potential receptors and exposure pathways but may be determined to be inappropriate for the nature and extent of contamination.

4.5.1 Residential Soil

Based upon the soil sampling analytical results shown in the soil analytical table, impacted soil exists beneath the Site. Because the impacted soil lies beneath the concrete parking/drive area

and at significant depths, remediation is not likely an option. Therefore, SSS will likely be the soil standard.

4.5.2 Residential Groundwater

Based upon the groundwater sampling analytical results shown in the groundwater analytical table, a groundwater plume exists beneath the Site that currently stretches across the Site and onto neighboring adjacent properties. The goal for the Site groundwater is attainment of the SHS despite the existence of impacted soil.

5.0 REMEDIATION

5.1 Soil Remediation

Currently there are no plans for soil remediation due to the concrete cap and extensive depths. However, remedial options will be explored in the remedial action plan.

5.2 Groundwater Remediation

Site groundwater remediation options will be explored in the remedial action plan. Due to the extensive plume footprint and elevated concentrations, groundwater pump and treatment options will be researched. The groundwater well network will continue to be monitored and sampled on a quarterly basis until the Site groundwater meets its SHS MSCs.

Site remediation will be included within a remedial action plan submitted separately.

6.0 SUMMARY OF SOIL/GROUNDWATER QUALITY

6.1 Soils

Current data reveals impacted soil on the Site at depths ranging from 10-35 feet bgs along both the east and west property boundaries and beneath the dispenser island.

6.2 Groundwater

An impacted groundwater plume has been identified beneath a majority of the Site. Concentrations of fuel compounds far exceed their respective MSCs and separate phase product has been found within one of the groundwater monitoring wells. Furthermore, the Site potable well has shown impact.

7.0 SELECTION OF APPLICABLE PADEP STANDARDS

7.1 Soils

Soil samples collected during this characterization have been compared to PADEP SHS MSCs which included soil to groundwater values (for used aquifers with total dissolved solids less than 2,500 mg/L) for a residential setting. 14 of the 40 collected soil samples to date exceed their respective Residential and/or Non-Residential SHS. However, a SSS standard will be developed for the Site.

7.2 Groundwater

Groundwater samples collected during this characterization were compared to PADEP SHS MSCs for a residential, used-aquifer setting. The groundwater samples revealed reportable concentrations that exceed their MSCs in nine of the 13 groundwater monitoring wells. Attainment of the SHS has been selected as the goal for Site groundwater. A discussion of attainment of these standards for groundwater is discussed in Section 8.2 of this report.

8.0 DEMONSTRATION OF ATTAINMENT

8.1 Soils

Field observations and soil sample analytical results indicate impacted soils on the Site. The impacted soil has been delineated but not remediated.

8.2 Groundwater

Site groundwater was characterized and found impacted across most of the Site. The plume has been delineated and will be monitored quarterly for natural attenuation.

9.0 POST REMEDIAL CARE

The goal for the Site is to achieve the SHS for both soil and groundwater and, therefore, no post remedial care may not be needed. However, according to current conditions, the standard for soil and groundwater is likely SSS.

Following approval of a Remedial Action Completion Report by the PADEP, the Site groundwater wells shall be properly abandoned to prevent potential pathways to surface releases.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The Site is currently an operational retail fuel facility and convenience store located at 29558 Great Cove Road, Fort Littleton, Fulton County, Pennsylvania. The site characterization activities were conducted as a result of a release that impacted the Site potable well. Data from the site characterization investigation was used to develop a conceptual model of the Site that accurately reflects Site conditions. Based on the model and the underlying geology, the following conclusions are made pursuant to the findings in this report:

- Site soils are impacted and do not meet their respective Residential SHS MSCs.

- A groundwater plume covers the majority of the Site and has been delineated. The impacted plume will be monitored until it attains Residential SHS.

- A vapor intrusion investigation has revealed excessive fuel concentrations from vapor well VW-2. Site soil vapors will be monitored on a quarterly basis.

As a result of this investigation, impacted soil and groundwater remains beneath the Site. A remedial action plan will be submitted for review.

11.0 REFERENCES

Commonwealth of Pennsylvania, Title 25 Environmental Protection, Chapter 245 Administration of the Storage Tank and Spill Prevention Program. December 18, 1999.

Commonwealth of Pennsylvania, Title 25 Environmental Protection, Chapter 250 Administration of Land Recycling Program. November 22, 1997.

Federal Emergency Management Agency (FEMA) Project Impact Hazard Information and Awareness Website, Online Flood Hazard Map.

Pennsylvania Department of Conservation and Natural Resources, PAGWIS website.

Pennsylvania Department of Environmental Protection, eFacts website.

Penn State University, Soil Map website (http://soilmap.psu.edu), soil and geological data.

United States Fish and Wildlife Service (USFWS) National Wetlands Inventory map (http://www.fws.gov/nwi/).

United States Geological Survey.

TABLES

Table 1 - Soil Analytical Data (Subsurface Investigation)

Table 2 - Groundwater Analytical Data

Table 3 - Groundwater Elevations

Table 4 – Vapor Analytical Data

Table 1
Soil Sample Analytical Results - Site Characterization Samples
Park Station
Fort Littleton, Pennsylvania
Soil Results in milligrams per kilogram (mg/kg)

Sample I.D. (Field)	Soil Samples								SOIL MSCs	SOIL MSCs
	SB-0620-01@15'	SB-0620-01@18'	SB-0620-02@15'	SB-0620-02@20'	SB-0620-03@15'	SB-0620-04@15'	SB-0620-04@10'	SB-0620-04@20'		
Sample Depth (Below grade)	15'	18'	15'	20'	15'	15'	10'	20'	RESIDENTIAL	NON-
Sample Date	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS										
1,3,5-Trimethylbenzene	<0.0042	<0.0042	**1.98**	**0.525**	<0.0050	**2.43**	**5.71**	**2.15**	**74**	**210**
1,2,4-Trimethylbenzene	<0.0042	<0.0042	**3.49**	**2.45**	<0.0050	**7.89**	**92.2**	**6.50**	**8.4**	**35**
Benzene	**0.0043**	<0.0042	<0.185	<0.143	<0.0020	<0.211	<0.169	**0.431**	**0.5**	**0.5**
Ethylbenzene	<0.0042	<0.0042	**7.21**	**0.775**	**0.0326**	**2.55**	**28.1**	**1.86**	**70**	**70**
Isopropylbenzene	<0.0042	<0.0042	**1.21**	<0.358	<0.0050	<0.529	**2.95**	<0.381	**600**	**2500**
Methyl tert-butyl ether	<0.0042	<0.0042	<0.461	<0.358	<0.0050	<0.529	<0.422	<0.381	**2**	**2**
Naphthalene	<0.0042	<0.0042	**2.90**	**0.710**	**0.0119**	**1.29**	**13.3**	**1.40**	**25**	**25**
Toluene	<0.0042	<0.0042	<0.461	<0.358	<0.0050	<0.529	<0.422	**0.525**	**100**	**100**
Xylenes	<0.0084	<0.0085	**1.05**	**0.715**	<0.0101	**3.66**	**6.27**	**9.87**	**1000**	**1000**

Sample I.D. (Field)	Soil Samples								SOIL MSCs	SOIL MSCs
	SB-0620-05@15'	SB-0620-05@20'	SB-0620-06@15'	SB-0620-06@18'	SB-0620-06@20'	SB-0620-07@15'	SB-0620-07@10'	SB-0620-07@15'		
Sample Depth (Below grade)	15'	15'	15'	18'	20'	15'	10'	15'	RESIDENTIAL	NON-
Sample Date	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS										
1,3,5-Trimethylbenzene	**2.06**	**5.87**	**0.0124**	**2.11**	<0.0053	**23.1**	**20.8**	**0.0160**	**74**	**210**
1,2,4-Trimethylbenzene	**6.32**	**21.3**	**0.0313**	**5.90**	**0.0059**	**72.1**	**63.6**	**0.0593**	**8.4**	**35**
Benzene	**0.0794**	**0.28**	**0.0051**	<0.143	**0.0092**	<0.147	**1.45**	**0.125**	**0.5**	**0.5**
Ethylbenzene	**2.43**	**5.93**	**0.0288**	**1.05**	**0.0065**	**26.6**	**22**	**0.0444**	**70**	**70**
Isopropylbenzene	**0.0353**	**0.887**	<0.0036	<0.358	<0.0053	**3.54**	**3.15**	<0.0055	**600**	**2500**
Methyl tert-butyl ether	<0.0041	<0.447	<0.0036	<0.358	<0.0053	<0.367	<0.438	**0.0062**	**2**	**2**
Naphthalene	**1.43**	**4.37**	**0.0607**	**1.27**	**0.0083**	**20.1**	**20.6**	**0.0524**	**25**	**25**
Toluene	**0.111**	**2.41**	<0.0036	<0.358	<0.0053	**4.64**	**2.33**	**0.0265**	**100**	**100**
Xylenes	**9.23**	**31.3**	**0.0742**	**4.66**	**0.0271**	**130**	**118**	**0.174**	**1000**	**1000**

Sample I.D. (Field)	Soil Samples							SOIL MSCs	SOIL MSCs
	SB-0620-07@20'	SB-0620-07@25'	SB-0620-08@15'	SB-0620-08@25'	MW-4 @ 25'	MW-4 @ 35'	MW-5 @ 35'		
Sample Depth (Below grade)	20'	25'	15'	25'	25'	35'	35'	RESIDENTIAL	NON-
Sample Date	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19	6/20/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS									
1,3,5-Trimethylbenzene	**8.88**	<0.444	<0.567	**0.013**	**7.88**	**1.24**	<0.0064	**74**	**210**
1,2,4-Trimethylbenzene	**26.3**	<0.444	<0.567	**0.029**	**26.9**	**3.57**	<0.0064	**8.4**	**35**
Benzene	**0.442**	<0.178	**0.0323**	**0.426**	**0.55**	**1.00**	**0.0029**	**0.5**	**0.5**
Ethylbenzene	**7.20**	<0.444	<0.567	**0.0573**	**7.00**	**1.79**	<0.0064	**70**	**70**
Isopropylbenzene	**1.40**	<0.444	**0.0219**	<0.0050	**1.07**	<0.415	<0.0064	**600**	**2500**
Methyl tert-butyl ether	<0.461	<0.444	<0.0041	**0.0112**	<0.424	<0.415	<0.0064	**2**	**2**
Naphthalene	**5.35**	<0.444	<0.567	**0.0234**	**4.28**	**0.605**	<0.0064	**25**	**25**
Toluene	<0.461	<0.444	**0.0061**	**0.676**	**2.88**	**1.39**	<0.0064	**100**	**100**
Xylenes	**23.7**	<0.889	<1.13	**0.295**	**42.3**	**8.65**	<0.0128	**1000**	**1000**

Notes:

- <0.023= Parameter not detected at the detection limit.

22.4	Parameter exceeding Residential Standard
225.00	Parameter exceeding both Residential and Non-Residential Standard

- Medium-Specific Concentrations (MSCs) were established in the Technical Guidance Manual dated December 1997 and were derived from the Non-Residential MSCs listed in Appendix A, Tables 3 and 4, of 25 PA Code Section 250, Administration of the Land Recycling Act (Act 2) dated August 16, 1997, and as revised November 24, 2001.

Table 1
Soil Sample Analytical Results - Site Characterization Samples
Park Station
Fort Littleton, Pennsylvania
Soil Results in milligrams per kilogram (mg/kg)

Sample I.D. (Field)	Soil Samples			SOIL MSCs	SOIL MSCs
	Soil Investigation Lines	Soil Investigation TP-1 @10'	Soil Investigation TP-2 @12.5'		
Sample Depth (Below grade)	<1'	10'	12.5'	RESIDENTIAL	NON-
Sample Date	12/9/19	12/10/19	12/10/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS					
1,3,5-Trimethylbenzene	<0.453	**21.7**	**0.683**	**74**	**210**
1,2,4-Trimethylbenzene	<0.453	**64.9**	**2.13**	**8.4**	**35**
Benzene	<0.181	**1.12**	**2.14**	**0.5**	**0.5**
Ethylbenzene	<0.453	**19.9**	**1.59**	**70**	**70**
Isopropylbenzene	<0.453	**3.53**	<0.608	**600**	**2500**
Methyl tert-butyl ether	<0.453	<0.425	<0.608	**2**	**2**
Naphthalene	<0.453	**13.4**	**7.72**	**25**	**25**
Toluene	<0.453	**0.699**	**0.806**	**100**	**100**
Xylenes	<0.905	**54.3**	**7.38**	**1000**	**1000**

Sample I.D. (Field)	Soil Samples								SOIL MSCs	SOIL MSCs
	SB-1220-08@9'	SB-1220-08@10'	SB-1220-08@15'	SB-1220-09@10'	SB-1220-09@14'	SB-1220-10@10'	SB-1220-10@14'	SB-1220-11@10'		
Sample Depth (Below grade)	9'	10'	15'	10'	14'	10'	14'	10'	RESIDENTIAL	NON-
Sample Date	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS										
1,3,5-Trimethylbenzene	<0.523	**1.76**	**35.0**	<0.0046	<0.0048	<0.0044	<0.0057	**34.1**	**74**	**210**
1,2,4-Trimethylbenzene	<0.523	**8.33**	**29.0**	<0.0046	<0.0048	**0.0061**	<0.0057	**101**	**8.4**	**35**
Benzene	<0.209	<0.411	**1.13**	**0.002**	<0.0019	<0.0018	<0.0023	**10.9**	**0.5**	**0.5**
Ethylbenzene	<0.523	**2.67**	**41.9**	<0.0046	<0.0048	<0.0044	**0.0071**	**42.3**	**70**	**70**
Isopropylbenzene	<0.523	<1.03	**1.09**	<0.0046	**0.0077**	<0.0044	**0.0078**	**5.57**	**600**	**2500**
Methyl tert-butyl ether	<0.523	<1.03	<0.502	<0.0046	**0.0508**	<0.0044	<0.0057	<4.43	**2**	**2**
Naphthalene	<0.523	**1.06**	**4.64**	<0.0046	**0.0210**	<0.0044	<0.0057	**24.8**	**25**	**25**
Toluene	<0.523	<1.03	**9.02**	<0.0046	<0.0048	<0.0044	<0.0057	**81.2**	**100**	**100**
Xylenes	<1.05	**2.12**	**233**	<0.0046	<0.0096	<0.0089	<0.0114	**232**	**1000**	**1000**

Sample I.D. (Field)	Soil Samples						SOIL MSCs	SOIL MSCs
	SB-1220-11@15'	SB-1220-11@19'	SB-1220-12@10'	SB-1220-12@15'	SB-MW-8	SB-MW-9		
Sample Depth (Below grade)	15'	19'	10'	10'	9'	9'	RESIDENTIAL	NON-
Sample Date	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19	12/20/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS								
1,3,5-Trimethylbenzene	**6.15**	**35.8**	<0.0046	<0.0048	<0.0037	**3.76**	**74**	**210**
1,2,4-Trimethylbenzene	**19.2**	**109**	<0.0046	<0.0048	<0.0037	**11.40**	**8.4**	**35**
Benzene	**1.91**	**18.3**	<0.0018	**0.002**	<0.0015	**1.31**	**0.5**	**0.5**
Ethylbenzene	**6.83**	**46**	<0.0046	<0.0048	<0.0037	**5.31**	**70**	**70**
Isopropylbenzene	<2.47	<7.02	<0.0046	<0.0048	<0.0037	<0.161	**600**	**2500**
Methyl tert-butyl ether	<2.47	<7.02	<0.0046	<0.0048	<0.0037	<0.161	**2**	**2**
Naphthalene	**3.96**	**21.5**	<0.0046	<0.0048	<0.0037	**2.600**	**25**	**25**
Toluene	**5.28**	**117**	<0.0046	**0.0053**	<0.0037	**1.83**	**100**	**100**
Xylenes	**32.7**	**250**	<0.0092	<0.0048	<0.0074	**26.40**	**1000**	**1000**

Notes:

• <0.023= Parameter not detected at the detection limit.

22.4	Parameter exceeding Residential Standard
225.00	Parameter exceeding both Residential and Non-Residential Standard

• Medium-Specific Concentrations (MSCs) were established in the Technical Guidance Manual dated December 1997 and were derived from the Non-Residential MSCs listed in Appendix A, Tables 3 and 4, of 25 PA Code Section 250, Administration of the Land Recycling Act (Act 2) dated August 16, 1997, and as revised November 24, 2001.

Table 2
Groundwater Sample Analytical Results - Site Characterization
Park Station
Fort Littleton, Pennsylvania
Water Results in micrograms per liter (ug/L)

Sample I.D. (Field)	Groundwater Samples										
	MW-1	MW-2		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	GW MSCs
Sample Depth (Below grade)	NA	NA		NA	NA	NA	NA	NA	NA	NA	RESIDENTIAL
Sample Date	6/21/19	6/21/19		7/8/19	7/8/19	7/8/19	7/8/19	7/8/19	7/8/19	7/8/19	
VOLATILE ORGANIC COMPOUNDS											
1,3,5-Trimethylbenzene	**364**	**3.22**		**848**	**1.31**	**49.9**	**150**	**8.33**	<1.0	<1.0	**420**
1,2,4-Trimethylbenzene	**1480**	**9.75**		**2900**	**2.76**	**148**	**292**	**18.6**	<1.0	<1.0	**15**
Benzene	**6030**	**7.68**		**4940**	**2.75**	**84.7**	**3330**	**59.8**	<1.0	**2.11**	**5**
Ethylbenzene	**2620**	**8.17**		**2720**	**3.10**	**167**	**505**	**6.7**	<1.0	<1.0	**700**
Isopropylbenzene	**89.8**	**1.07**		**162**	**1.49**	**22.6**	**23.8**	**2.32**	<1.0	<1.0	**840**
Methyl tert-butyl ether	**169**	<1.0		**148**	<1.0	<1.0	**20.6**	**22.2**	<1.0	**6.09**	**20**
Naphthalene	**552**	**4.57**		**1030**	**1.63**	**80**	**99.5**	**3.7**	<1.0	<1.0	**100**
Toluene	**10300**	**16.1**		**8320**	**3.17**	**15.5**	**1580**	**1.18**	<1.0	<1.0	**1000**
Xylenes	**12200**	**36.4**		**12400**	**9.43**	**234**	**2690**	**20**	<2.0	<2.0	**10000**

Sample I.D. (Field)	Groundwater Samples								
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	GW MSCs	GW MSCs
Sample Depth (Below grade)	NA	NA	NA	NA	NA	NA	NA	RESIDENTIAL	NON-
Sample Date	9/9/19	9/9/19	9/9/19	9/9/19	9/9/19	9/9/19	9/9/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS									
1,3,5-Trimethylbenzene	**425**	<1.0	**28.2**	**79.6**	**2.96**	<1.0	<1.0	**420**	**1200**
1,2,4-Trimethylbenzene	**1520**	**1.16**	**137**	**286**	**5.2**	<1.0	<1.0	**15**	**62**
Benzene	**4290**	<1.0	**130**	**3450**	**111**	<1.0	<1.0	**5**	**5**
Ethylbenzene	**1740**	**1.38**	**337**	**639**	<1.0	<1.0	<1.0	**700**	**700**
Isopropylbenzene	**80.2**	**2.24**	**25.4**	**19.8**	**1.89**	<1.0	<1.0	**840**	**3500**
Methyl tert-butyl ether	**136**	<1.0	<5.00	<10.0	**5.08**	<1.0	**4.85**	**20**	**20**
Naphthalene	**533**	**1.07**	**97.7**	**104**	**2.9**	<1.0	<1.0	**100**	**100**
Toluene	**6980**	<1.0	**26.2**	**2560**	**1.55**	<1.0	<1.0	**1000**	**1000**
Xylenes	**9130**	<2.0	**263**	**2800**	**34.8**	<2.0	<2.0	**10000**	**10000**

Notes:

- <0.023= Parameter not detected at the detection limit.

22.4	Parameter exceeding Residential Standard
225.00	Parameter exceeding both Residential and Non-Residential Standard

- Medium-Specific Concentrations (MSCs) were established in the Technical Guidance Manual dated December 1997 and were derived from the Non-Residential MSCs listed in Appendix A, Tables 3 and 4, of 25 PA Code Section 250 were derived from the Non-Residential MSCs listed in Appendix A, Tables 3 and 4, of 25 PA Code Section 250, Administration of the Land Recycling Act (Act 2) dated August 16, 1997, and as revised November 24, 2001.

Table 2
Groundwater Sample Analytical Results - Site Characterization
Park Station
Fort Littleton, Pennsylvania
Water Results in micrograms per liter (ug/L)

Sample I.D. (Field)	Groundwater Samples											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	**GW MSCs**	**GW MSCs**
Sample Depth (Below grade)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	RESIDENTIAL	NON-
Sample Date	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19	12/27/19		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS												
1,3,5-Trimethylbenzene	**271**	<1.0	**29.8**	**1410**	**67.2**	<1.0	**12.2**	<1.0	**104**	<1.0	**420**	**1200**
1,2,4-Trimethylbenzene	**1060**	**2.06**	**184**	**5000**	**181**	<1.0	**38.2**	<1.0	**428**	<1.0	**15**	**62**
Benzene	**2560**	<1.0	**23.4**	**2740**	**118**	<1.0	**7.33**	<1.0	**1100**	<1.0	**5**	**5**
Ethylbenzene	**1260**	**1.38**	**361**	**2290**	**98.8**	<1.0	**18.6**	<1.0	**580**	<1.0	**700**	**700**
Isopropylbenzene	<100	<1.0	**26.9**	<250	**13.4**	<1.0	**1.79**	<1.0	**35.5**	<1.0	**840**	**3500**
Methyl tert-butyl ether	**94**	<1.0	<1.75	**<87.5**	**65.8**	<1.0	**4.98**	**1.56**	**59.2**	**8.80**	**20**	**20**
Naphthalene	**632**	<1.0	**107**	**1250**	**29.9**	<1.0	**4.13**	<1.0	**251**	<1.0	**100**	**100**
Toluene	**3880**	<1.0	**18.0**	**4360**	87.1	<1.0	**22**	<1.0	**290**	<1.0	**1000**	**1000**
Xylenes	**5820**	**2.73**	**276**	**3650**	551	<2.0	**99.4**	<2.0	**1440**	<2.0	**10000**	**10000**

Sample I.D. (Field)	Groundwater Samples				
	MW-11	MW-12	MW-13	**GW MSCs**	**GW MSCs**
Sample Depth (Below grade)	NA	NA	NA	RESIDENTIAL	NON-
Sample Date	2/21/20	2/21/20	2/21/20		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS					
1,3,5-Trimethylbenzene	<1.0	**16.0**	<1.0	**420**	**1200**
1,2,4-Trimethylbenzene	<1.0	**47.8**	**2.68**	**15**	**62**
Benzene	**5.31**	**121**	**1.25**	**5**	**5**
Ethylbenzene	<1.0	**822**	**1.87**	**700**	**700**
Isopropylbenzene	<1.0	**73**	<1.0	**840**	**3500**
Methyl tert-butyl ether	**2.05**	<3.5	<1.0	**20**	**20**
Naphthalene	<1.0	**248**	**1.21**	**100**	**100**
Toluene	<1.0	<10.0	**1.72**	**1000**	**1000**
Xylenes	<2.0	**47.2**	**7.45**	**10000**	**10000**

Notes:

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22.4	Parameter exceeding Residential Standard
225.00	Parameter exceeding both Residential and Non-Residential Standard

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Table 2
Groundwater Sample Analytical Results - Site Characterization
Park Station
Fort Littleton, Pennsylvania
Water Results in micrograms per liter (ug/L)

Sample I.D. (Field)	Groundwater Samples														
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	**GW MSCs**	**GW MSCs**
Sample Depth (Below grade)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	RESIDENTIAL	NON-
Sample Date	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20	3/12/20		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS															
1,3,5-Trimethylbenzene	**372**	**106**	**123**	**600**	<5.0	<1.0	<1.0	<1.0	**152**	<1.0	<1.0	**107**	**DRY**	**420**	**1200**
1,2,4-Trimethylbenzene	**1140**	**330**	**473**	**2100**	**9.15**	<1.0	<1.0	<1.0	**524**	<1.0	<1.0	**350**	—	**15**	**62**
Benzene	**2910**	**75**	**88.1**	**7110**	**56**	<1.0	**1.05**	<1.0	**1350**	<1.0	**5.85**	**257**	—	**5**	**5**
Ethylbenzene	**1300**	**155**	**599**	**4480**	<5.0	<1.0	<1.0	<1.0	**496**	<1.0	<1.0	**332**	—	**700**	**700**
Isopropylbenzene	**95.5**	**21.8**	**55.6**	**97.5**	<5.0	<1.0	<1.0	<1.0	**28**	<1.0	<1.0	**28.8**	—	**840**	**3500**
Methyl tert-butyl ether	**106**	<1.0	<1.75	<17.5	**3.55**	<1.0	**6.37**	<1.0	**54**	**13.6**	**1.29**	<3.5	—	**20**	**20**
Naphthalene	**426**	**59.1**	**200**	**504**	**12.7**	**1.55**	<1.0	<1.0	**203**	<1.0	<1.0	**113**	—	**100**	**100**
Toluene	**3540**	**152**	**166**	**4480**	<5.0	<1.0	<1.0	<1.0	**333**	<1.0	<1.0	**236**	—	**1000**	**1000**
Xylenes	**5320**	**761**	**1080**	**9500**	<10.0	<2.0	<2.0	<2.0	**2060**	<2.0	<2.0	**898**	—	**10000**	**10000**

Notes:

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22.4	Parameter exceeding Residential Standard
225.00	Parameter exceeding both Residential and Non-Residential Standard

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Table 3
Groundwater Gauging Data
Park Station
Fort Littleton, PA

WELL ID	DATE	TOC ELEVATION (Feet ATBM)	DEPTH TO GROUNDWATER (Feet)	TOTAL DEPTH (Feet)	GW ELEVATION (Feet ATBM)
MW-1	06/21/19	749.15	21.74	24.17	727.41
	07/08/19	749.15	12.65	24.17	736.50
	09/09/19	749.15	13.10	24.17	736.05
	10/14/16	749.15	13.76	24.17	735.39
	11/16/19	749.15	14.21	24.17	734.94
	12/27/19	749.15	14.92	24.17	734.23
	02/21/20	749.15	15.01	24.17	734.14
	03/12/20	749.15	14.96	24.17	734.19
MW-2	06/21/19	748.57	8.96	24.21	739.61
	07/08/19	748.57	9.63	24.21	738.94
	09/09/19	748.57	11.45	24.21	737.12
	10/14/16	748.57	12.22	24.21	736.35
	11/16/19	748.57	13.89	24.21	734.68
	12/27/19	748.57	12.52	24.21	736.05
	02/21/20	748.57	12.74	24.21	735.83
	03/12/20	748.57	13.13	24.21	735.44
MW-3	07/08/19	748.59	9.56	24.30	739.03
	09/09/19	748.59	11.92	24.30	736.67
	10/14/16	748.59	12.38	24.30	736.21
	11/16/19	748.59	13.00	24.30	735.59
	12/27/19	748.59	13.08	24.30	735.51
	02/21/20	748.59	13.08	24.30	735.51
	03/12/20	748.59	13.35	24.30	735.24
MW-4	07/08/19	748.80	19.83	33.80	728.97
	09/09/19	748.80	20.17	33.80	728.63
	10/14/16	748.80	20.56	33.80	728.24
	11/16/19	748.80	21.19	33.80	727.61
	12/27/19	748.80	21.74	33.80	727.06
	02/21/20	748.80	22.22	33.80	726.58
	03/12/20	748.80	22.33	33.80	726.47
MW-5	07/08/19	748.22	20.73	34.00	727.49
	09/09/19	748.22	21.48	34.00	726.74
	10/14/16	748.22	21.50	34.00	726.72
	11/16/19	748.22	22.30	34.00	725.92
	12/27/19	748.22	22.00	34.00	726.22
	02/21/20	748.22	22.24	34.00	725.98
	03/12/20	748.22	22.53	34.00	725.69
MW-6	07/08/19	748.02	19.66	27.80	728.36
	09/09/19	748.02	19.68	27.80	728.34
	10/14/16	748.02	19.71	27.80	728.31
	11/16/19	748.02	19.73	27.80	728.29
	12/27/19	748.02	19.82	27.80	728.20
	02/21/20	748.02	19.85	27.80	728.17
	03/12/20	748.02	19.94	27.80	728.08

Notes:

- ATBM = Above Temporary Bench Mark.
- GW = Groundwater.
- TOC = Top of Casing.
- NG = Not Gauged.

Table 3
Groundwater Gauging Data
Park Station
Fort Littleton, PA

MW-7	07/08/19	747.76	23.23	31.94	724.53
	09/09/19	747.76	24.11	31.94	723.65
	10/14/16	747.76	24.62	31.94	723.14
	11/16/19	747.76	24.77	31.94	722.99
	12/27/19	747.76	24.48	31.94	723.28
	02/21/20	747.76	24.72	31.94	723.04
	03/12/20	747.76	24.95	31.94	722.81
MW-8	12/27/19	724.75	5.11	9.00	719.64
	02/21/20	724.75	5.71	9.00	719.04
	03/12/20	724.75	4.70	9.00	720.05
MW-9	12/27/19	723.63	6.56	9.00	717.07
	02/21/20	723.63	5.61	9.00	718.02
	03/12/20	723.63	5.76	9.00	717.87
MW-10	12/27/19	719.32	7.51	9.00	711.81
	02/21/20	719.32	4.15	9.00	715.17
	03/12/20	719.32	4.22	9.00	715.10
MW-11	02/21/20	718.85	4.66	9.00	714.19
	03/12/20	718.85	4.77	9.00	714.08
MW-12	02/21/20	747.72	16.82	9.00	730.90
	03/12/20	747.72	16.85	9.00	730.87
MW-13	02/21/20	753.68	12.20	9.00	741.48
	03/12/20	753.68	12.74	9.00	740.94

Notes:
- ATBM = Above Temporary Bench Mark.
- GW = Groundwater.
- TOC = Top of Casing.
- NG = Not Gauged.

Table 4
Vapor Intrusion Sample Analytical Results - Soil Vapor
Park Station
Fort Littleton, Fulton County, Pennsylvania
Soil Gas Results in micrograms per cubic meter (ug/m3)

Sample I.D. (Field)	Vapor Well						Screening Values		
	VW-1	VW-2	VW-1	VW-2	VW-1	VW-2	Screening Values	Screening Values	Screening Values
Sample Date	7/9/19	7/9/19	1/10/20	1/10/20	3/12/20	3/12/20	Residential	Non-Residential	Converted Res
							EPA TO-15	EPA TO-15	EPA TO-15
VOLATILE ORGANIC COMPOUNDS									
Benzene	<3,900	**11000**	<6,900	<2,700	**4100**	<74	**620**	**16000**	**3100**
Cumene	<3,800	<880	<7,100	<2,700	<4,100	<75	**83000**	**1800000**	**350000**
Ethylbenzene	<3,800	**7500**	<7,100	<2,700	<4,100	<75	**1900**	**49000**	**9800**
MTBE	<3,800	<880	<7,100	<2,700	<4,100	<75	**19000**	**470000**	**94000**
Toluene	<3,800	**1900**	<7,100	<2,700	<4,100	<75	**1000000**	**22000000**	**4400000**
1,2,4-TMB	<3,800	**2600**	<7,100	<2,700	<4,100	<75	**1500**	**31000**	**6100**
1,3,5-TMB	<3,800	**1300**	<6,900	<2,700	<4,000	<74	**1500**	**31000**	**6100**
m/p-Xylene	<3,800	**10000**	<14,000	<2,700	<8,300	<150	—	—	—
o-Xylene	<3,800	**1500**	<7,100	<2,700	<4,100	<75	—	—	—
Naphthalene	—	—	—	—	<4,100	<75	—	—	—

Notes:

- <0.19= Parameter not detected at the detection limit.
- Medium-Specific Concentrations (MSCs) were established in the Updated Vapor Guidance Manual dated December 2016: Table 3. Near-Source Soil Gas Statewide Health Standard Screening Values

FIGURES

Figure 1 - Site Topographic Map

Figure 2 - Site Layout

Figure 3 - Boring and Well Locations

Figure 4 A-G - Groundwater Flow Diagrams

Figure 5 A-G – Groundwater Isoconcentration Figures (July 8, 2019)

Figure 6 A-F – Groundwater Isoconcentration Figures (Sept 9, 2019)

Figure 7 A-F – Groundwater Isoconcentration Figures (Dec 27, 2019)

Figure 8 A-F – Groundwater Isoconcentration Figures (Mar 12, 2020)

Figure 9 – Soil Isoconcentration Map

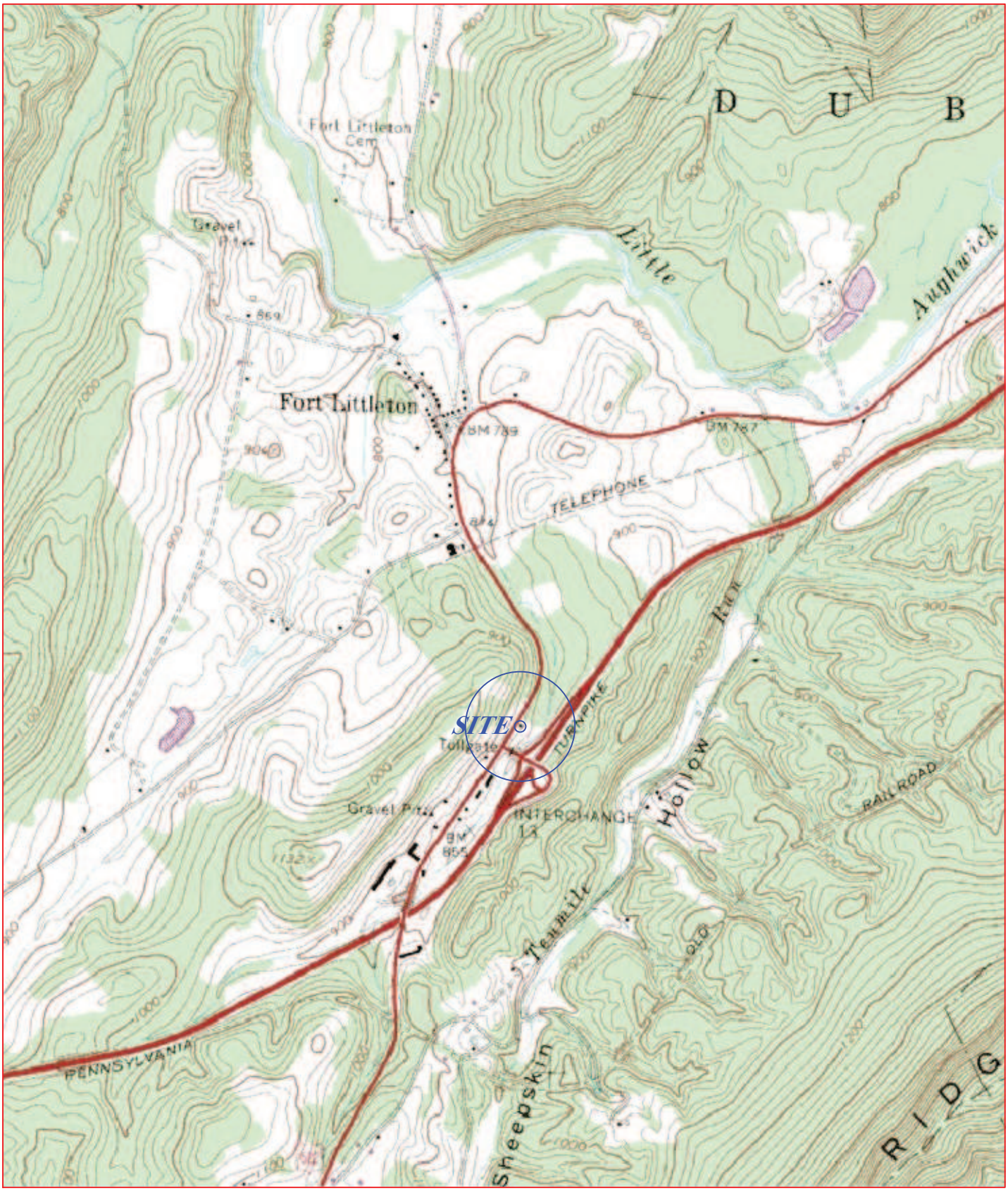


FIGURE 2

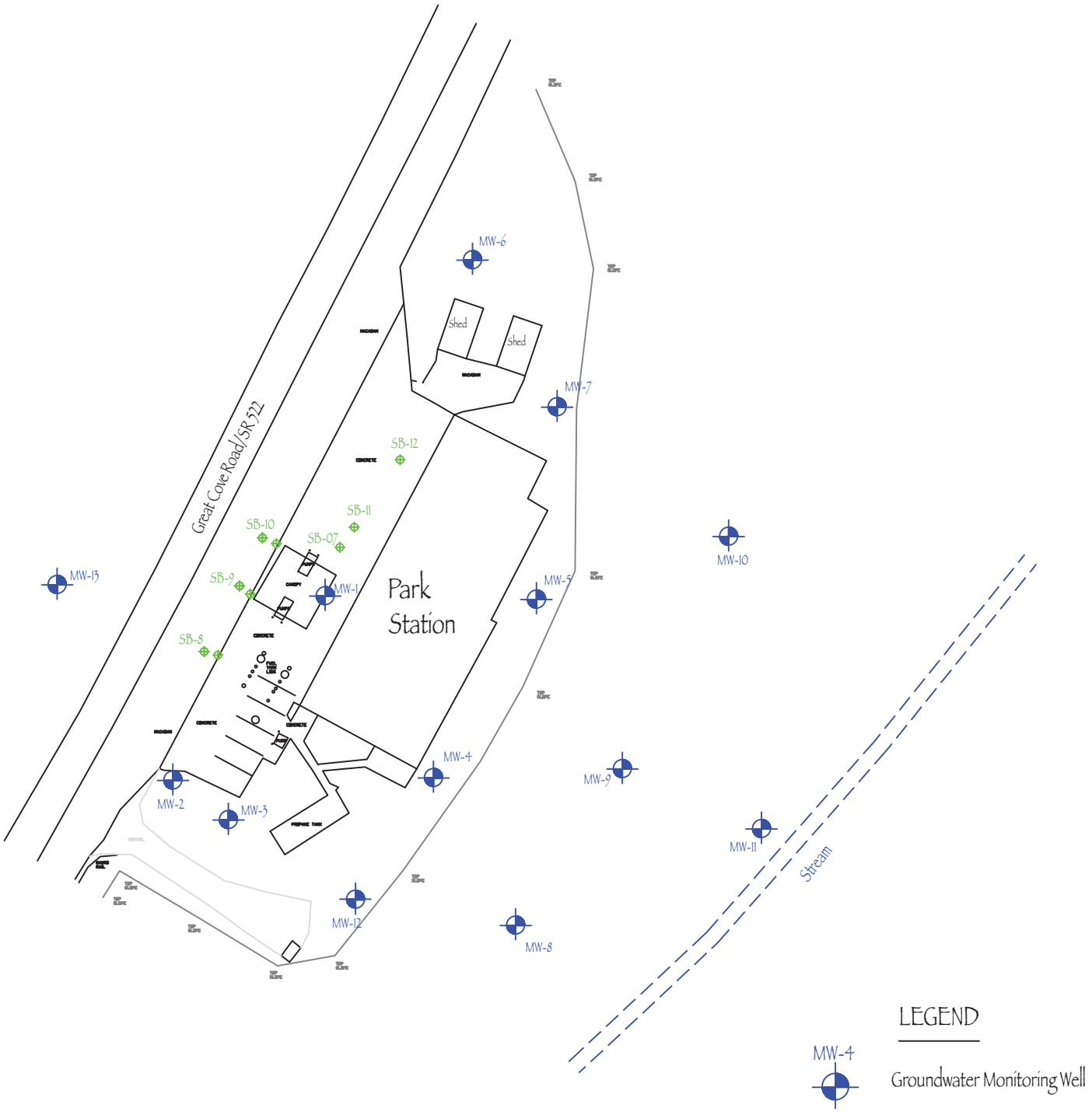
SITE TOPOGRAPHIC MAP

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SITE CHARACTERIZATION

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PENNSYLVANIA



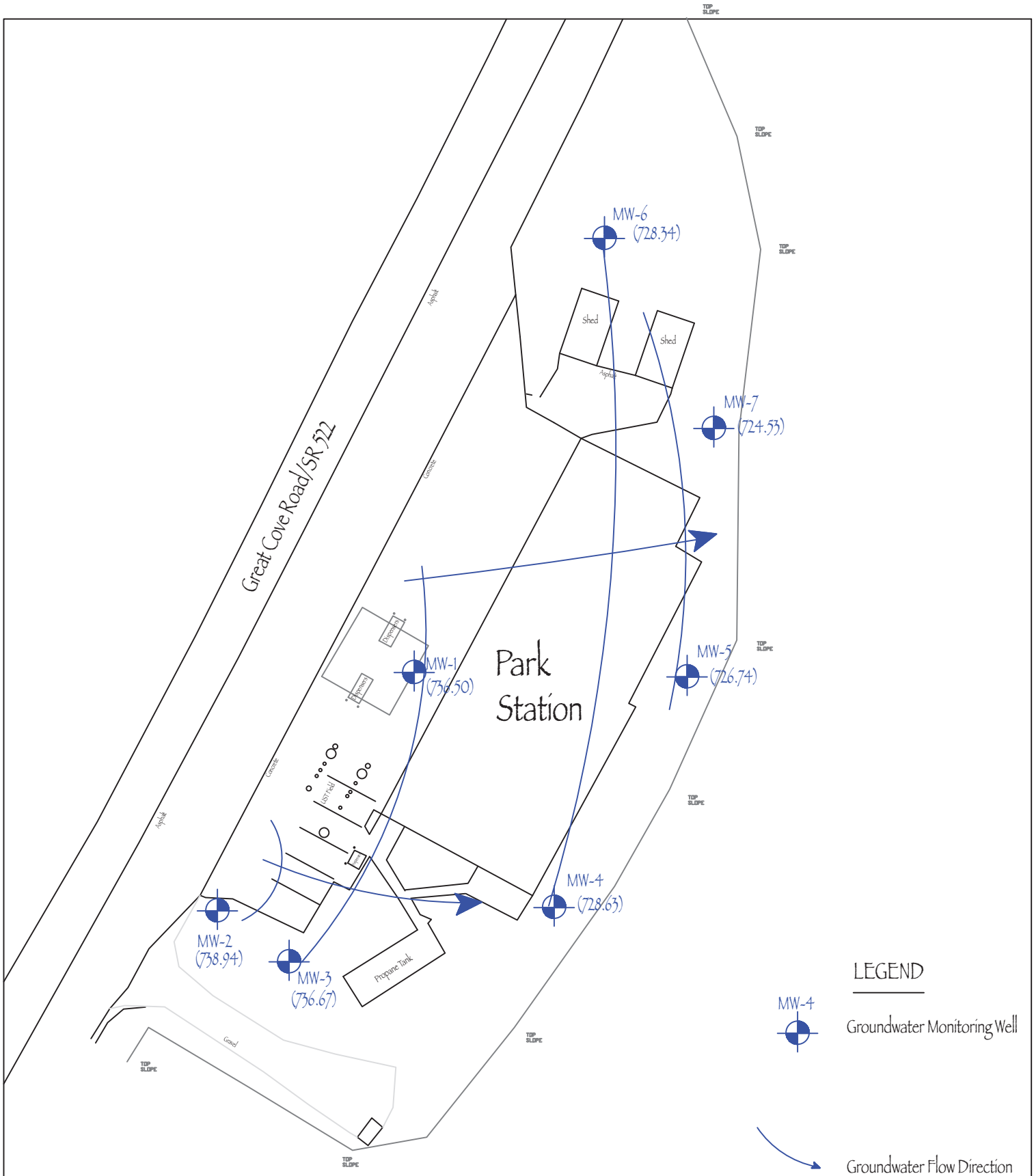
DATE:	3/7/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 3

McKee Environmental, Inc.

SITE CHARACTERIZATION
GROUNDWATER MONITORING WELL NETWORK

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4A

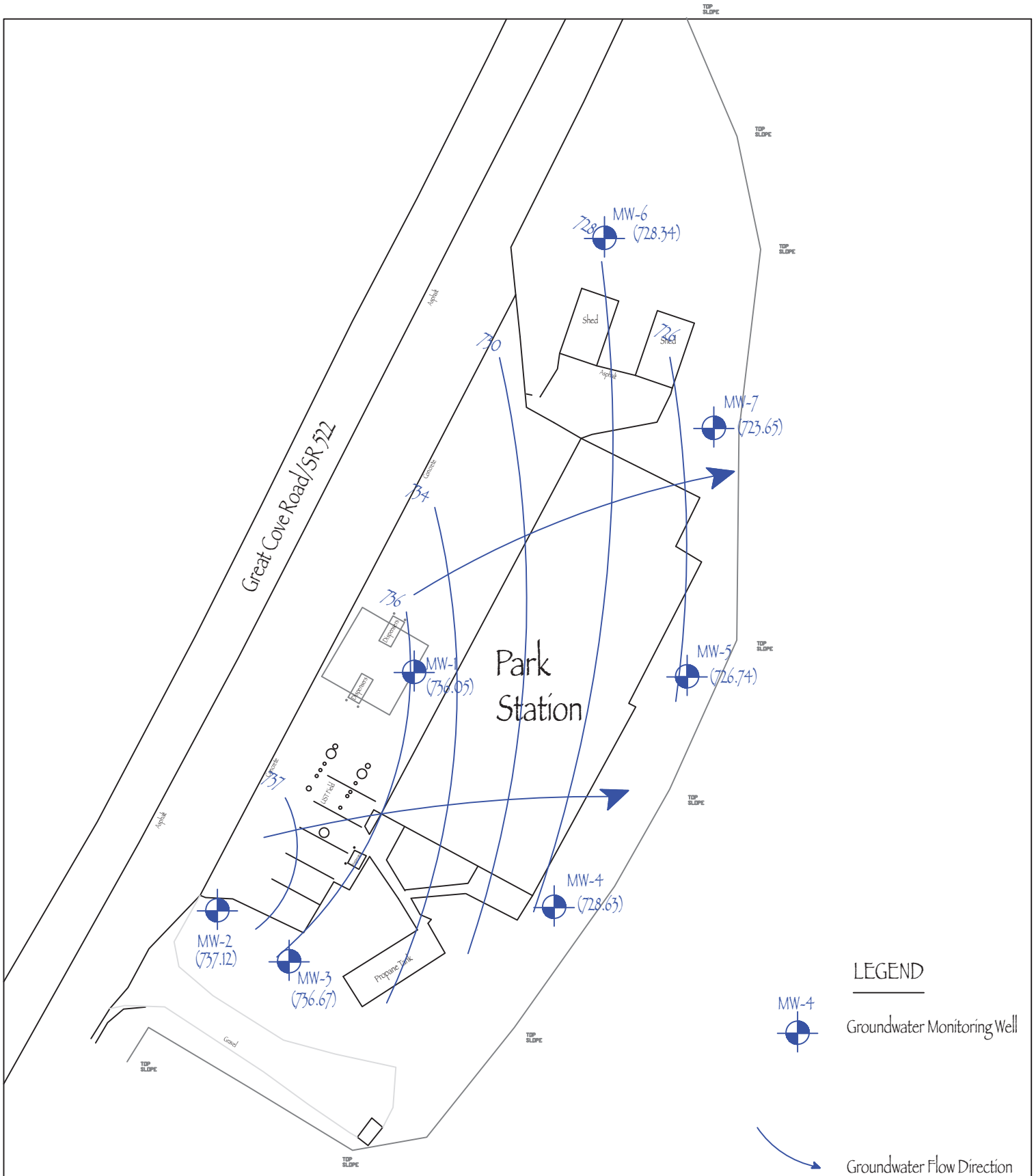
McKee Environmental, Inc.

SITE CHARACTERIZATION

GWC DIAGRAM
JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 Groundwater Monitoring Well

Groundwater Flow Direction

DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4B

McKee Environmental, Inc.

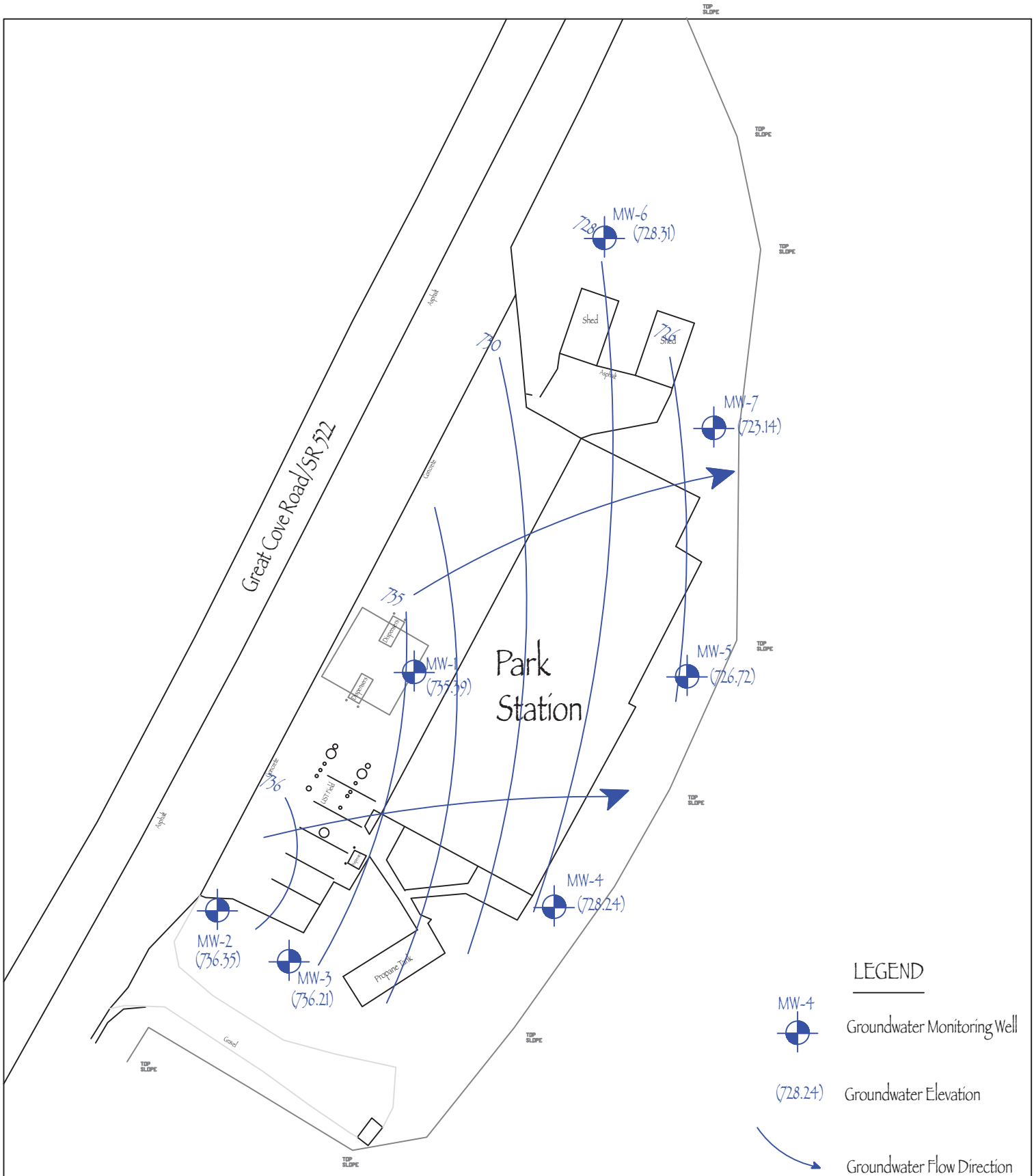
SITE CHARACTERIZATION

GWC DIAGRAM

SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4C

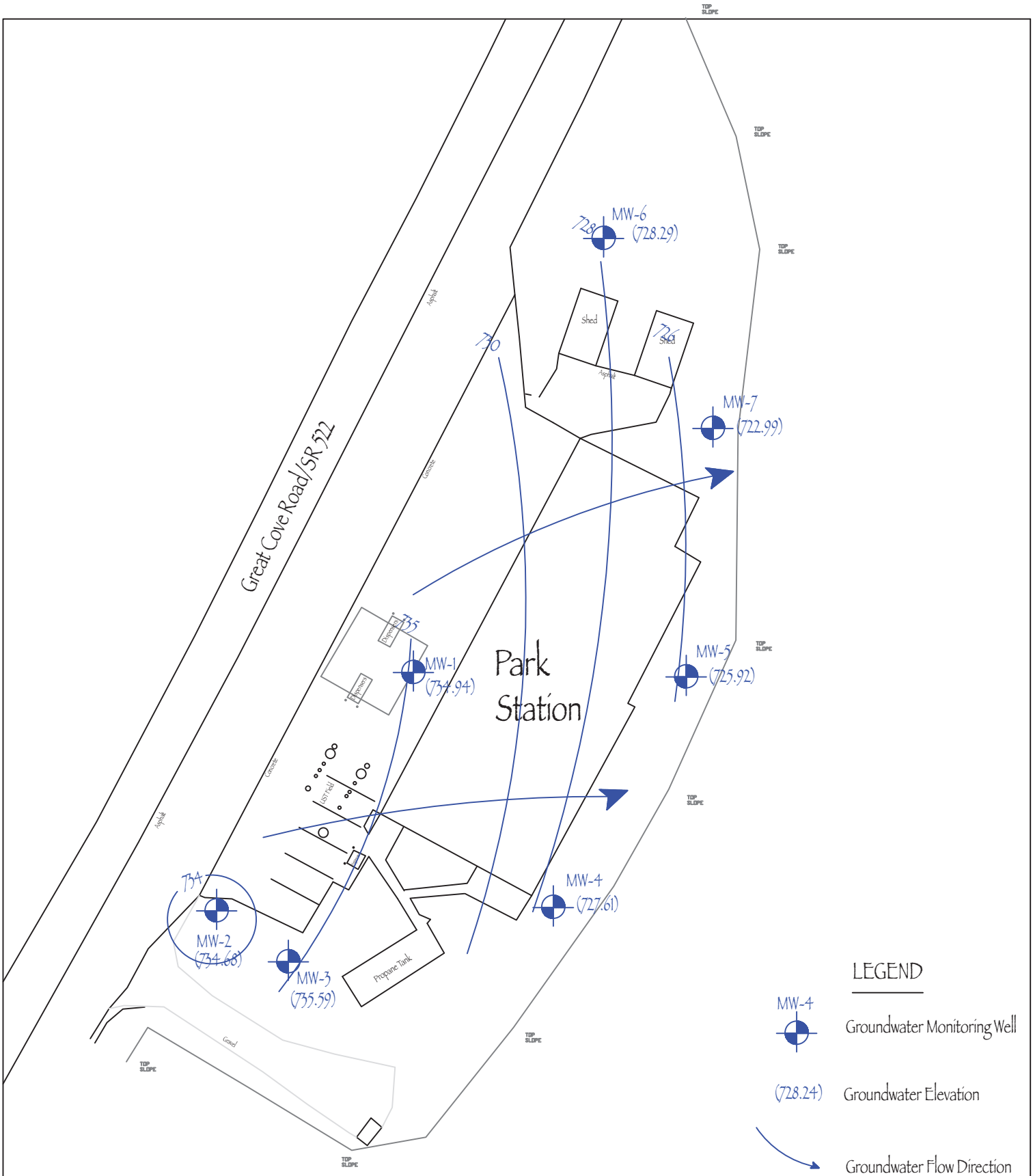
McKee Environmental, Inc.

SITE CHARACTERIZATION

GWC DIAGRAM
OCT 15, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	11/19/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4D

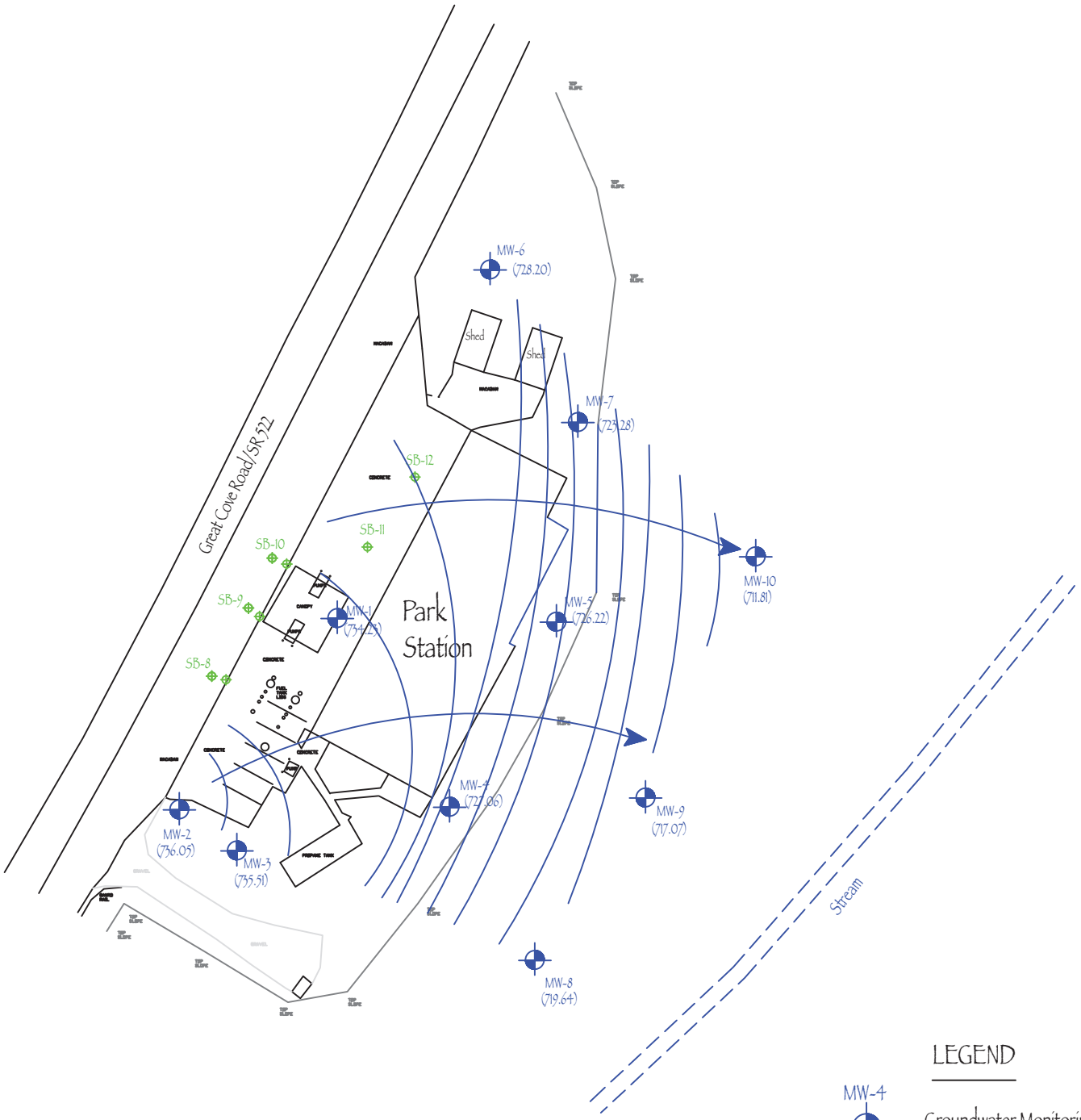
McKee Environmental, Inc.

SITE CHARACTERIZATION

GWC DIAGRAM
NOV 16, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	1/5/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4E

McKee Environmental, Inc.

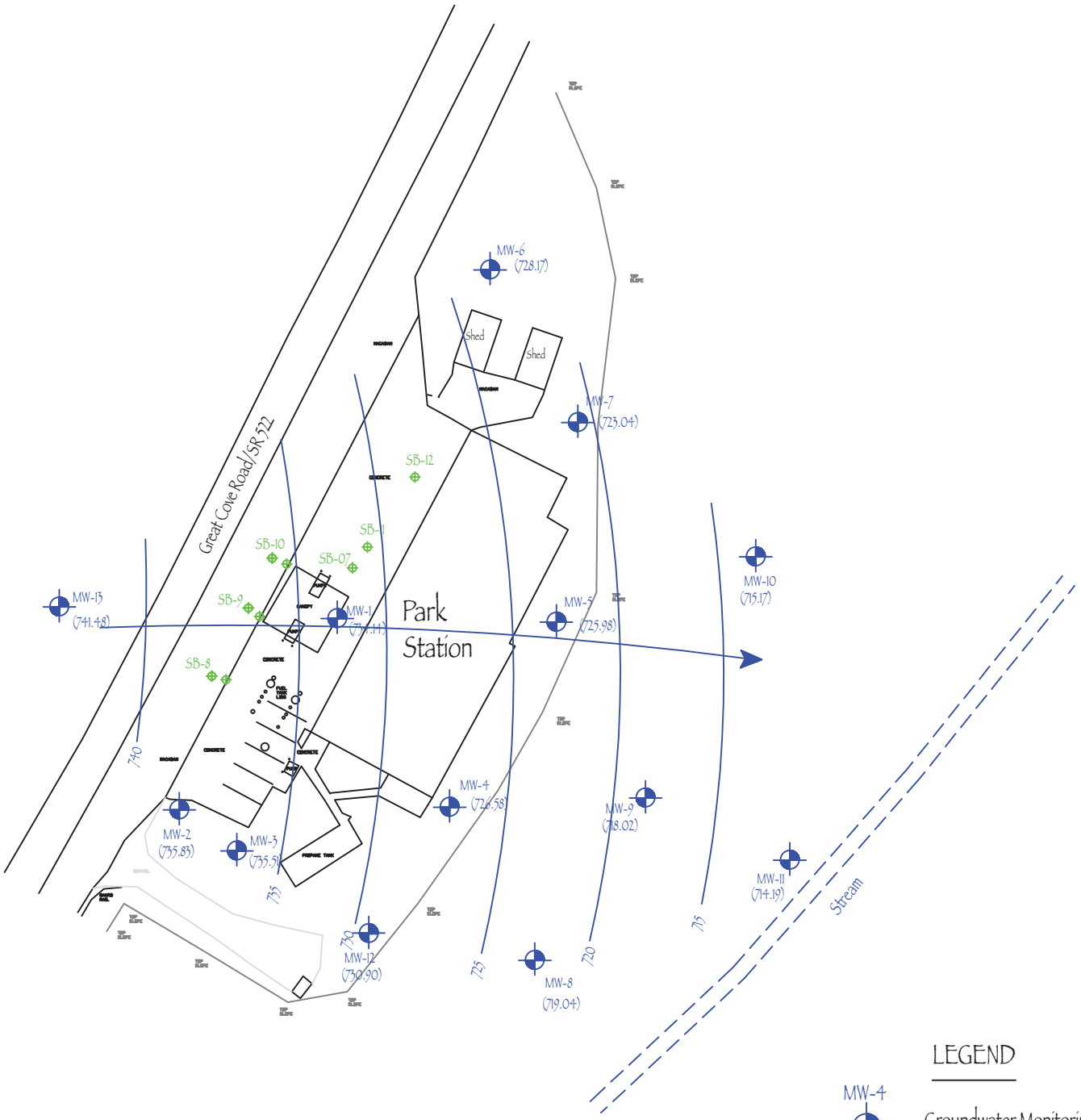
SITE CHARACTERIZATION

GWC DIAGRAM

DEC 27, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/7/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4F

McKee Environmental, Inc.

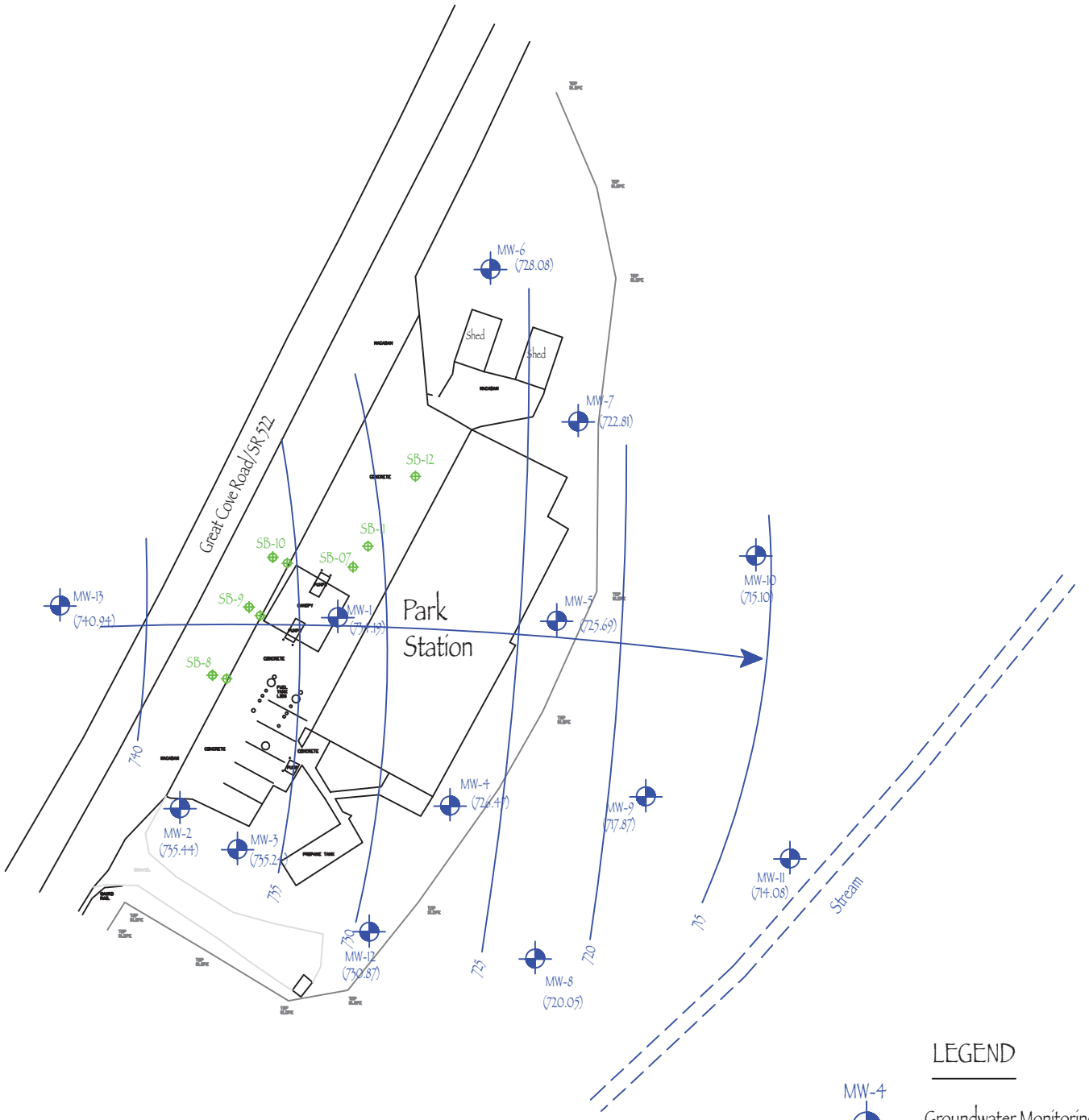
SITE CHARACTERIZATION

GWC DIAGRAM

FEB 21, 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 — Groundwater Monitoring Well

(741.48) — Groundwater Elevation

740 — Groundwater Contour Line and Elevation

DATE:	3/7/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 4G

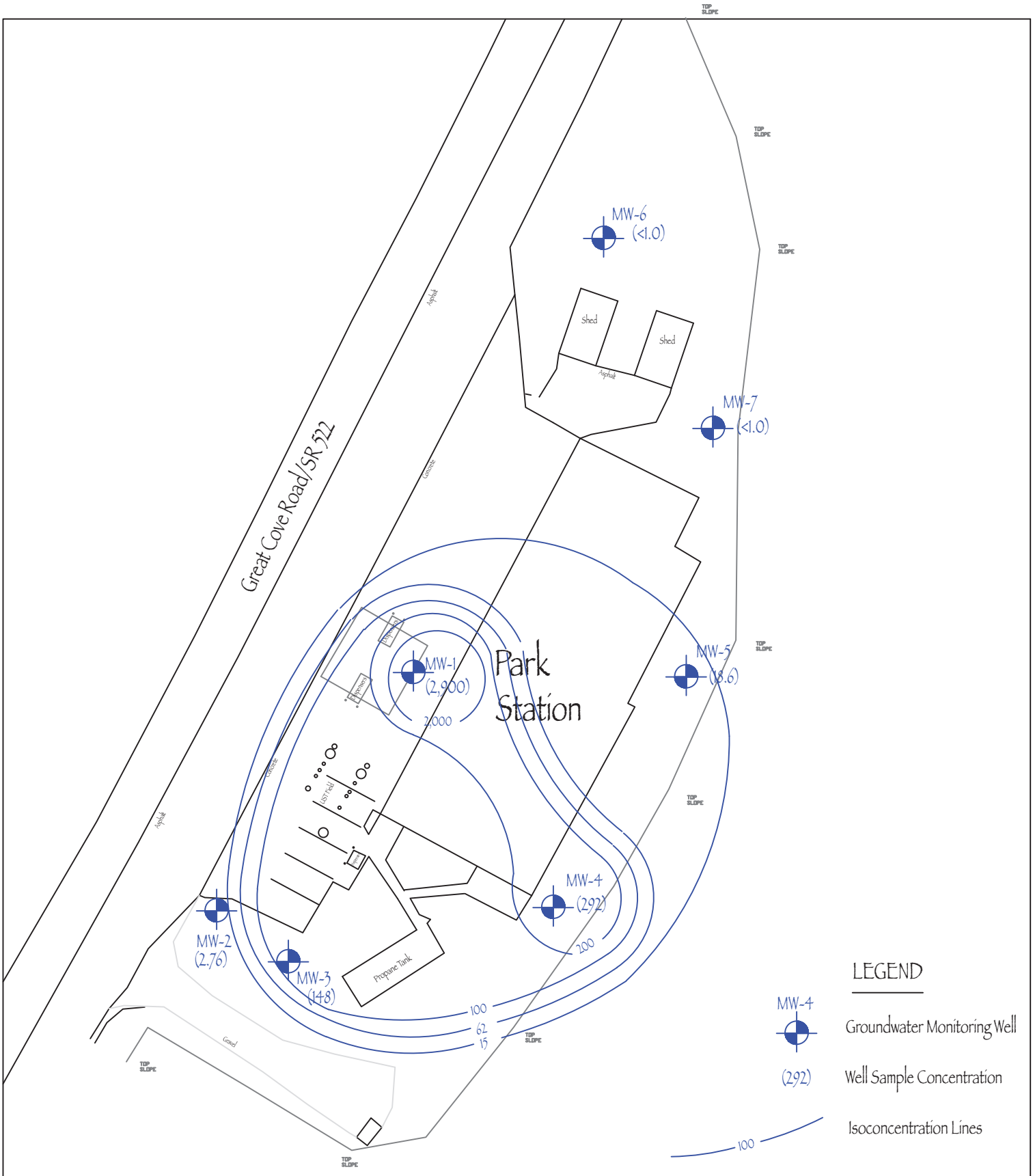
McKee Environmental, Inc.

SITE CHARACTERIZATION

GWC DIAGRAM
MAR 12, 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5A

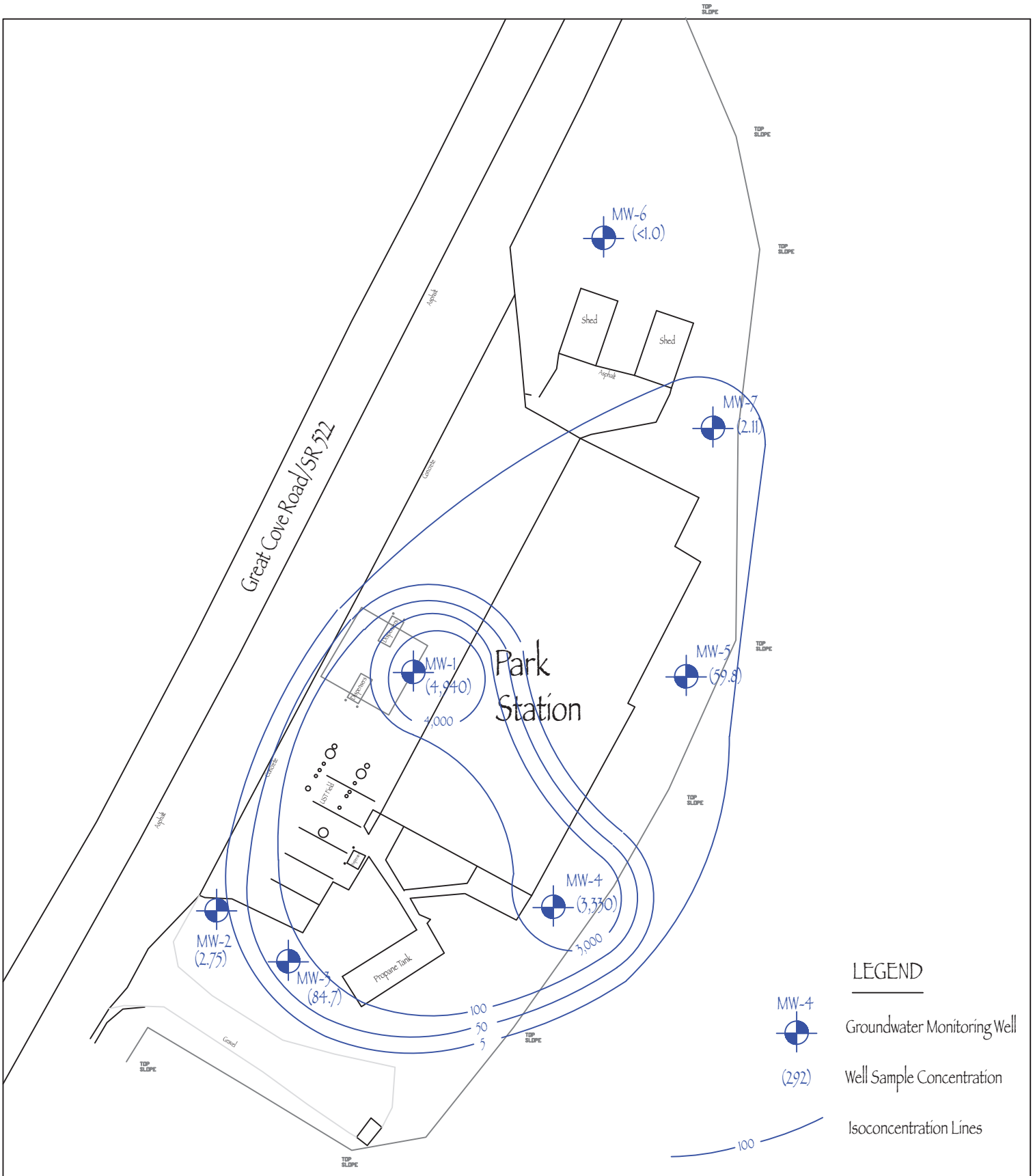
McKee Environmental, Inc.

SITE CHARACTERIZATION

ISOCON 1,2,4-TMB
JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5B

McKee Environmental, Inc.

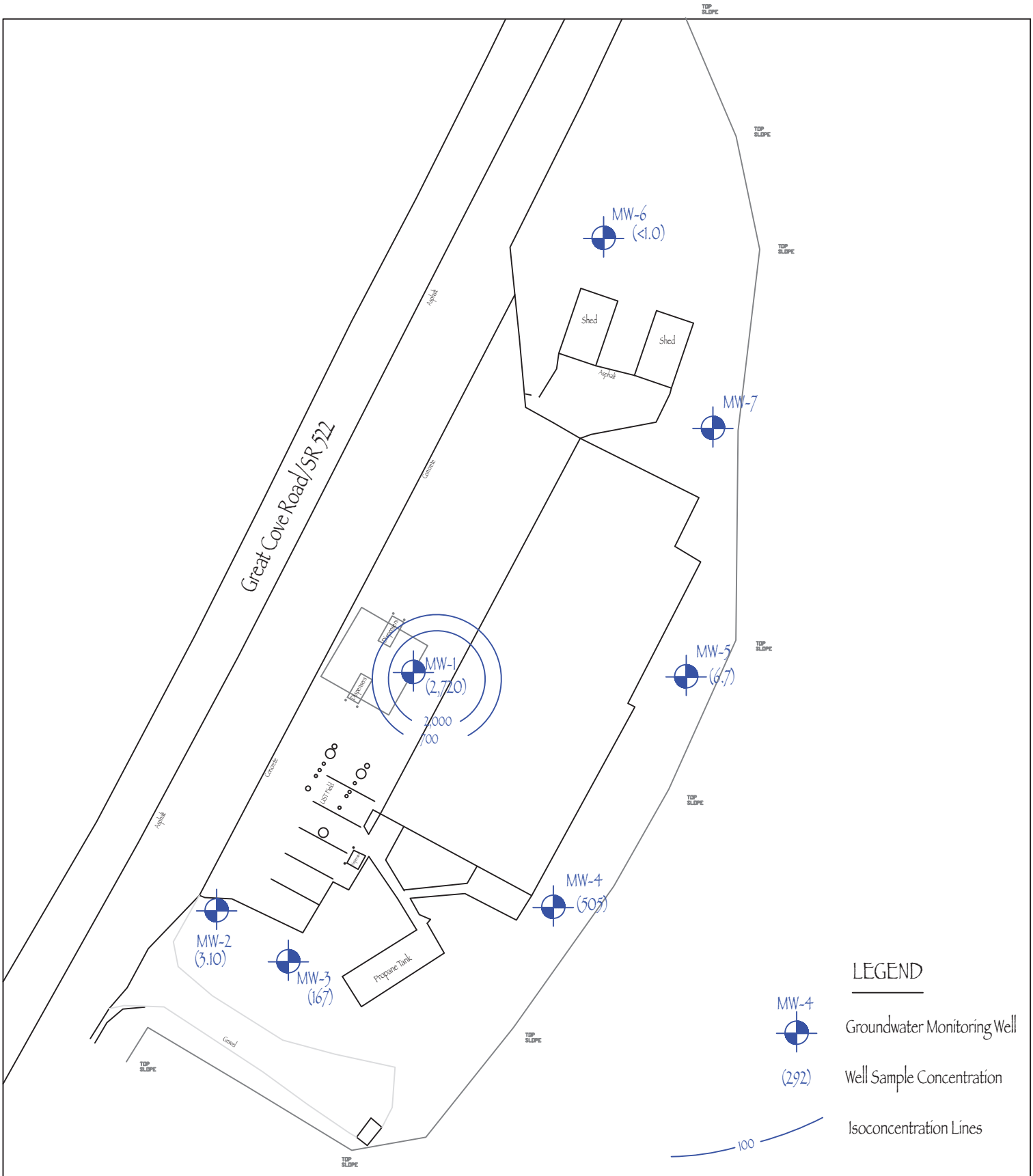
SITE CHARACTERIZATION

ISOCON BENZENE

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5C

McKee Environmental, Inc.

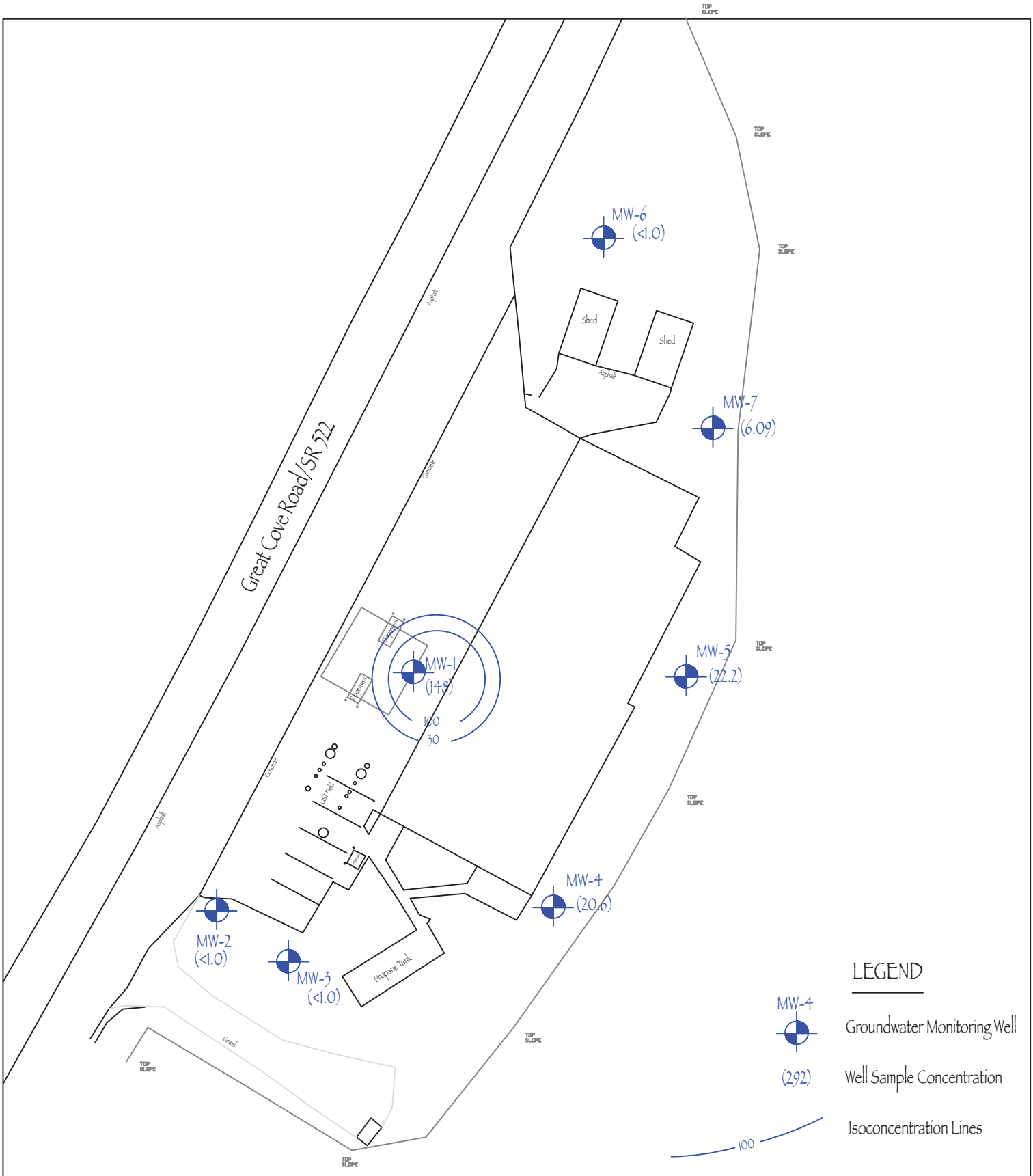
SITE CHARACTERIZATION

ISOCON ETHYLBENZENE

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5D

McKee Environmental, Inc.

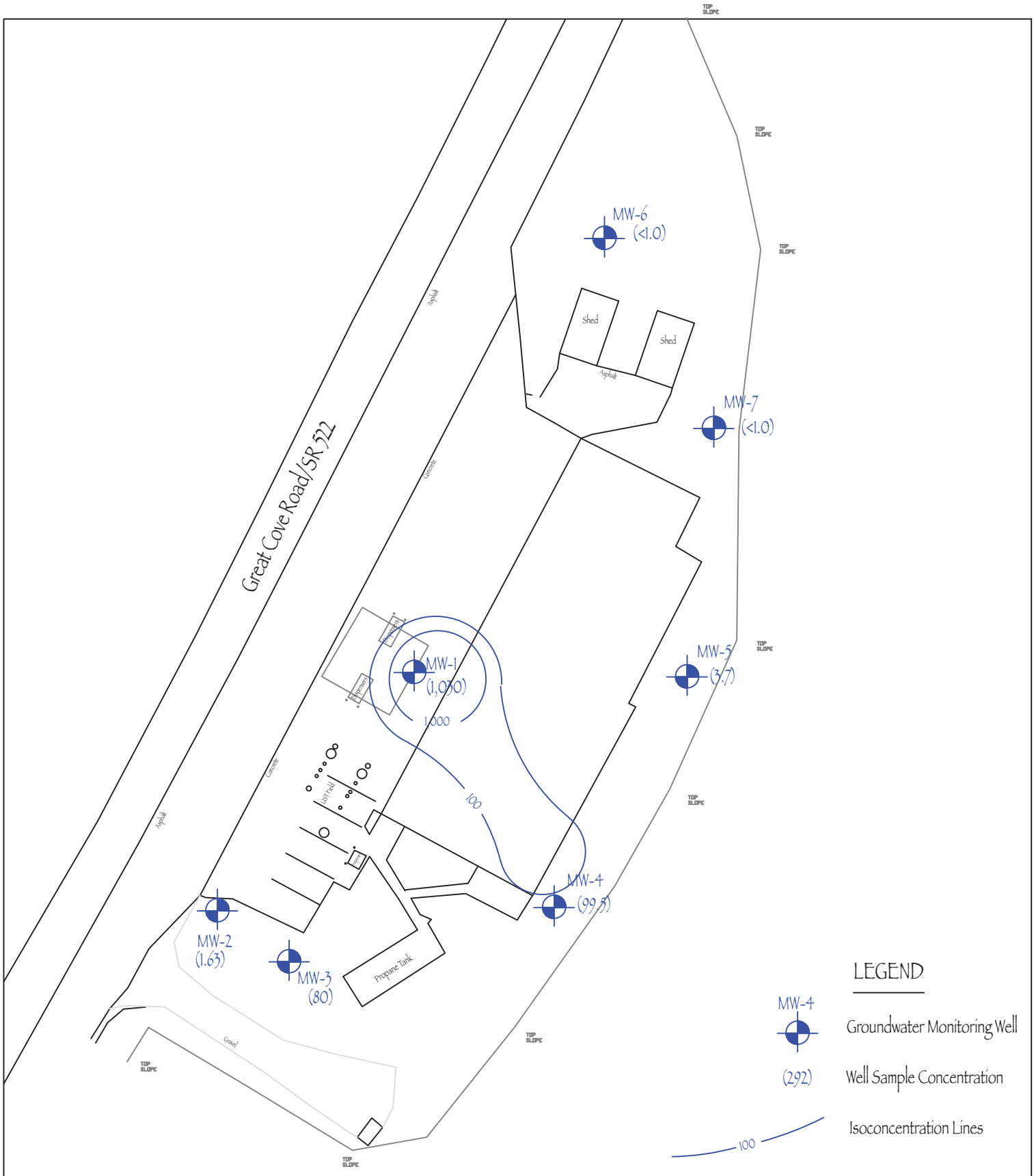
SITE CHARACTERIZATION

ISOCON MTBE

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5E

McKee Environmental, Inc.

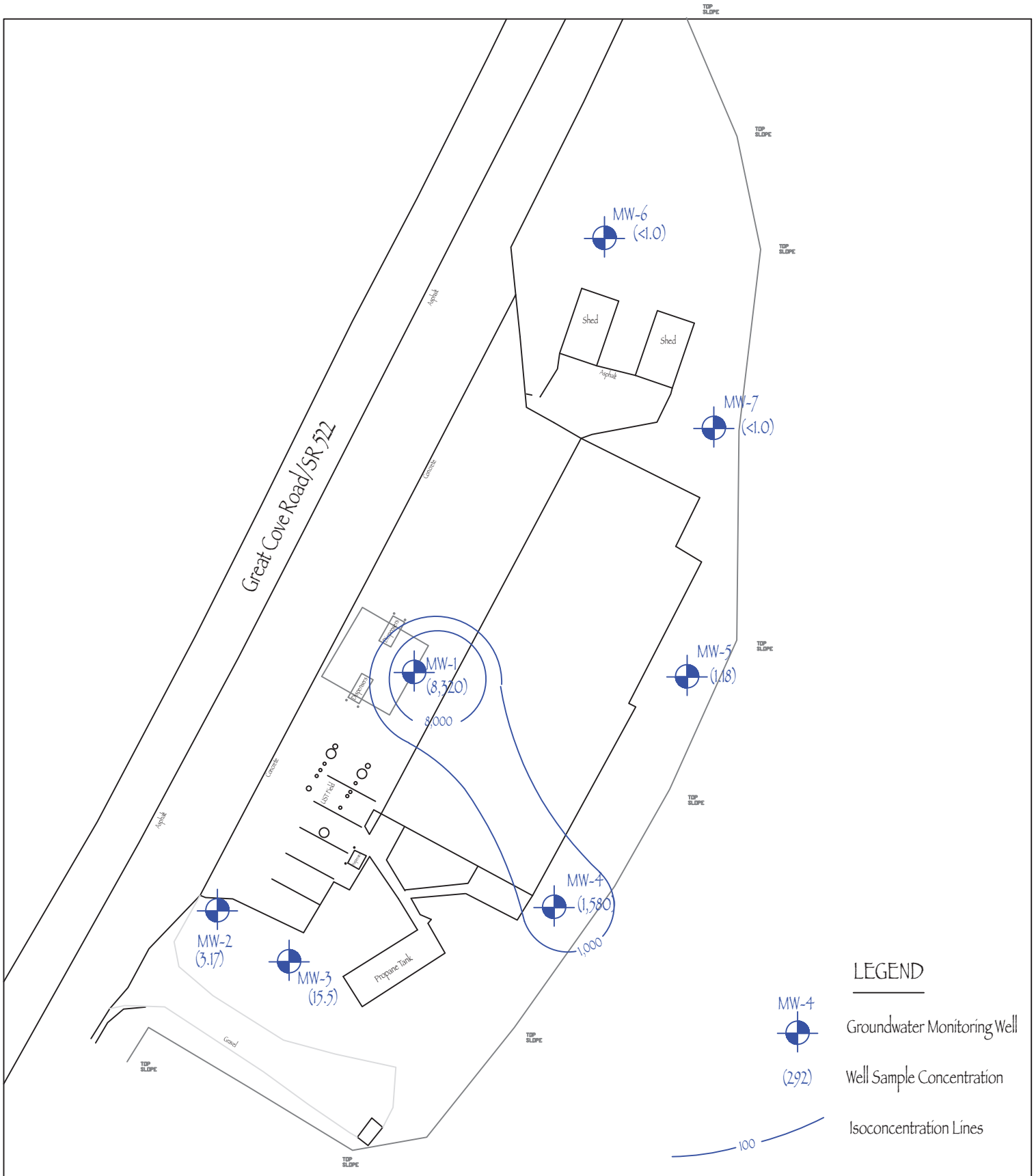
SITE CHARACTERIZATION

ISOCON NAPHTHALENE

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5E

McKee Environmental, Inc.

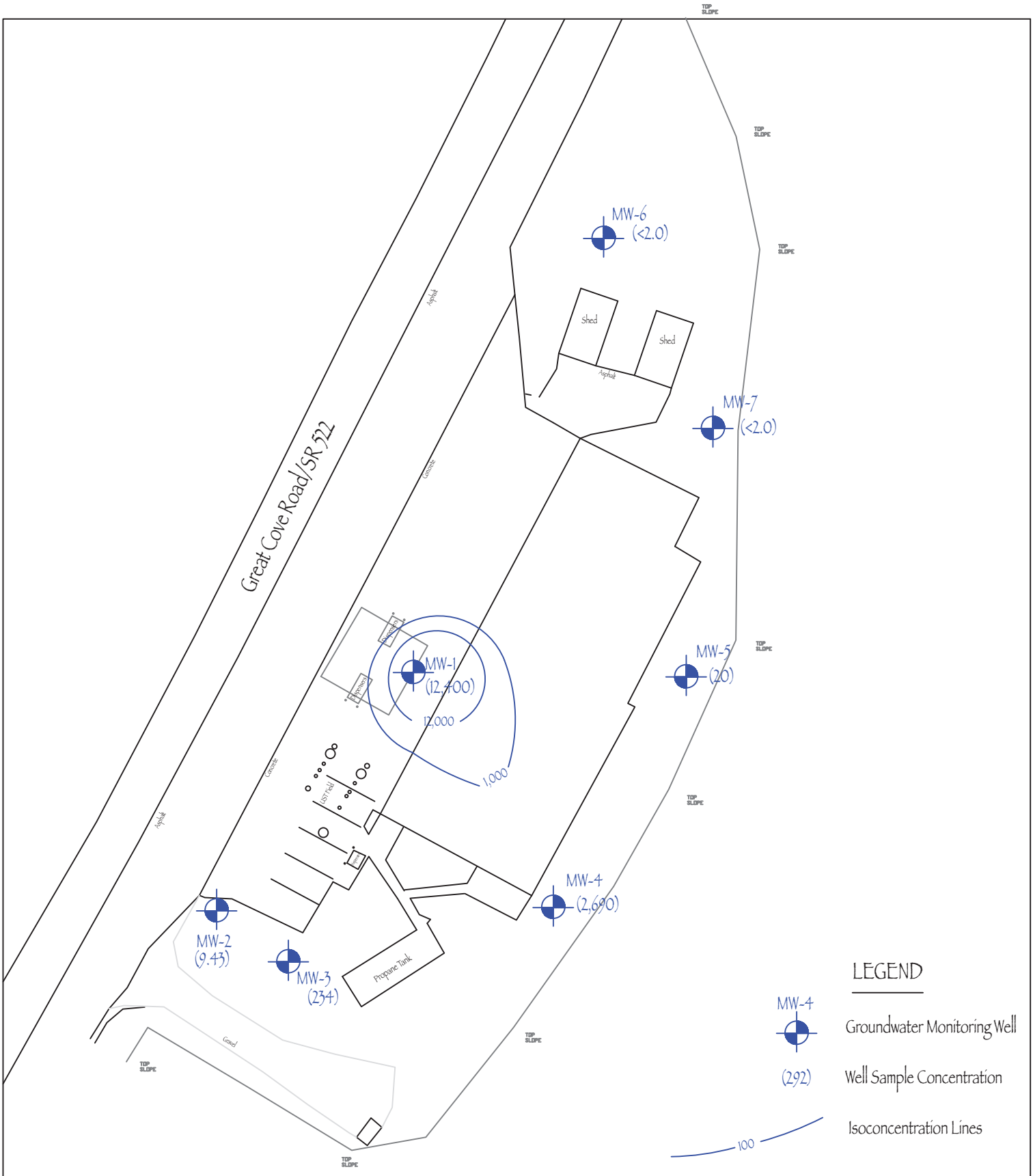
SITE CHARACTERIZATION

ISOCON NAPHTHALENE

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 5G

McKee Environmental, Inc.

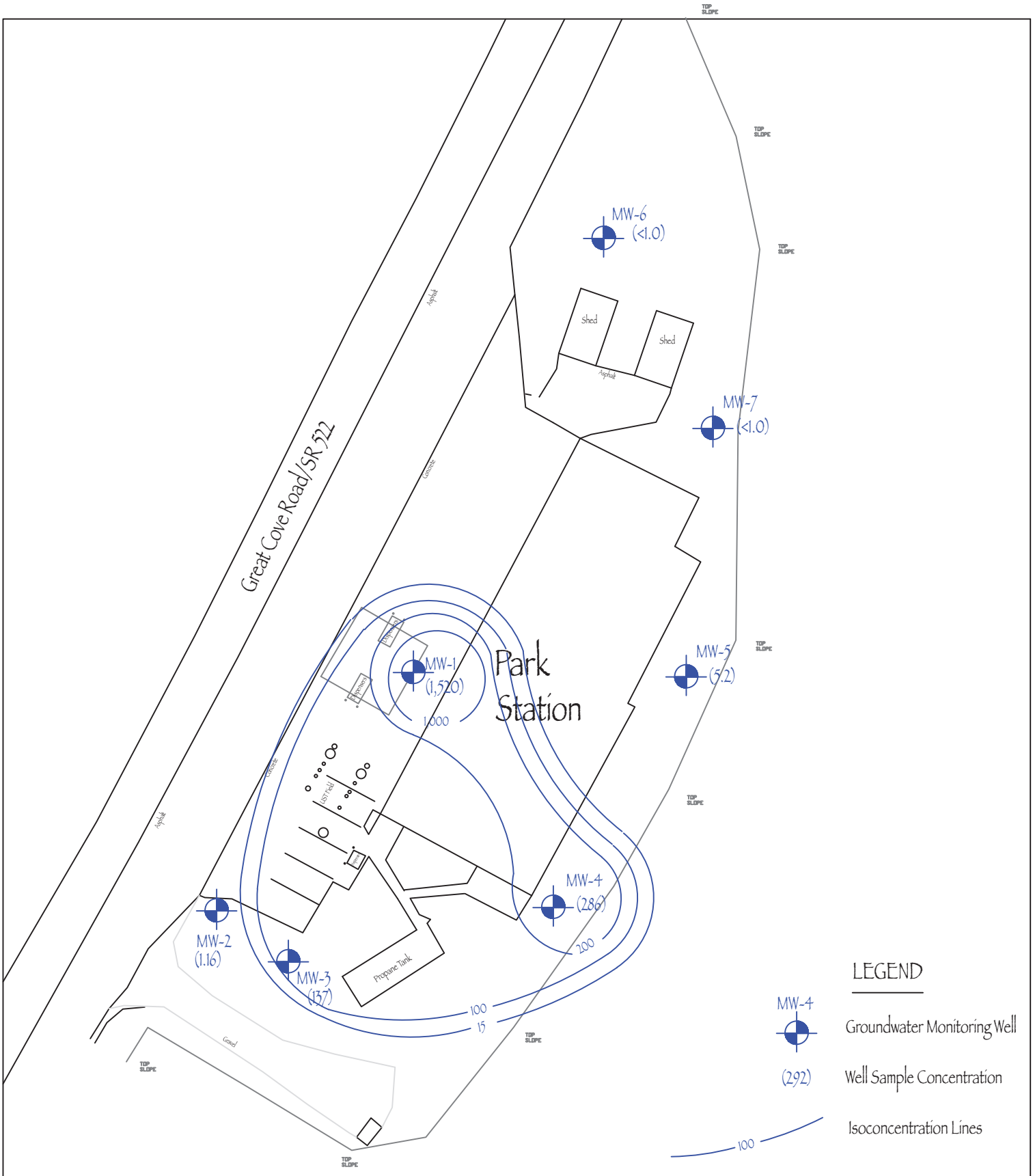
SITE CHARACTERIZATION

ISOCON XYLENES

JULY 8, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6A

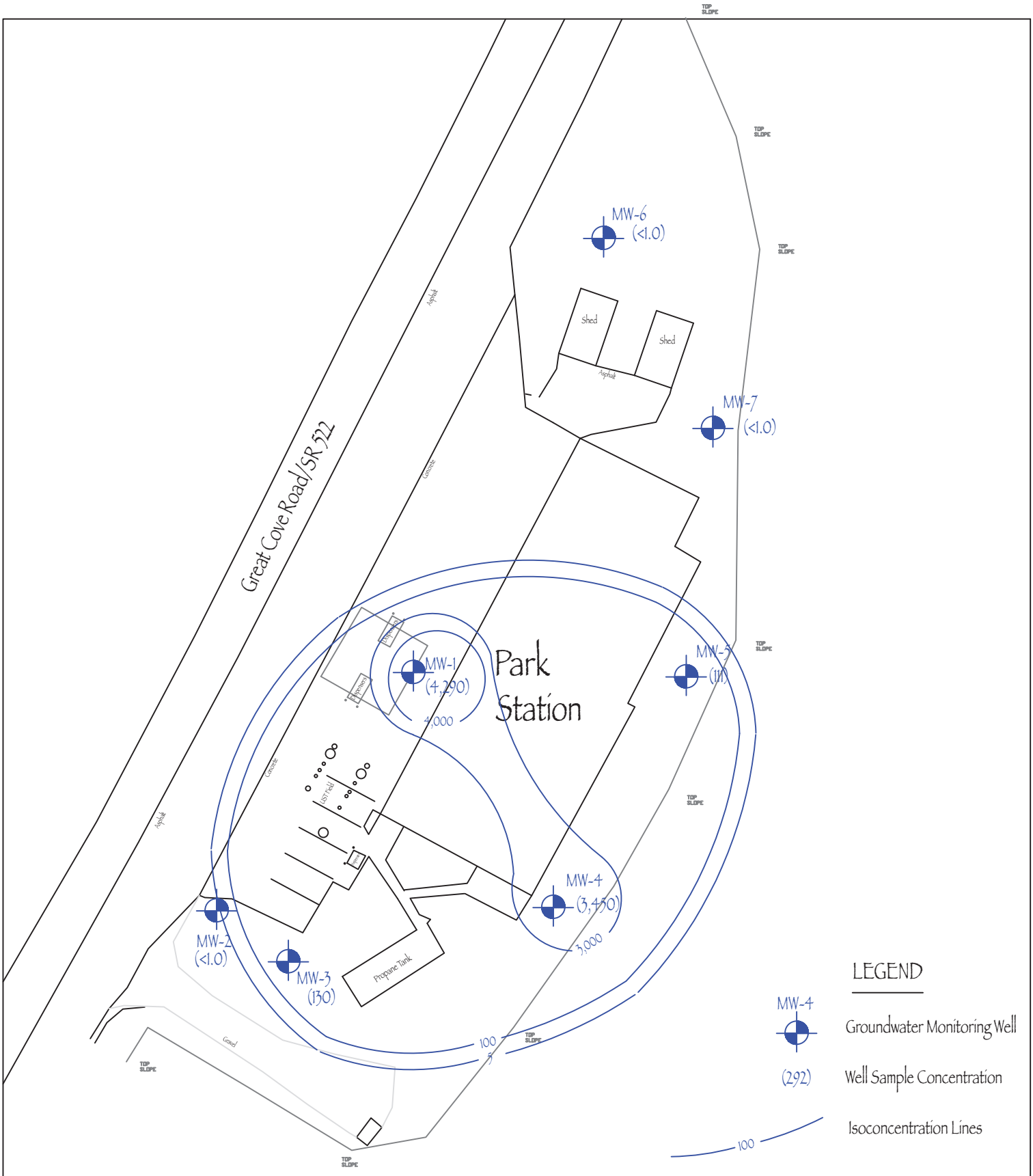
McKee Environmental, Inc.

SITE CHARACTERIZATION

ISOCON 1,2,4-TMB
SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6B

McKee Environmental, Inc.

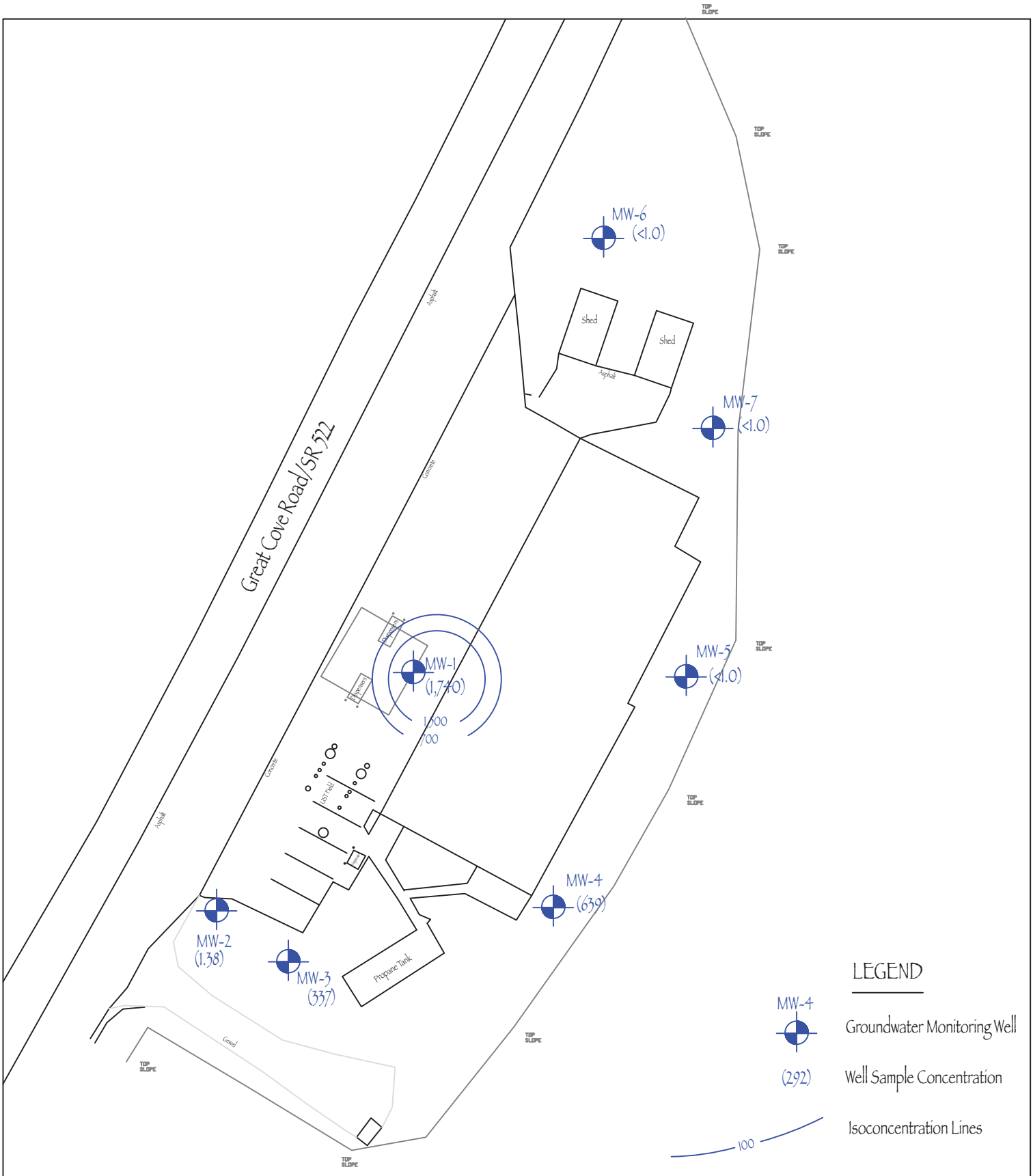
SITE CHARACTERIZATION

ISOCON BENZENE

SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6C

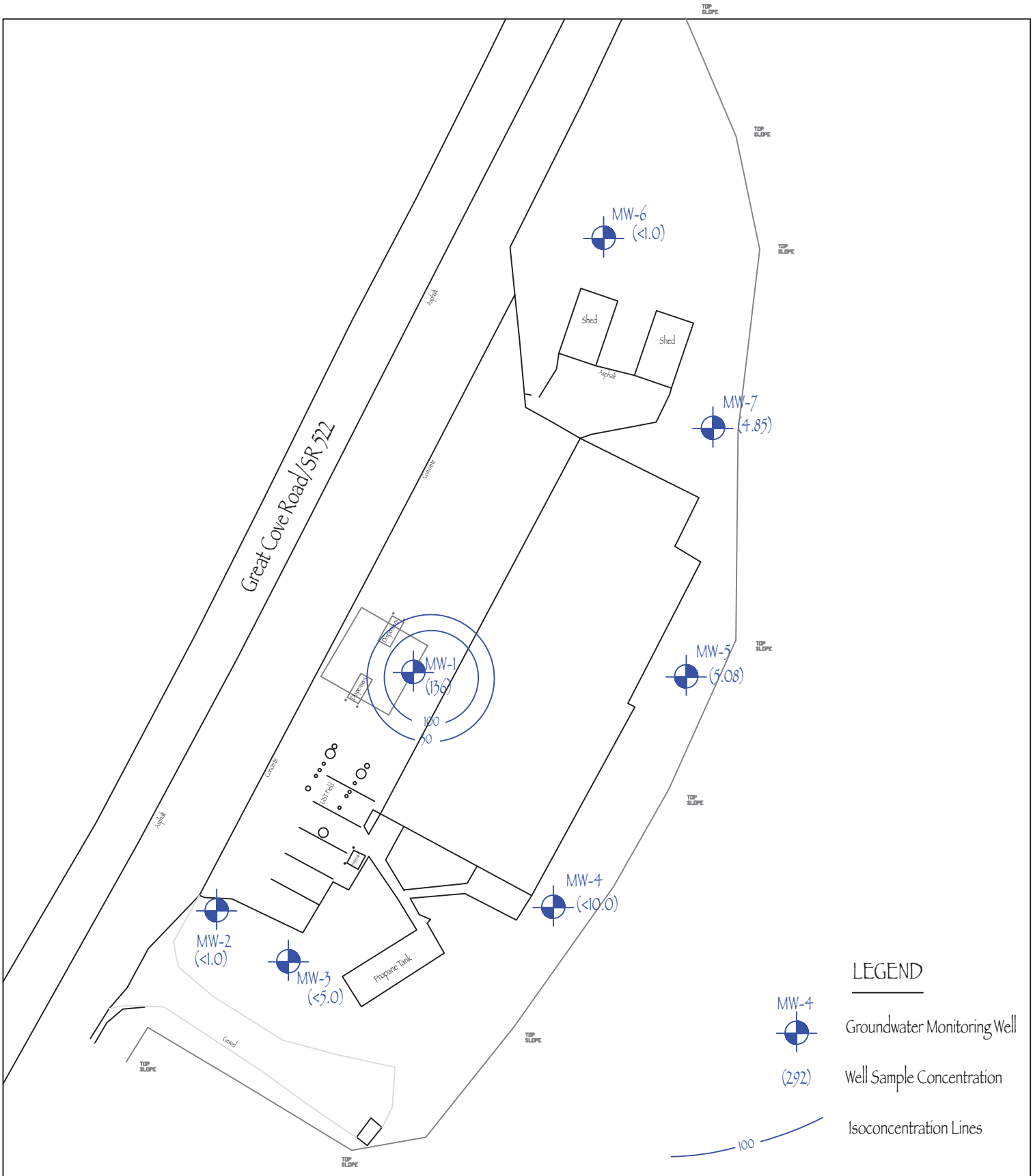
McKee Environmental, Inc.

SITE CHARACTERIZATION

ISOCON ETHYLBENZENE
SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6D

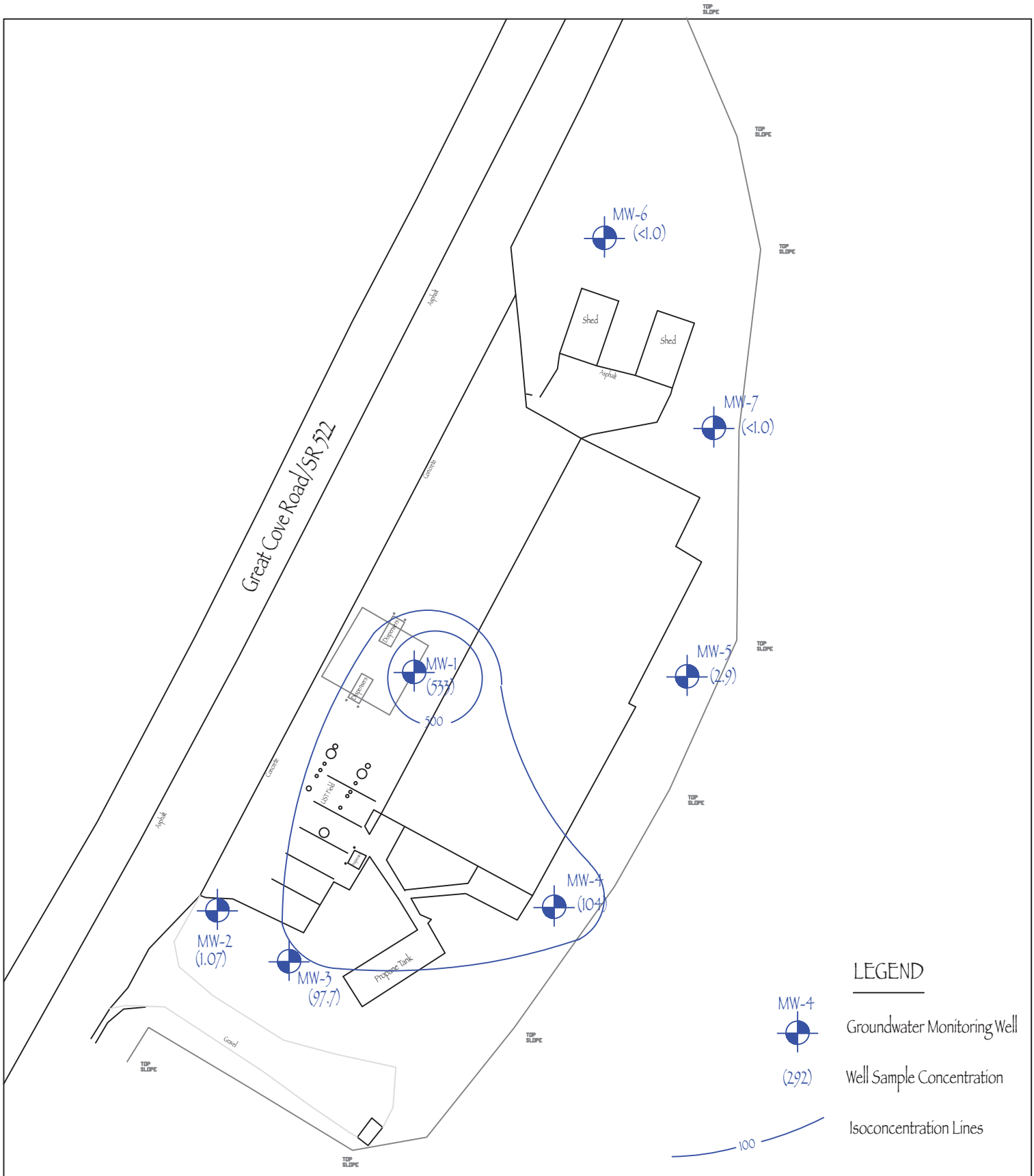
McKee Environmental, Inc.

SITE CHARACTERIZATION

ISOCON MTBE
SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6E

McKee Environmental, Inc.

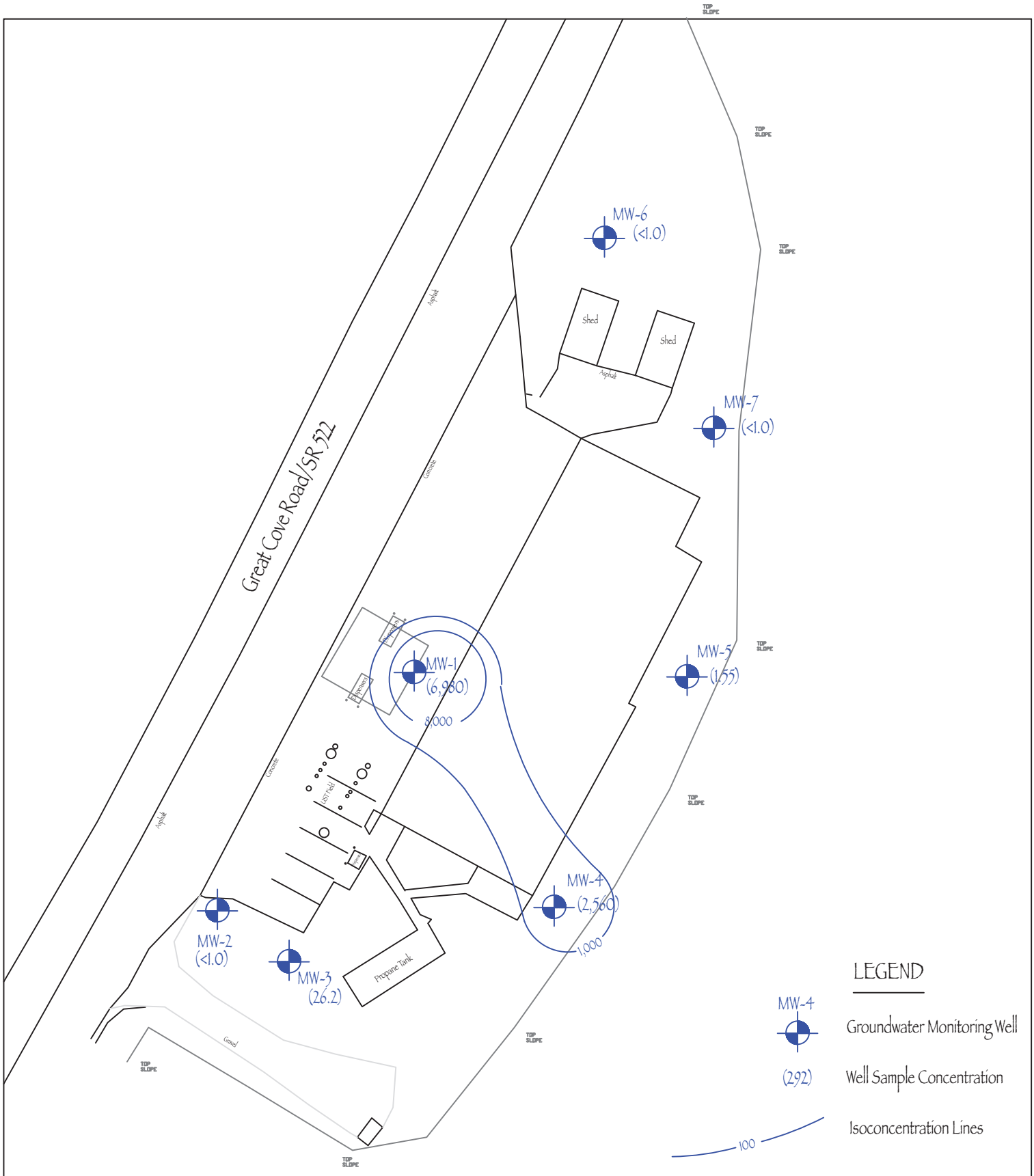
SITE CHARACTERIZATION

ISOCON NAPHTHALENE

SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 6F

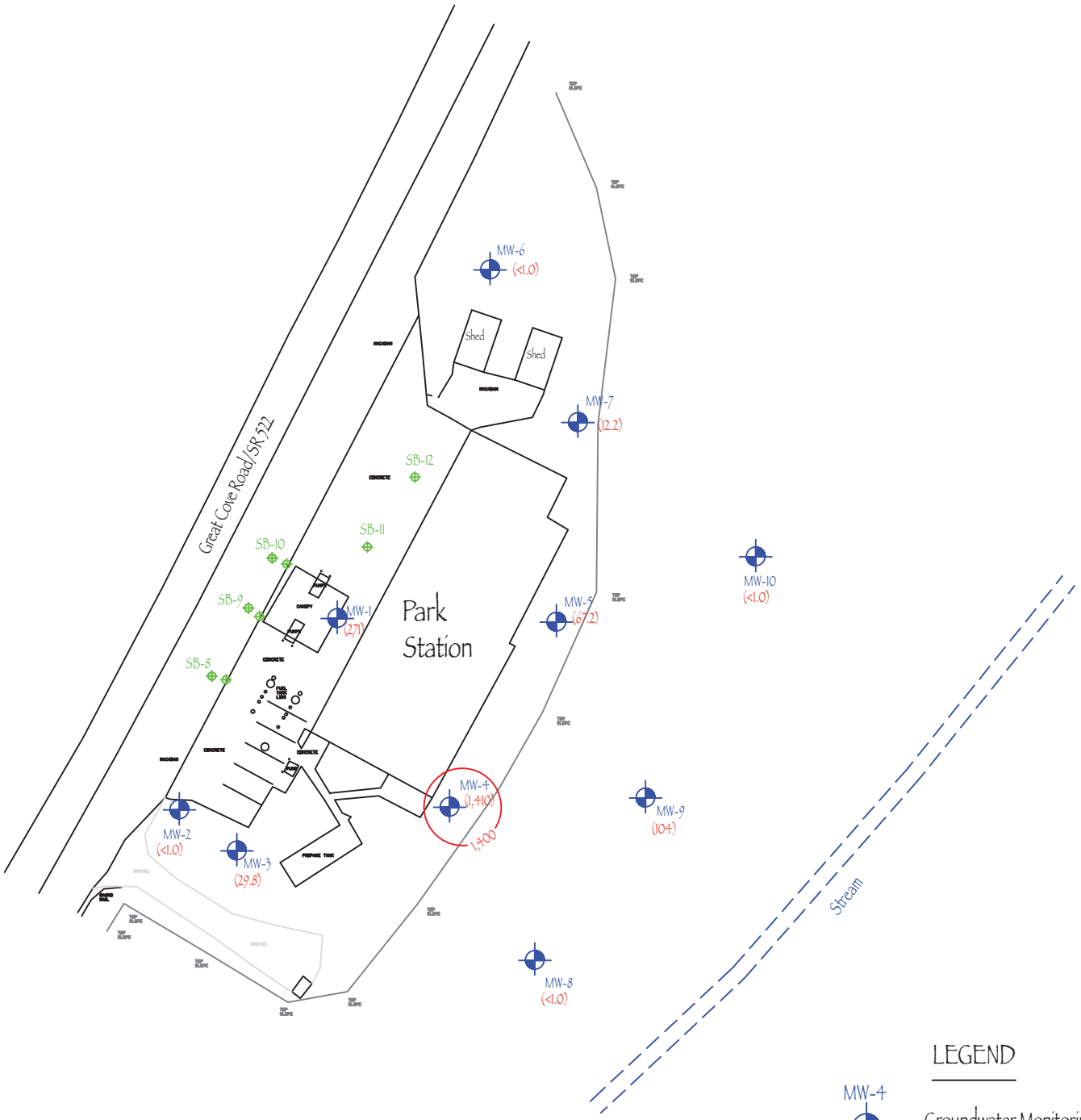
McKee Environmental, Inc.

SITE CHARACTERIZATION

ISOCON TOLUENE
SEPT 9, 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/26/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7A

McKee Environmental, Inc.

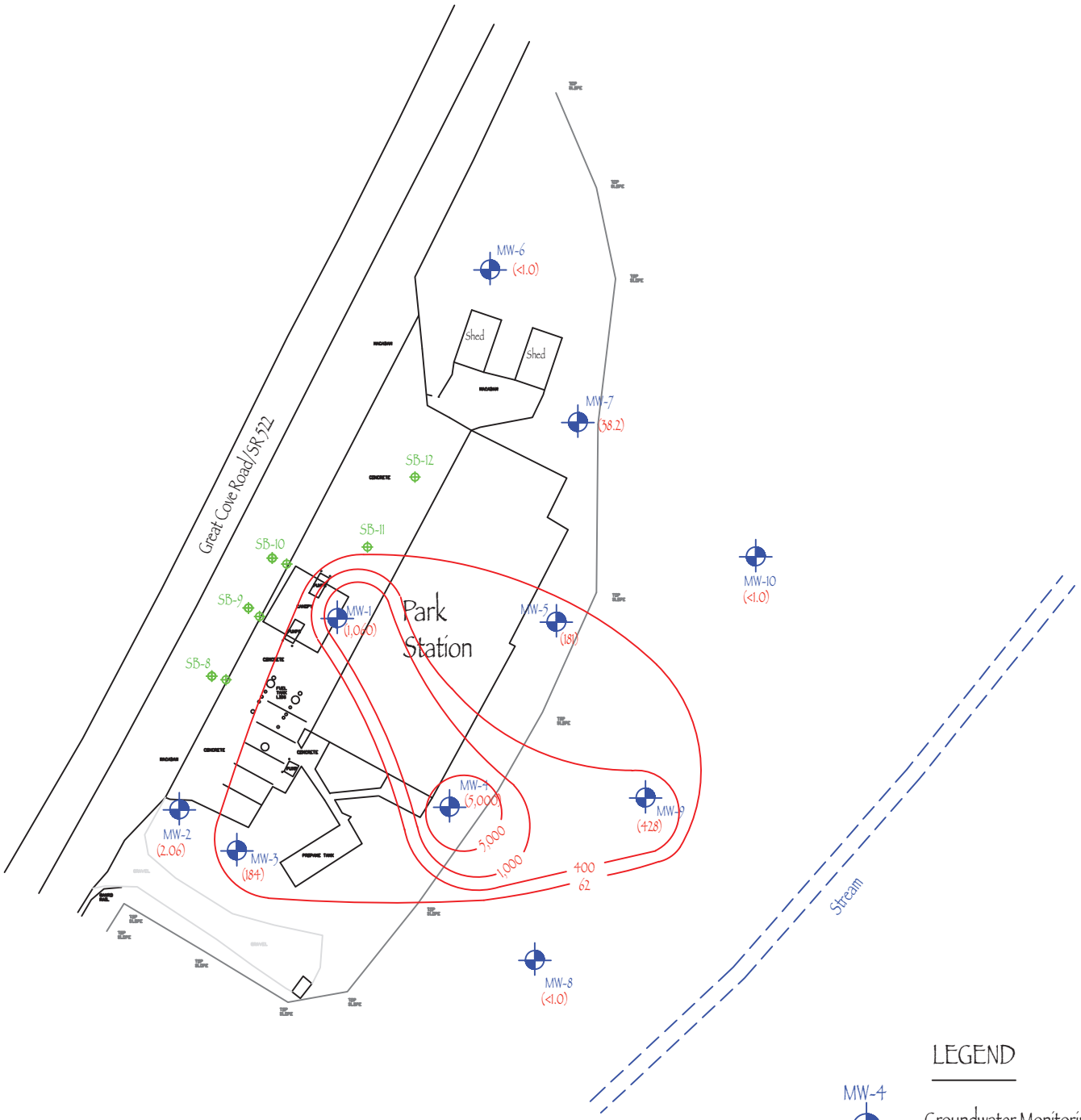
SITE CHARACTERIZATION

GROUNDWATER ISOCON

1,3,5 TMB - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 — Groundwater Monitoring Well

(1,000) — Groundwater Concentration

Isoconcentration Lines

DATE:	3/26/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7B

McKee Environmental, Inc.

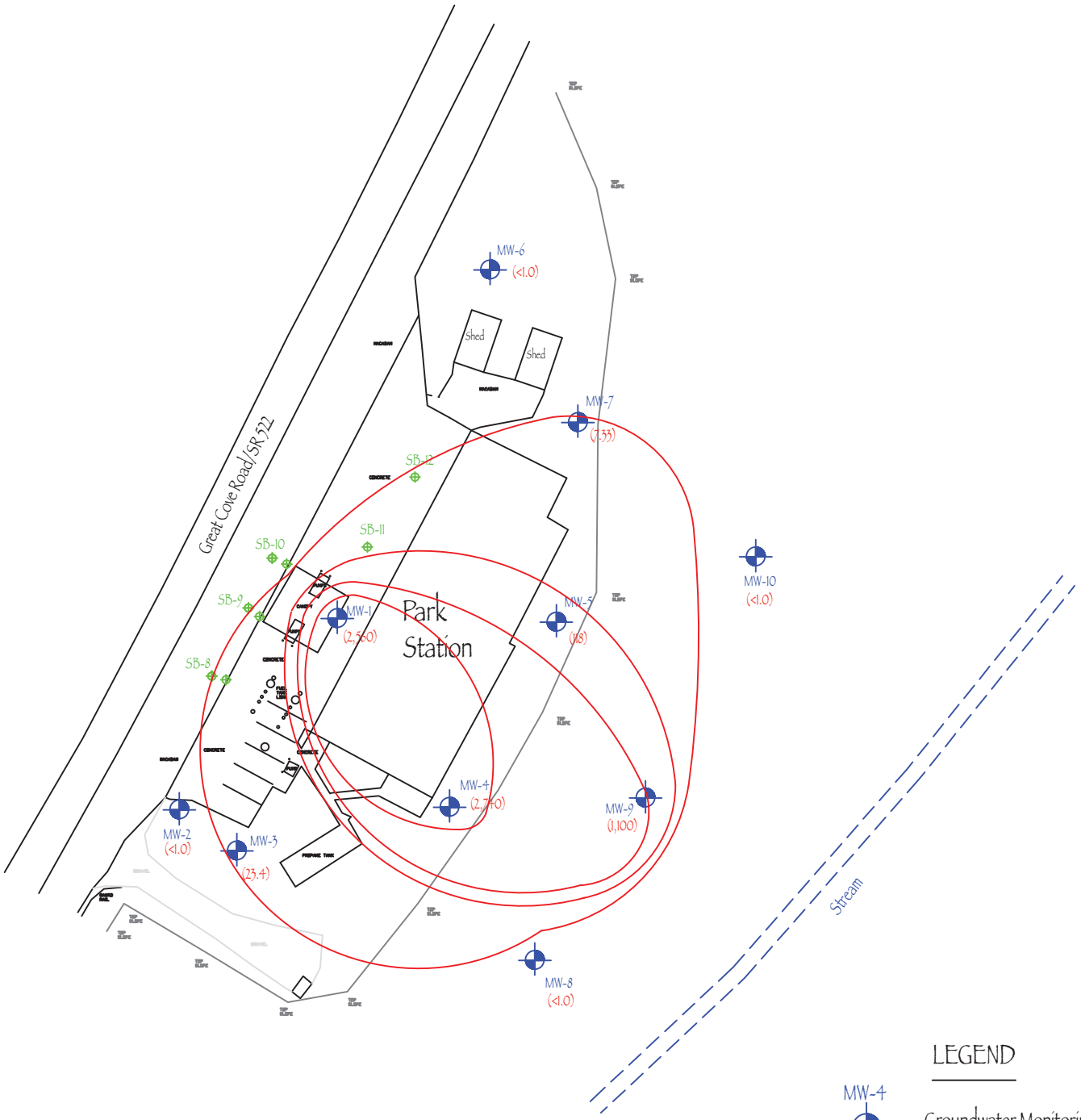
SITE CHARACTERIZATION

GROUNDWATER ISOCON

1,2,4 TMB - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	1/21/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7C

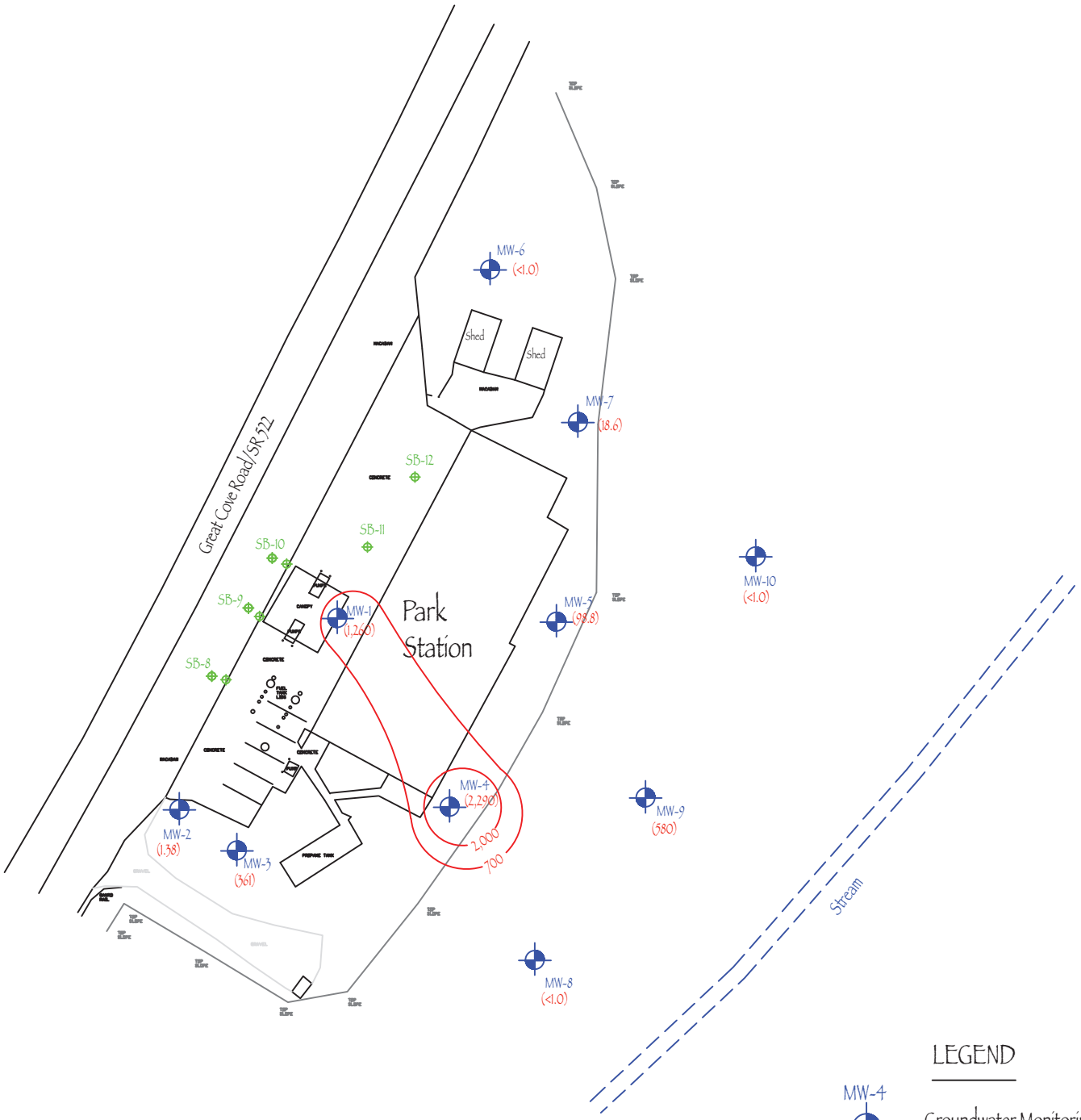
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON BENZENE - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 — Groundwater Monitoring Well

(1,000) — Groundwater Concentration

Isoconcentration Lines

DATE:	3/26/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7D

McKee Environmental, Inc.

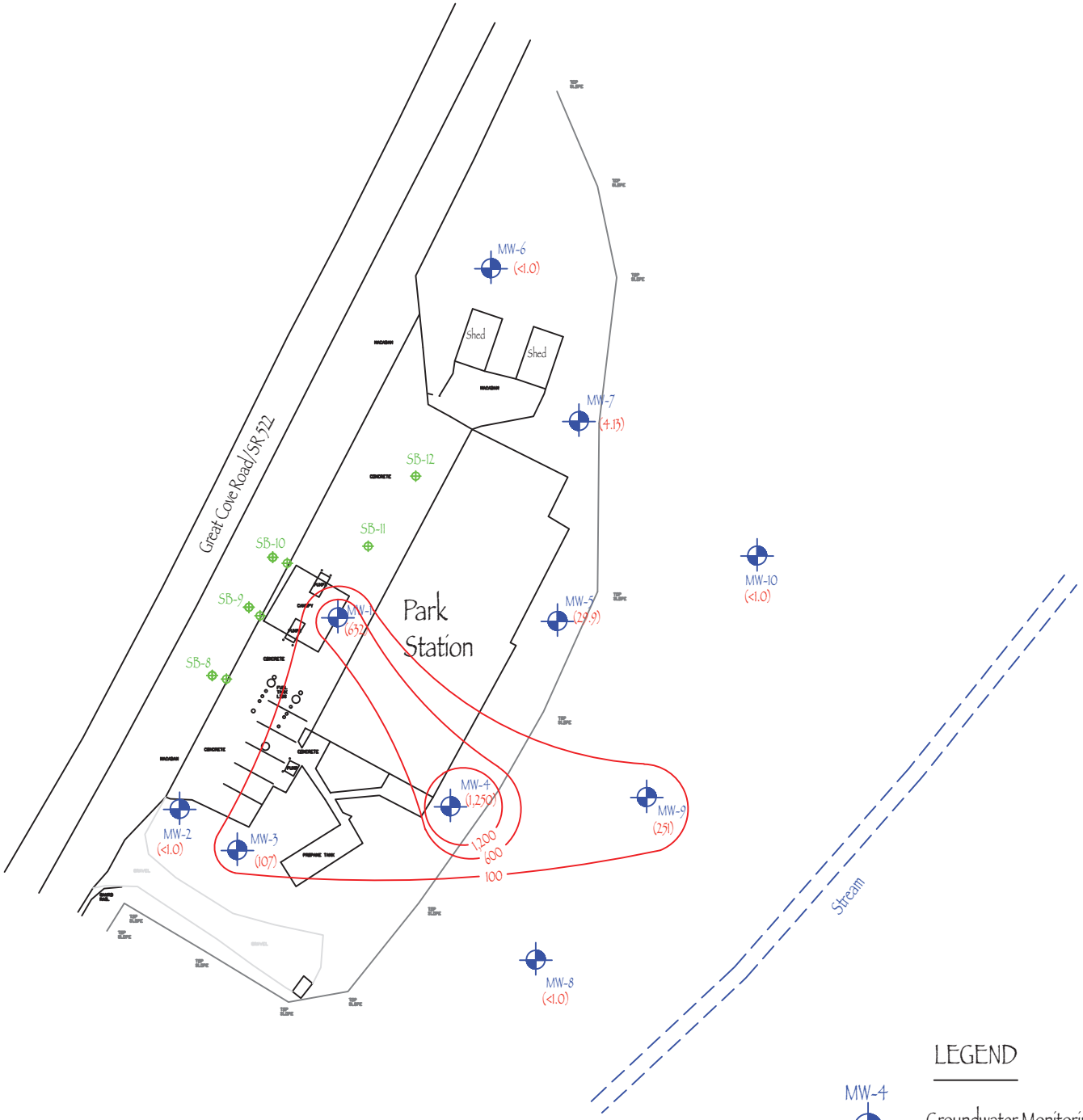
SITE CHARACTERIZATION

GROUNDWATER ISOCON

ETHYLBENZENE - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 — Groundwater Monitoring Well

(1,000) — Groundwater Concentration

Isoconcentration Lines

DATE:	3/26/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7E

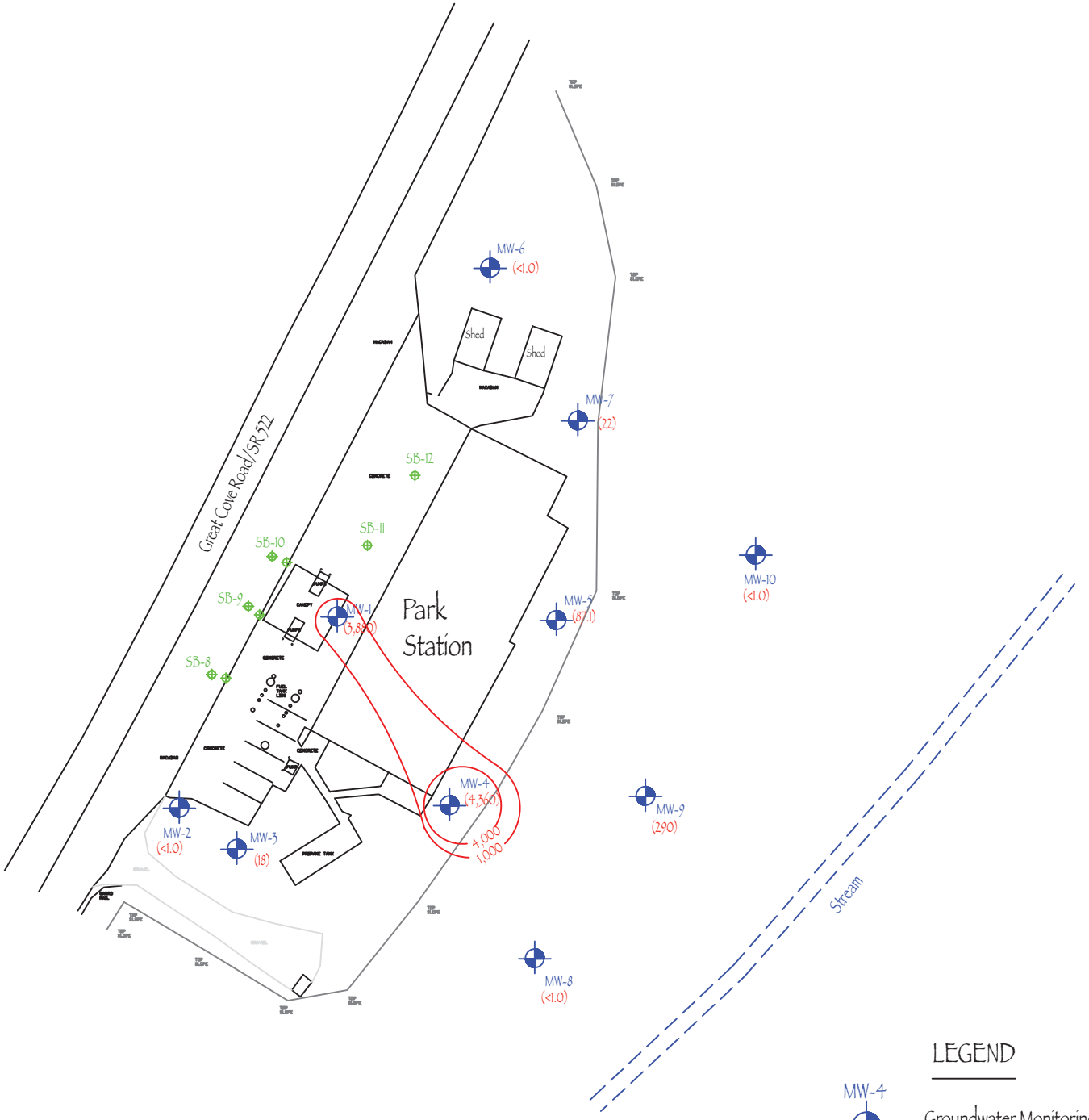
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON NAPHTHALENE - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/26/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 7F

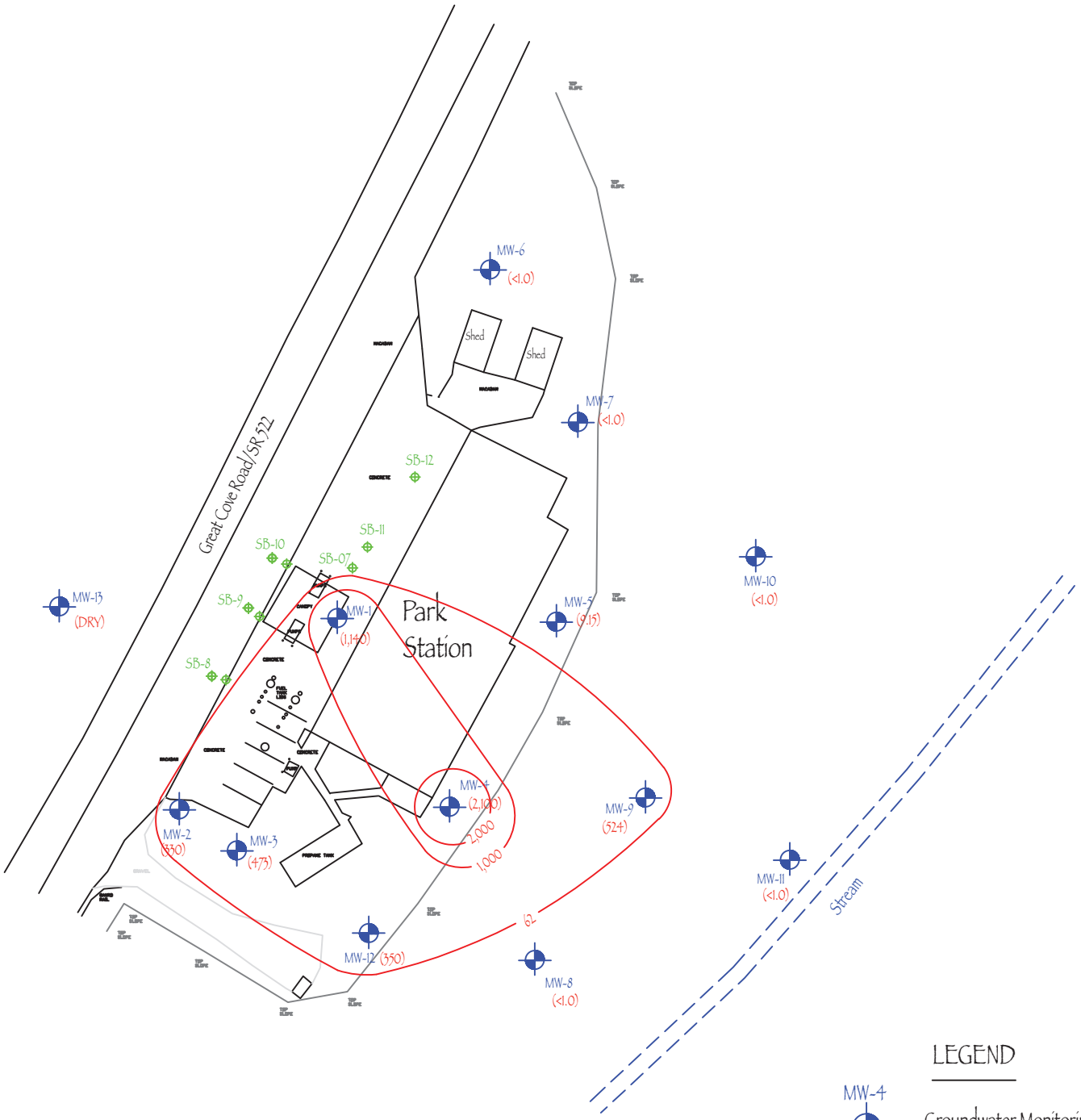
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON TOLUENE - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/27/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8A

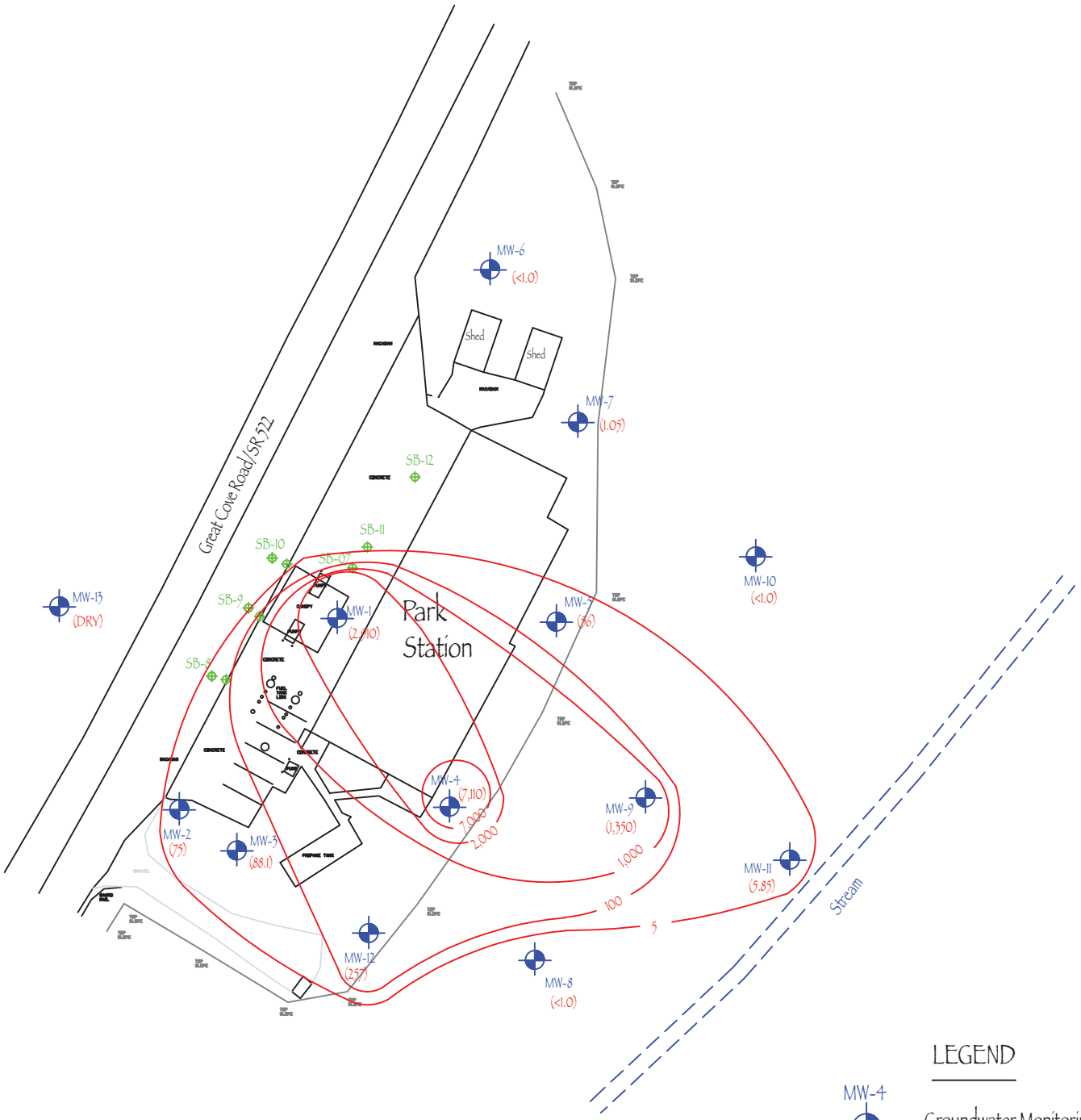
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON
1,2,4 TMB - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



LEGEND

MW-4 — Groundwater Monitoring Well

5 — Isoconcentration Lines and Groundwater Concentrations

DATE:	3/7/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8B

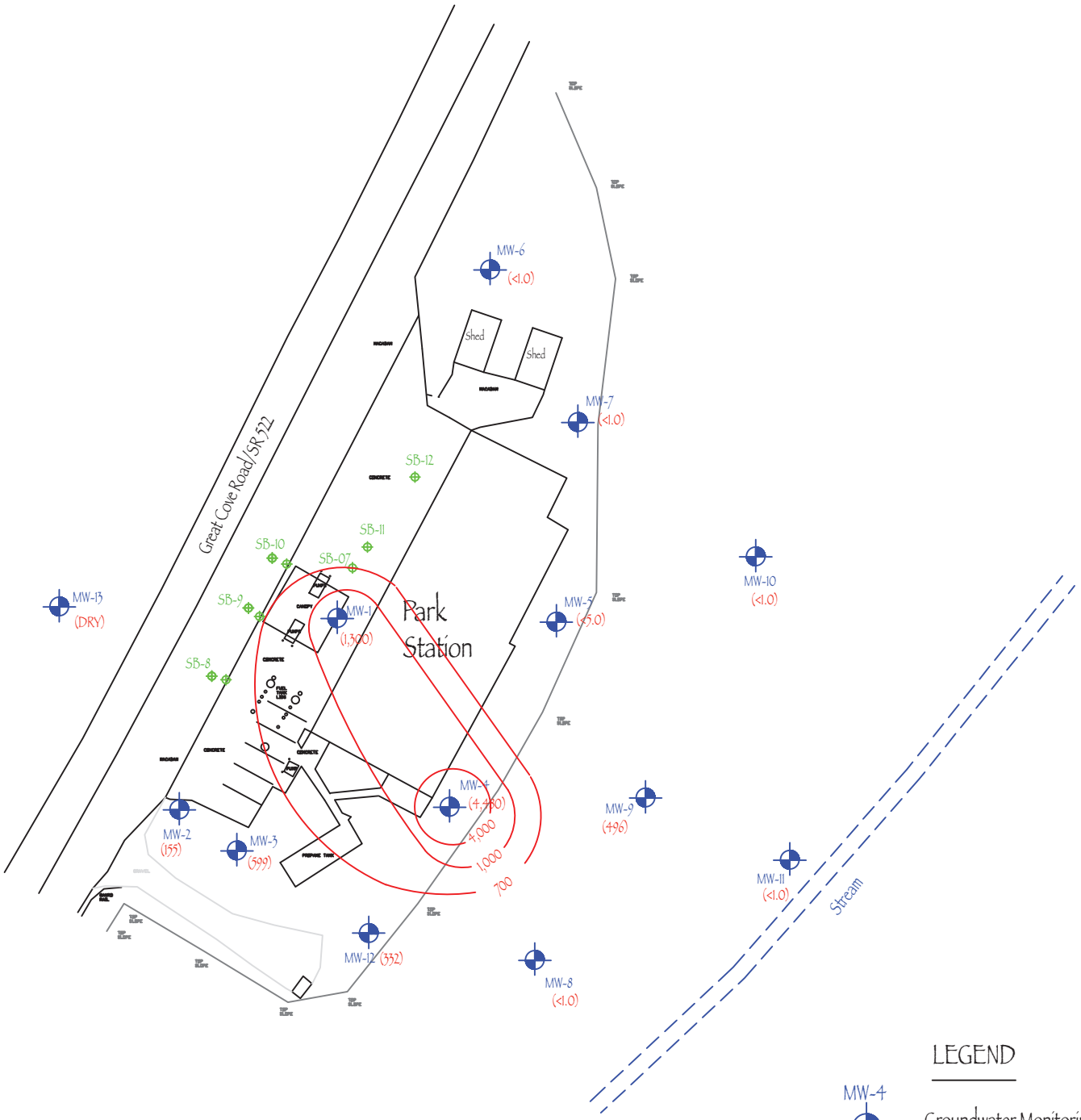
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON BENZENE - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/27/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8C

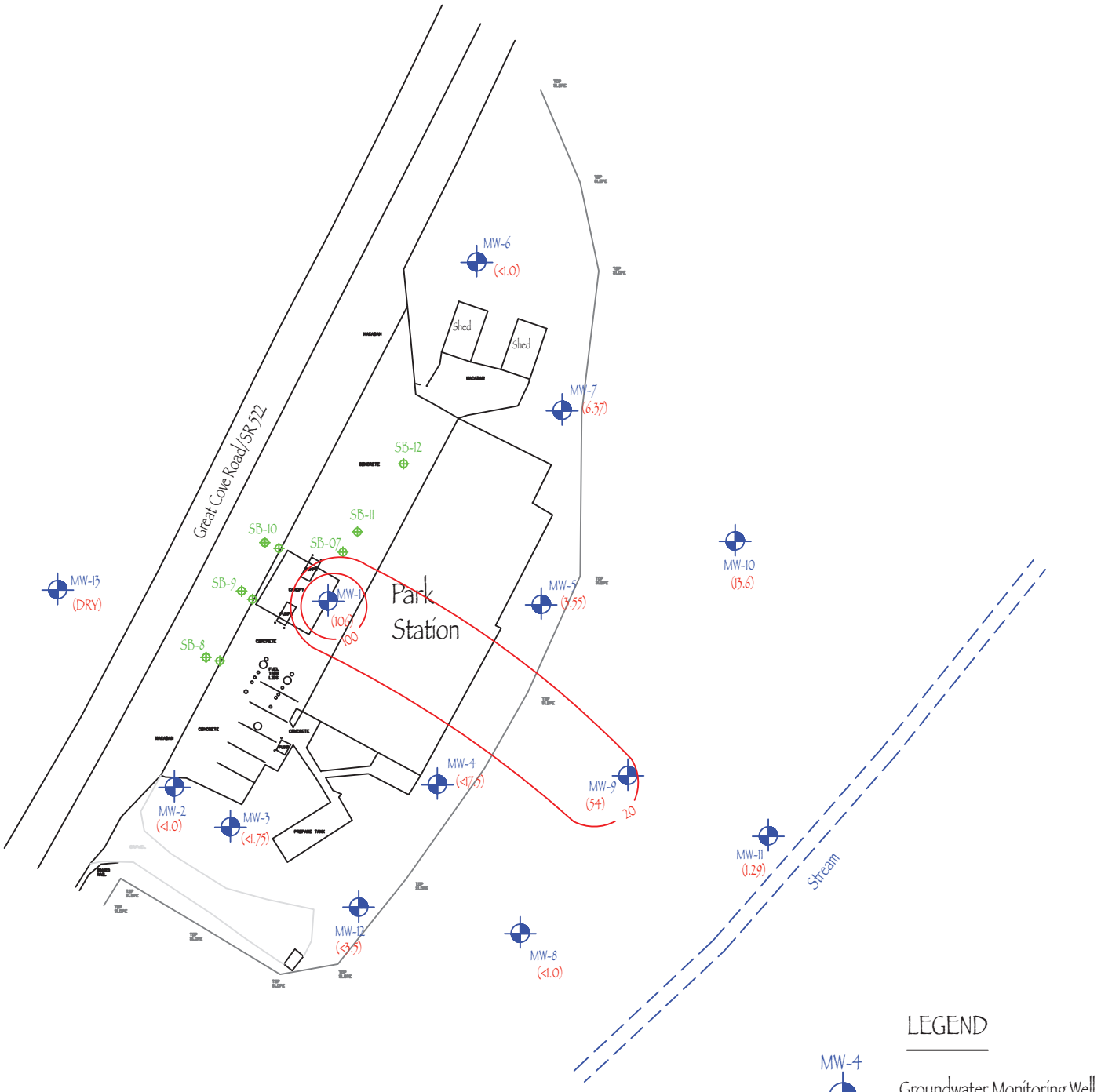
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON ETHYLBENZENE - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



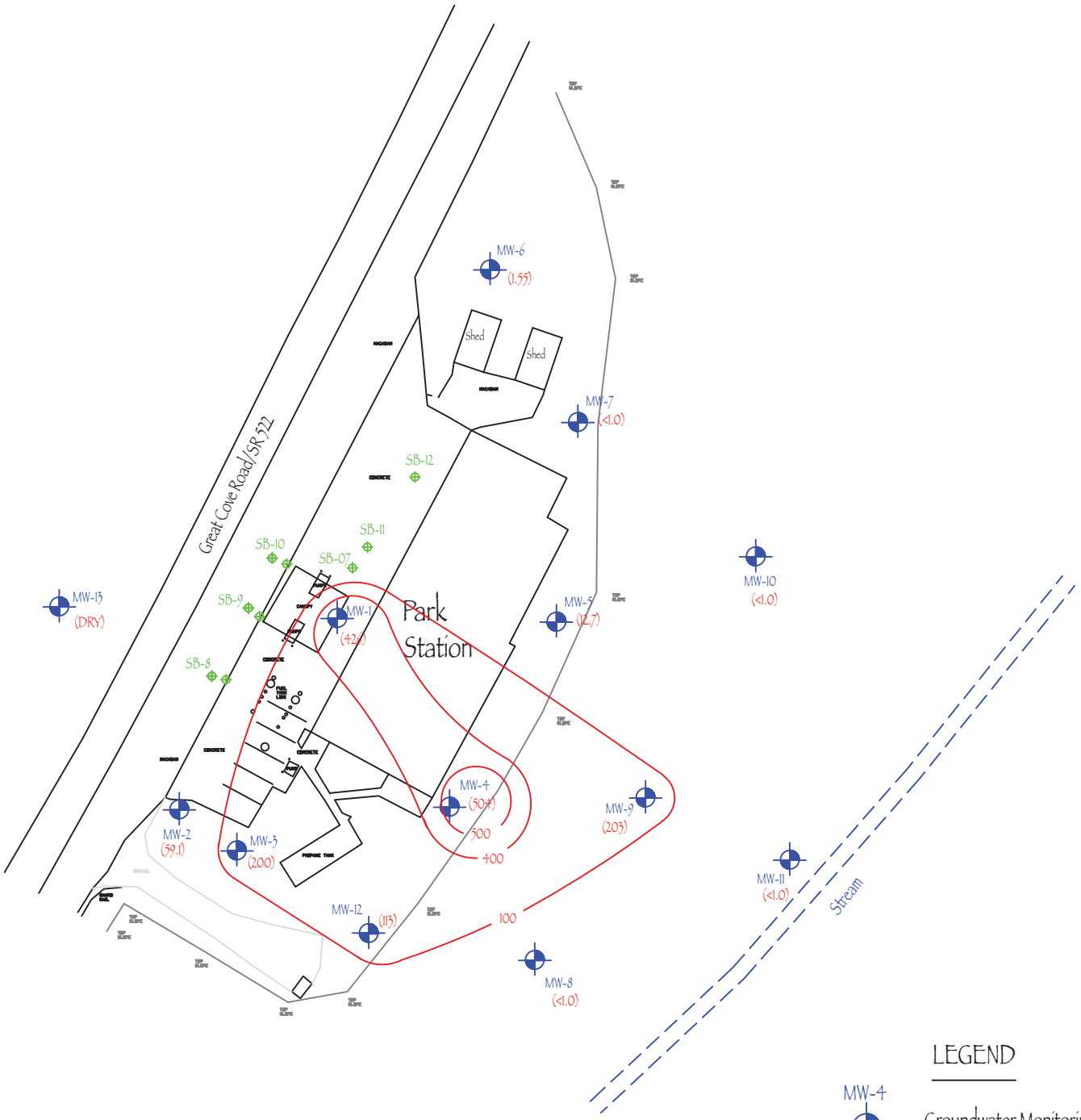
DATE:	3/27/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8D

McKee Environmental, Inc.

SITE CHARACTERIZATION
GROUNDWATER ISOCON
MTBE - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/7/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8E

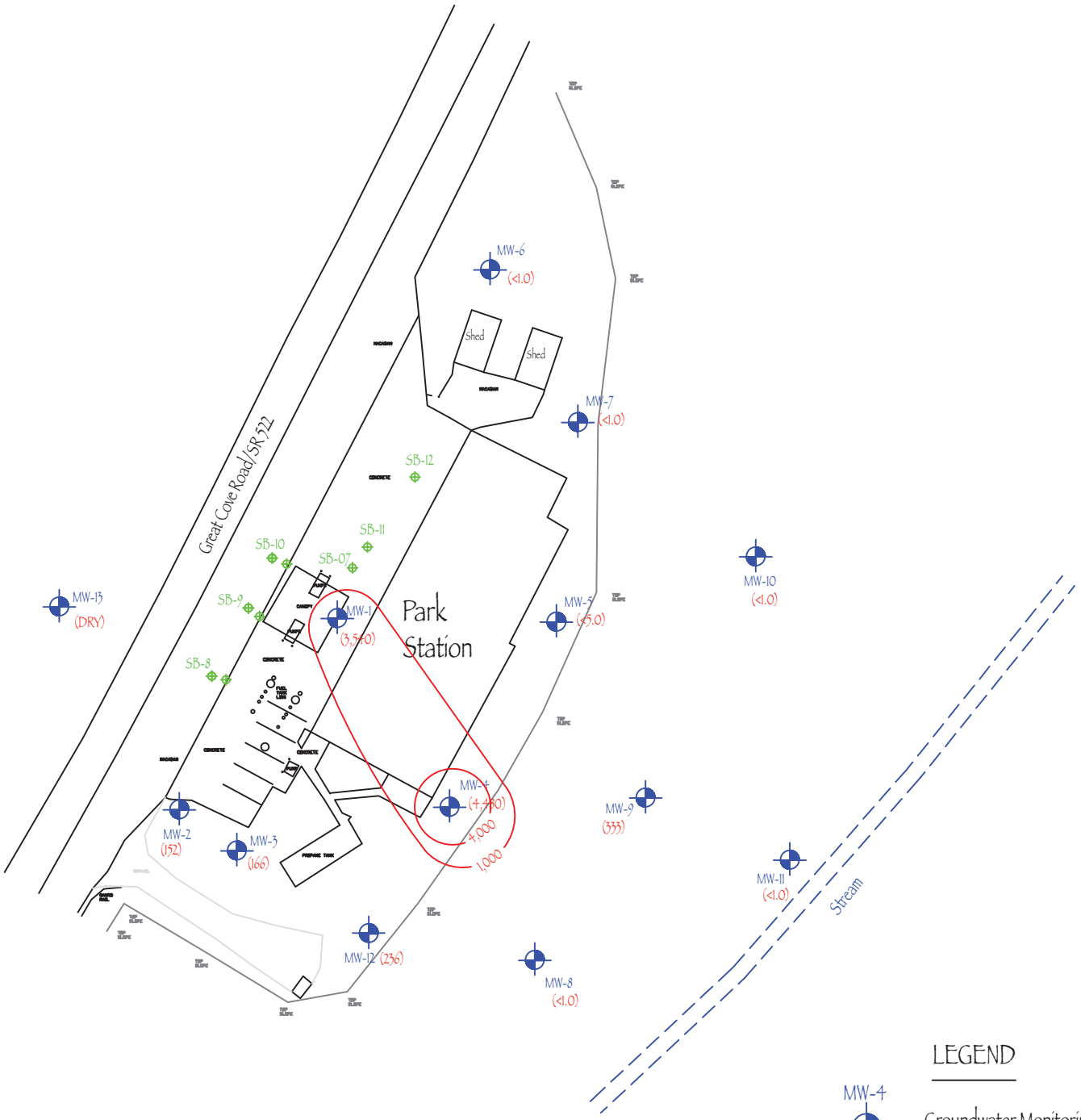
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON NAPHTHALENE - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/27/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 8F

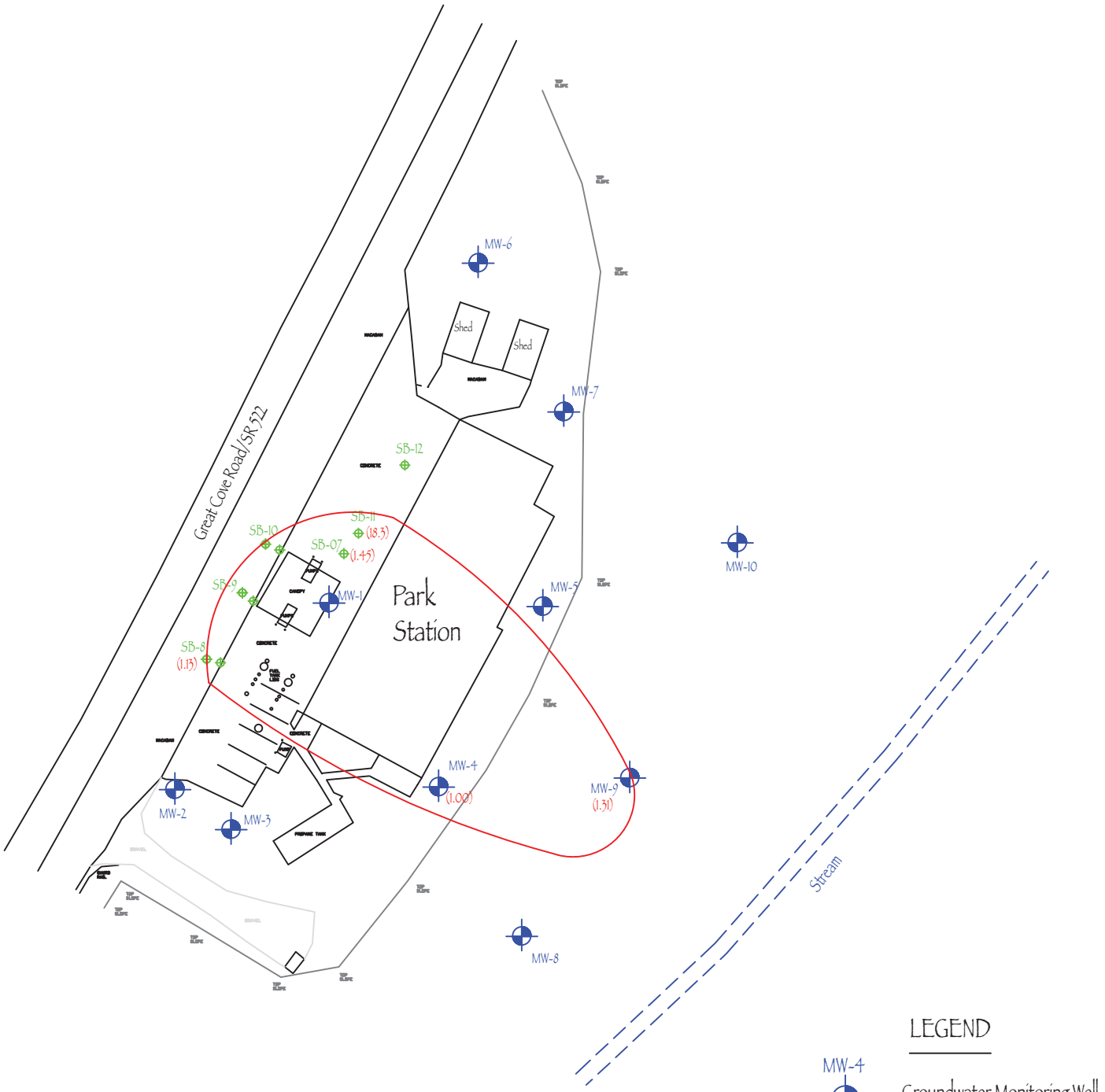
McKee Environmental, Inc.

SITE CHARACTERIZATION

GROUNDWATER ISOCON TOLUENE - MAR 2020

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126



DATE:	3/21/2020
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 9

McKee Environmental, Inc.

SITE CHARACTERIZATION

SOIL ISOCON

BENZENE - DEC 2019

PARK'S STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PA 17223-9636

86 QUARTZ DRIVE BELLEFONTE, PA 16823 (814) 380-7126

APPENDICES

Appendix A - Boring Logs and Groundwater Well Construction Figures

Appendix B - Soil and Groundwater and Vapor Analytical Reports

Appendix C - Supporting Documentation

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-01

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5	5								
10	10		Gray Soft SILT; Moist; Fuel Odor Brown Stout CLAY, Mottled, Moist, Thick			100+			
15	15		Orange Brown Silty CLAY; Moist		15	100+	X		Soil Sampled (SB-0620-01@15'). Obvious fuel odors.
					18	100+	X		Soil Sampled (SB-0620-01@18'). Obvious fuel odors.
20	20								
			Orange Brown Silty CLAY; Moist to Wet			100+			
25	25								

LEGEND

SB-0620-01 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-01

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-02

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5			Crushed ROCK-No Recovery						
10			Gray Silty Soft CLAY; Moist; Strong Fuel Odor @15' Grey/Orange Brown Silty CLAY, Moist,			100+			
15					15	100+	X		Soil Sampled (SB-0620-01@15'). Obvious fuel odors.
			Greenish/Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @18'		20	100+	X		Soil Sampled (SB-0620-02@20'). Obvious fuel odors.
20									
25									

LEGEND

SB-0620-02 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-02

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-03

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SAMPLES SOIL SAMPLE	CONCENTRATION PID (0 250 500 750 1,000)	COMMENTS
			GROUND SURFACE						
0			STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5			Crushed ROCK-No Recovery						
			Gray Silty Soft CLAY; Moist; Strong Fuel Odor @15'			100+			
10			Grey/Orange Brown Silty CLAY, Moist,						
					15	100+	X		Soil Sampled (SB-0620-01@15'). Obvious fuel odors.
15			Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @18'		20	100+	X		Soil Sampled (SB-0620-02@20'). Obvious fuel odors.
20									
25									

LEGEND

SB-0620-03 — Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-03

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-04

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5			Greyish Green/Brown Silty CLAY; Moist to Wet; Strong Fuel Odor						
10			Gray Silty Soft CLAY; Moist; Strong Fuel Odor @15' Grey/Orange Brown Silty CLAY, Moist,		10	100+	X		Soil Sampled (SB-0620-04@10'). Obvious fuel odors.
15					15	100+	X		Soil Sampled (SB-0620-04@15'). Obvious fuel odors.
20			Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @18'		20	100+	X		Soil Sampled (SB-0620-04@20'). Obvious fuel odors.
25									

LEGEND

SB-0620-04 — Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-04

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-05

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SAMPLES SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0			STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5			Brown Silty CLAY; Moist to Wet; Strong Fuel Odor						
10			Orange Brown Silty CLAY; Moist; Strong Fuel Odor @15' Grey/Orange Brown Silty CLAY, Moist,		10	100+			
15					15	100+	X		Soil Sampled (SB-0620-05@15'). Obvious fuel odors.
			Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @20'		20	100+	X		Soil Sampled (SB-0620-05@20'). Obvious fuel odors.
20									
25									

LEGEND

SB-0620-05 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-05

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-06

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry; Fuel Odor		0	100+			
5	5		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		5				
10	10		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		10	100+			
15	15				15	100+	X		Soil Sampled (SB-0620-06@15'). Obvious fuel odors.
20	20		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @18'		18	100+	X		Soil Sampled (SB-0620-06@18'). Obvious fuel odors.
25	25				20	100+	X		Soil Sampled (SB-0620-06@20'). Obvious fuel odors.

LEGEND

SB-0620-06 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-06

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-07

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry; Fuel Odor		0	100+			
5	5		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		5				
10	10		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		10	100+			Soil Sampled (SB-0620-07@10'). Obvious fuel odors.
15	15		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor		15	100+	X		Soil Sampled (SB-0620-07@15'). Obvious fuel odors.
20	20				20	100+	X		Soil Sampled (SB-0620-07@20'). Obvious fuel odors.
25	25		Orange Brown Silty CLAY Moist to Wet; Tight Strong Fuel Odor		25	100+	X		Soil Sampled (SB-0620-07@25'). Obvious fuel odors.

LEGEND

SB-0620-07 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-07

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-0620-08

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry; Fuel Odor		0	100+			
5	5		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		5				
10	10		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		10	100+			
15	15		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor		15	100+	X		Soil Sampled (SB-0620-08@15'). Obvious fuel odors.
20	20								
25	25		Orange Brown Silty CLAY Moist to Wet; Tight Strong Fuel Odor		25	100+	X		Soil Sampled (SB-0620-08@25'). Obvious fuel odors.

LEGEND

SB-0620-08 Soil Boring Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-0620-08

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-1220-08

BORING DATE: Dec 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
					4.5	0			
3			Orange Brown Silty CLAY; Dry						
6									
			Multi-colored Silty CLAY; Dry to Moist; Strong Odor at 10'		9	500	X		Soil Sampled (SB-1220-08@9'). Strong fuel odors.
9					10	500	X		Soil Sampled (SB-1220-08@10'). Strong fuel odors.
12			Soft Fill-type Material to 14'; Possible Original Orange Brown Silty CLAY; Dry to Moist; Strong Odor 12-15'						
15					15	800	X		Soil Sampled (SB-1220-08@15'). Strong fuel odors.

LEGEND

Soil Boring Location

SB-1220-08

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-1220-08

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-1220-09

BORING DATE: Dec 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID (0 250 500 750 1,000)	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
					4.5	0			
3			Orange Brown Silty CLAY; Dry						
6									
			Multi-colored Silty CLAY; Dry to Moist; Strong Odor at 10'		9	250			
9					10	250	X		Soil Sampled (SB-1220-09@10'). Strong fuel odors.
12			Soft Fill-type Material to 14'; Possible Original Orange Brown Silty CLAY; Dry to Moist; Strong Odor 12-15'						
					14	500	X		Soil Sampled (SB-1220-09@14'). Strong fuel odors.
15									

LEGEND

Soil Boring Location

SB-1220-09

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-1220-09

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

SB-1220-10

BORING DATE: Dec 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
					4.5	0			
3			Orange Brown Silty CLAY; Dry						
6									
			Multi-colored Silty CLAY; Dry to Moist; Slight Odor at 10'		9				
9					10	50	X		Soil Sampled (SB-1220-10@10'). Slight fuel odors.
12			Soft Fill-type Material to 14'; Possible Original Orange Brown Silty CLAY; Dry to Moist; Slight Odor 12-15'						
					14	50	X		Soil Sampled (SB-1220-10@14'). Slight fuel odors.
15									

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SOIL BORING: SB-1220-10

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-11

BORING DATE: Feb 14, 2020 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE						
			Orange Brown Silty CLAY; Dry		0	0			
			Dark Grey Shale at the bottom; Saturated		5	0			
5	5								
10	10								
15									

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-11

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

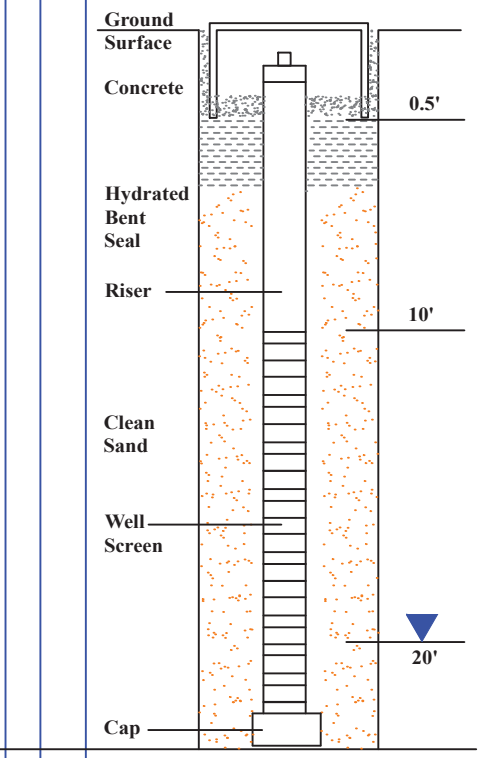
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-12

BORING DATE: Feb 14, 2020 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			
5	10				10				
			Orange Brown Silty CLAY; Moist		15	0			
10	20				20	0			
			Orange Brown Silty CLAY; Moist to Wet		23	0			
15	25								



LEGEND

MW-12 Groundwater Monitoring Well Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-12

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

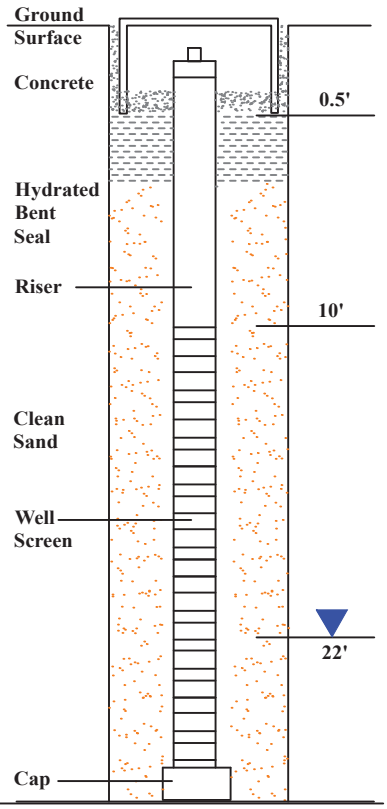
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-1

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0			STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry; Fuel Odor		0	100+			
	5		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		5				
	10		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @8'		10	100+			
	15				15	100+	X		
	20		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor						
	25		Orange Brown Silty CLAY Moist to Wet; Tight Strong Fuel Odor		25	100+	X		



End of Boring: 25 feet

LEGEND

MW-1 Groundwater Monitoring Well Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-1

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

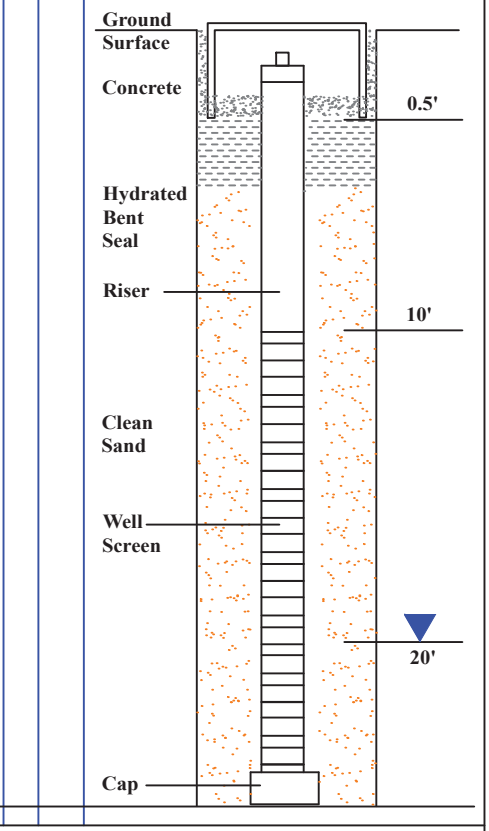
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-2

BORING DATE: June 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
			GROUND SURFACE						
0	0		STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5				
5	5								
10	10		Gray Soft SILT; Moist; Fuel Odor Brown Stout CLAY, Mottled, Moist, Thick			100+			
15	15		Orange Brown Silty CLAY; Moist		15	100+	X		
					18	100+	X		
20	20								
25	25		Orange Brown Silty CLAY; Moist to Wet			100+			



LEGEND

MW-2 — Groundwater Monitoring Well Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-2

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-3

BORING DATE: June 21, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
	0		GROUND SURFACE		0	0			Ground Surface; Concrete; 0.5'; Hydrated Bent Seal; Riser; 10'; Clean Sand; Well Screen; 20'; Cap
	5		Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			
	10								
	15		Orange Brown Silty CLAY; Moist		15	0			
	20					0			
	25		Orange Brown Silty CLAY; Moist to Wet			0			

LEGEND

MW-2 Groundwater Monitoring Well Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-3

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

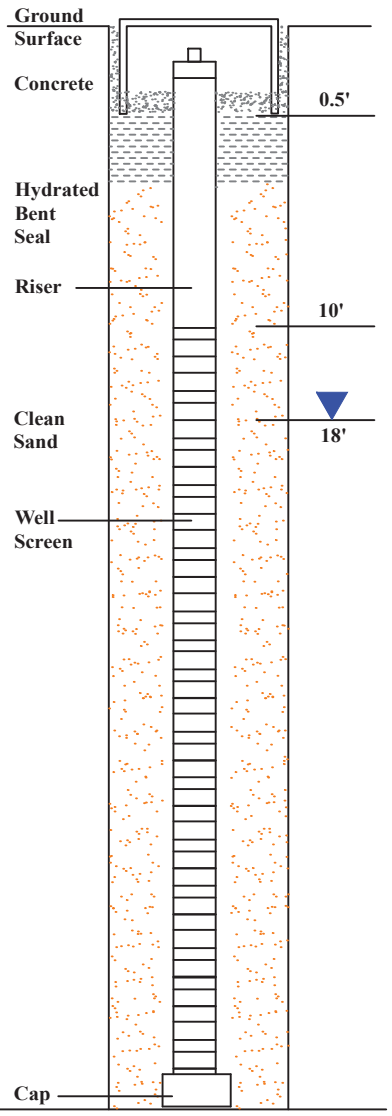
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-4

BORING DATE: June 21, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			Ground Surface
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			Concrete 0.5'
5									Hydrated Bent Seal
									Riser
10									10'
									Clean Sand
									18'
15			Orange Brown Silty CLAY; Moist		15	0			Well Screen
20						0			
			Orange Brown Silty CLAY; Moist to Wet						
25						0			
30									
35									Cap



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-4

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

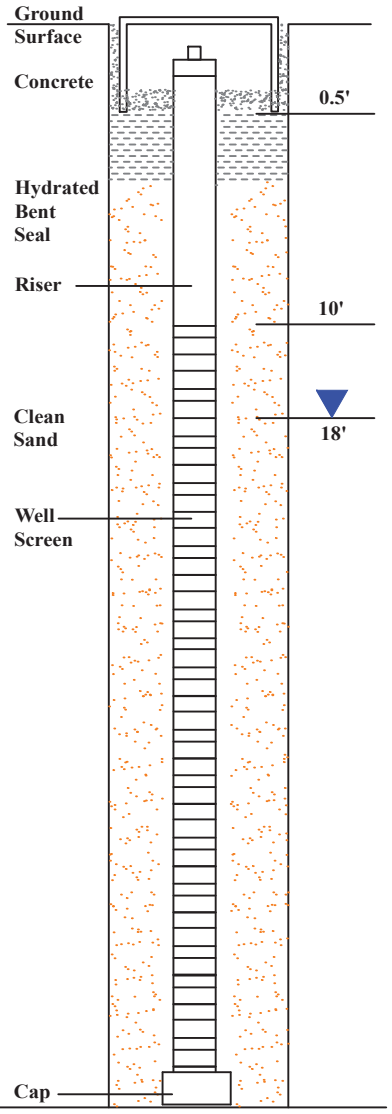
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-5

BORING DATE: June 21, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			Ground Surface
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			Concrete 0.5'
5									Hydrated Bent Seal
									Riser
10									10'
									Clean Sand
									18'
15			Orange Brown Silty CLAY; Moist		15	0			Well Screen
20						0			
			Orange Brown Silty CLAY; Moist to Wet			0			
25									
30									
35									Cap



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-5

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

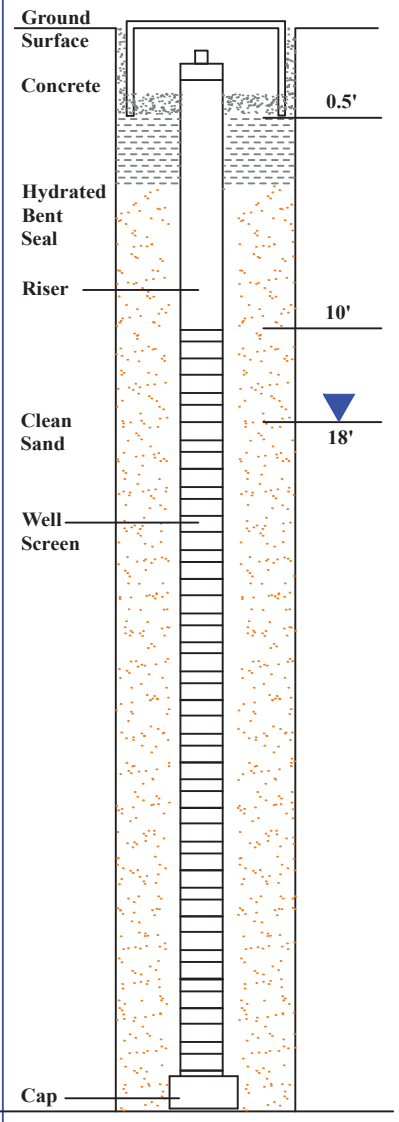
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-6

BORING DATE: June 21, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			Ground Surface
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			Concrete 0.5'
5									Hydrated Bent Seal
									Riser 10'
10									Clean Sand 18'
15			Orange Brown Silty CLAY; Moist		15	0			Well Screen
20						0			
25			Orange Brown Silty CLAY; Moist to Wet			0			
30									
35									Cap



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-6

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

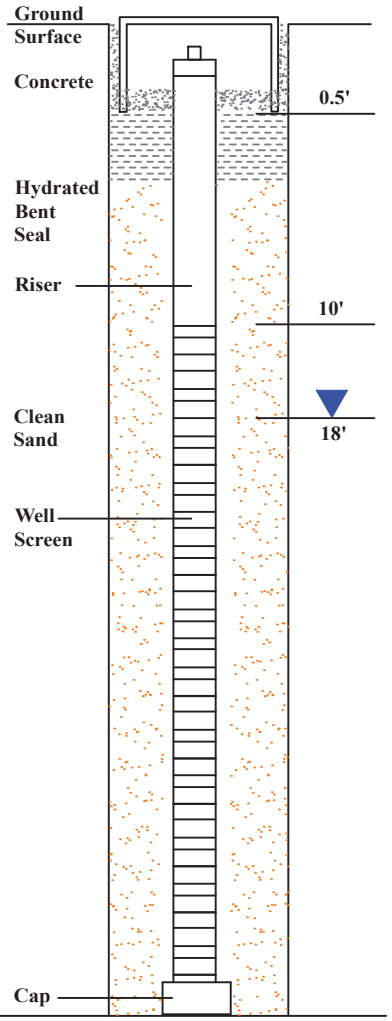
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-7

BORING DATE: June 21, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			Ground Surface; Concrete 0.5'; Hydrated Bent Seal; Riser 10'; Clean Sand 18'; Well Screen; Cap
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			
5									
10									
15			Orange Brown Silty CLAY; Moist		15	0			
20						0			
25			Orange Brown Silty CLAY; Moist to Wet			0			
30									
35									



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-7

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

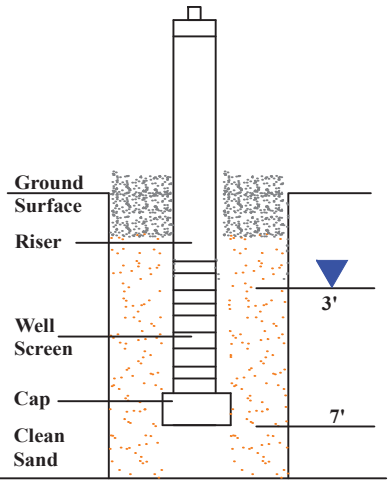
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-8

BORING DATE: December 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			
			Orange Brown Silty CLAY; Dry		5	0			
5			Dark Grey Shale at the bottom; Saturated						
10									
15									



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-8

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

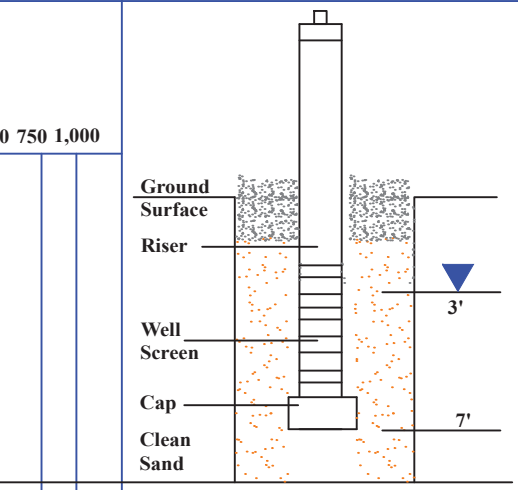
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-9

BORING DATE: December 20, 2019 **DATUM:** GROUND SURFACE

SCALE (METERS / FEET)	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES: PID	SOIL SAMPLE	CONCENTRATION: PID (0, 250, 500, 750, 1,000)	COMMENTS
0 / 0		GROUND SURFACE		0	0			
		Orange Brown Silty CLAY; Dry		5	0			
5 /		Dark Grey Shale at the bottom; Saturated; STRONG ODORS		9	250+			
10 /								
15 /								



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-9

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

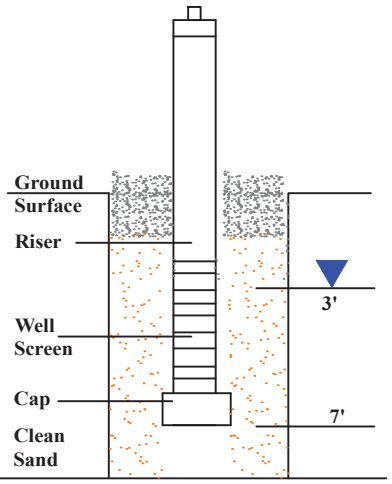
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-10

BORING DATE: December 20, 2019 **DATUM:** GROUND SURFACE

SCALE		BORING METHOD	SOIL PROFILE			SAMPLES				CONCENTRATION	COMMENTS
METERS	FEET		DESCRIPTION	STRATA	DEPTH B.G.S.FT	PID	SOIL SAMPLE			PID 0 250 500 750 1,000	
0			GROUND SURFACE								
			Orange Brown Silty CLAY; Dry		0	0					
5					5	0					
			Dark Grey Shale at the bottom; Saturated								
10											
15											



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-10

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-11

BORING DATE: Feb 14, 2020 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE						
			Orange Brown Silty CLAY; Dry		0	0			
			Dark Grey Shale at the bottom; Saturated		5	0			
5	5								
10	10								
15									

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-11

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

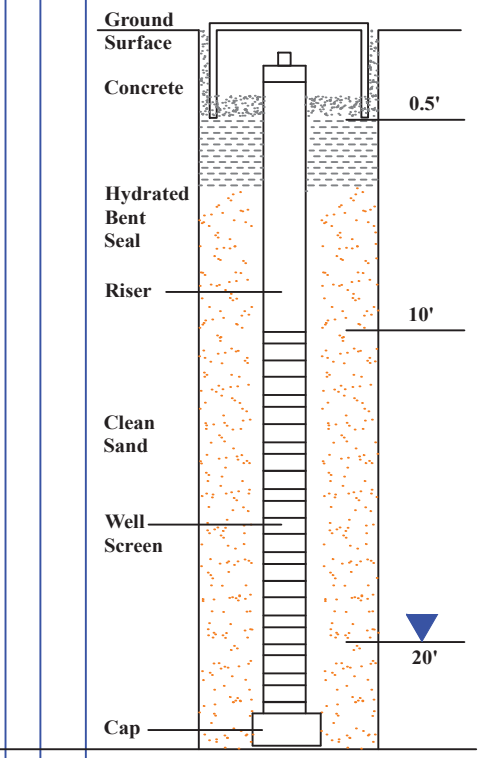
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-12

BORING DATE: Feb 14, 2020 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
0	0		GROUND SURFACE		0	0			
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5	0			
5	10				10				
			Orange Brown Silty CLAY; Moist		15	0			
10	20				20	0			
			Orange Brown Silty CLAY; Moist to Wet		23	0			
15	25								



LEGEND

MW-12 Groundwater Monitoring Well Location

BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-12

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

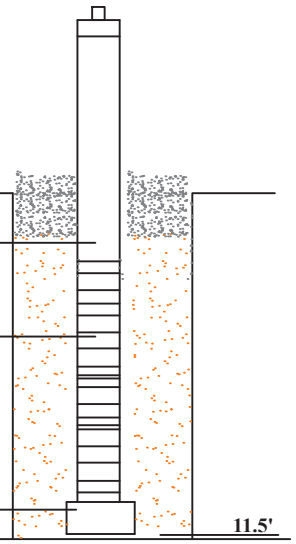
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

MW-13

BORING DATE: December 20, 2019 **DATUM:** GROUND SURFACE

SCALE METERS	SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	STRATA	DEPTH B.G.S.FT	SAMPLES PID	SOIL SAMPLE	CONCENTRATION PID 0 250 500 750 1,000	COMMENTS
	0		GROUND SURFACE		0	0			
	5		Orange Brown Silty CLAY; Dry		5	0			
	10		Dark Grey Shale at the bottom		11.5	0			
	15								



BORING LOGS

FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

GW CONSTRUCTION LOG: MW-13

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

2019 Ninth Avenue
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(814) 946-4306
NELAP: PA 07-062, VA 460212

89 Kristi Road
Pennsdale, PA 17756
(570) 546-8899
PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
SB-0620-01@15'	9F25028-01	Solid	Grab	06/20/19 09:00	06/24/19 19:10
SB-0620-01@18'	9F25028-02	Solid	Grab	06/20/19 09:10	06/24/19 19:10
SB-0620-02@15'	9F25028-03	Solid	Grab	06/20/19 09:30	06/24/19 19:10
SB-0620-02@20'	9F25028-04	Solid	Grab	06/20/19 09:40	06/24/19 19:10
SB-0620-03@15'	9F25028-05	Solid	Grab	06/20/19 10:00	06/24/19 19:10
SB-0620-04@15'	9F25028-06	Solid	Grab	06/20/19 10:30	06/24/19 19:10
SB-0620-04@10'	9F25028-07	Solid	Grab	06/20/19 10:40	06/24/19 19:10
SB-0620-04@20'	9F25028-08	Solid	Grab	06/20/19 10:50	06/24/19 19:10
SB-0620-05@15'	9F25028-09	Solid	Grab	06/20/19 11:15	06/24/19 19:10
SB-0620-05@20'	9F25028-10	Solid	Grab	06/20/19 11:30	06/24/19 19:10
SB-0620-06@15'	9F25028-11	Solid	Grab	06/20/19 11:45	06/24/19 19:10
SB-0620-06@18'	9F25028-12	Solid	Grab	06/20/19 12:00	06/24/19 19:10
SB-0620-06@20'	9F25028-13	Solid	Grab	06/20/19 12:10	06/24/19 19:10
SB-0620-07@15'	9F25028-14	Solid	Grab	06/20/19 12:30	06/24/19 19:10
SB-0620-07@10'	9F25028-15	Solid	Grab	06/20/19 12:40	06/24/19 19:10
SB-0620-07@15'	9F25028-16	Solid	Grab	06/20/19 12:50	06/24/19 19:10
SB-0620-07@20'	9F25028-17	Solid	Grab	06/20/19 13:00	06/24/19 19:10
SB-0620-07@25'	9F25028-18	Solid	Grab	06/20/19 13:10	06/24/19 19:10
SB-0620-08@15'	9F25028-19	Solid	Grab	06/20/19 13:30	06/24/19 19:10
SB-0620-08@25'	9F25028-20	Solid	Grab	06/20/19 13:40	06/24/19 19:10
MW-4@25'	9F25028-21	Solid	Grab	06/21/19 10:00	06/24/19 19:10
MW-4@35'	9F25028-22	Solid	Grab	06/21/19 10:15	06/24/19 19:10
MW-5@35'	9F25028-23	Solid	Grab	06/21/19 10:25	06/24/19 19:10

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2019 Ninth Avenue
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89 Kristi Road
Pennsdale, PA 17756
(570) 546-8899
PaDEP: PA 41-04684

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Refer to receiving document. CB

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-01@15'** **Date/Time Sampled:** 06/20/19 09:00

Laboratory Sample ID: **9F25028-01 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.8		0.100	%	06/25/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Benzene	0.0043		0.0017	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Toluene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Ethylbenzene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Xylenes (total)	<0.0084		0.0084	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Isopropylbenzene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Naphthalene	<0.0042		0.0042	mg/kg dry	06/27/19 15:39	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		*06/27/19 15:39*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*		*06/27/19 15:39*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*102 %*	*70-130*		*06/27/19 15:39*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-01@18'** **Date/Time Sampled:** 06/20/19 09:10

Laboratory Sample ID: **9F25028-02 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.7		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	
1,2,4-Trimethylbenzene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	K
Benzene	<0.0017		0.0017	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	K
Toluene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	K
Ethylbenzene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	
Xylenes (total)	<0.0085		0.0085	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	K
Isopropylbenzene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	
Methyl tert-butyl ether	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	
Naphthalene	<0.0042		0.0042	mg/kg dry	06/26/19 22:01	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/26/19 22:01*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*		*06/26/19 22:01*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*102 %*	*70-130*		*06/26/19 22:01*	*EPA 8260B*	bag	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-02@15'** **Date/Time Sampled:** 06/20/19 09:30

Laboratory Sample ID: **9F25028-03 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	80.6		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	1.98		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
1,2,4-Trimethylbenzene	3.49		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Benzene	<0.185		0.185	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Toluene	<0.461		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Ethylbenzene	7.21		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Xylenes (total)	1.05		0.923	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Isopropylbenzene	1.21		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Methyl tert-butyl ether	<0.461		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Naphthalene	2.90		0.461	mg/kg dry	06/26/19 17:29	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*06/26/19 17:29*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*06/26/19 17:29*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*06/26/19 17:29*	*EPA 8260B*	bag	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-02@20'** **Date/Time Sampled:** 06/20/19 09:40

Laboratory Sample ID: **9F25028-04 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	86.1		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	0.525		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
1,2,4-Trimethylbenzene	2.45		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Benzene	<0.143		0.143	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Toluene	<0.358		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Ethylbenzene	0.775		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Xylenes (total)	0.715		0.715	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Isopropylbenzene	<0.358		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Methyl tert-butyl ether	<0.358		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Naphthalene	0.710		0.358	mg/kg dry	06/26/19 18:08	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/26/19 18:08*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*06/26/19 18:08*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*06/26/19 18:08*	*EPA 8260B*	bag	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-03@15'** **Date/Time Sampled:** 06/20/19 10:00

Laboratory Sample ID: **9F25028-05 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.4		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.0050		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
1,2,4-Trimethylbenzene	<0.0050		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Benzene	<0.0020		0.0020	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Toluene	<0.0050		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Ethylbenzene	0.0326		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Xylenes (total)	<0.0101		0.0101	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Isopropylbenzene	<0.0050		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Methyl tert-butyl ether	<0.0050		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Naphthalene	0.0119		0.0050	mg/kg dry	06/26/19 23:19	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*110 %*	*70-130*		*06/26/19 23:19*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*70-130*		*06/26/19 23:19*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*103 %*	*70-130*		*06/26/19 23:19*	*EPA 8260B*	bag	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-04@15'** **Date/Time Sampled:** 06/20/19 10:30

Laboratory Sample ID: **9F25028-06 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	80.3		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	2.43		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	7.89		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Benzene	<0.211		0.211	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Toluene	<0.529		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Ethylbenzene	2.55		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Xylenes (total)	3.66		1.06	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Isopropylbenzene	<0.529		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.529		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Naphthalene	1.29		0.529	mg/kg dry	06/27/19 04:30	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*107 %*	*70-130*		*06/27/19 04:30*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*70-130*		*06/27/19 04:30*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/27/19 04:30*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-04@10'** **Date/Time Sampled:** 06/20/19 10:40

Laboratory Sample ID: **9F25028-07 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.9		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	5.71		0.422	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	92.2		4.22	mg/kg dry	06/27/19 18:15	EPA 8260B	mtc	
Benzene	<0.169		0.169	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
Toluene	<0.422		0.422	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
Ethylbenzene	28.1		4.22	mg/kg dry	06/27/19 18:15	EPA 8260B	mtc	
Xylenes (total)	6.27		0.845	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
Isopropylbenzene	2.95		0.422	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.422		0.422	mg/kg dry	06/27/19 05:10	EPA 8260B	mtc	
Naphthalene	13.3		4.22	mg/kg dry	06/27/19 18:15	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*115 %*	*70-130*		*06/27/19 05:10*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*06/27/19 05:10*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*104 %*	*70-130*		*06/27/19 05:10*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-04@20'** **Date/Time Sampled:** 06/20/19 10:50

Laboratory Sample ID: **9F25028-08 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.5		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	2.15		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	6.50		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Benzene	0.431		0.152	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Toluene	0.525		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Ethylbenzene	1.86		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Xylenes (total)	9.87		0.762	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Isopropylbenzene	<0.381		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.381		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Naphthalene	1.40		0.381	mg/kg dry	06/27/19 05:49	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*06/27/19 05:49*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*70-130*		*06/27/19 05:49*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/27/19 05:49*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-05@15'** **Date/Time Sampled:** 06/20/19 11:15

Laboratory Sample ID: **9F25028-09 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.4		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	2.06		0.476	mg/kg dry	06/27/19 19:33	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	6.32		0.476	mg/kg dry	06/27/19 19:33	EPA 8260B	mtc	
Ethylbenzene	2.43		0.476	mg/kg dry	06/27/19 19:33	EPA 8260B	mtc	
Xylenes (total)	9.23		0.953	mg/kg dry	06/27/19 19:33	EPA 8260B	mtc	
Naphthalene	1.43		0.476	mg/kg dry	06/27/19 19:33	EPA 8260B	mtc	
Benzene	0.0794		0.0016	mg/kg dry	06/27/19 08:25	EPA 8260B	mtc	
Toluene	0.111		0.0041	mg/kg dry	06/27/19 08:25	EPA 8260B	mtc	
Isopropylbenzene	0.0353		0.0041	mg/kg dry	06/27/19 08:25	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0041		0.0041	mg/kg dry	06/27/19 08:25	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*113 %*	*70-130*		*06/27/19 08:25*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*06/27/19 08:25*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*06/27/19 08:25*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-05@20'** **Date/Time Sampled:** 06/20/19 11:30

Laboratory Sample ID: **9F25028-10 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.5		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	5.87		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	21.3		2.38	mg/kg dry	06/27/19 18:54	EPA 8260B	mtc	
Benzene	0.280		0.191	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Toluene	2.41		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Ethylbenzene	5.93		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Xylenes (total)	31.3		0.954	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Isopropylbenzene	0.887		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.477		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Naphthalene	4.37		0.477	mg/kg dry	06/27/19 06:28	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		*06/27/19 06:28*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		*06/27/19 06:28*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*06/27/19 06:28*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-06@15'** **Date/Time Sampled:** 06/20/19 11:45

Laboratory Sample ID: **9F25028-11 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	85.2		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	0.0124		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	0.0313		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Benzene	0.0051		0.0014	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Toluene	<0.0036		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Ethylbenzene	0.0288		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Xylenes (total)	0.0742		0.0072	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Isopropylbenzene	<0.0036		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0036		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Naphthalene	0.0607		0.0036	mg/kg dry	06/27/19 09:04	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/27/19 09:04*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*		*06/27/19 09:04*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/27/19 09:04*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-06@18'** **Date/Time Sampled:** 06/20/19 12:00

Laboratory Sample ID: **9F25028-12 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	84.1		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	2.11		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	5.90		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Benzene	<0.143		0.143	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Toluene	<0.358		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Ethylbenzene	1.05		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Xylenes (total)	4.66		0.716	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Isopropylbenzene	<0.358		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.358		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Naphthalene	1.27		0.358	mg/kg dry	06/27/19 07:46	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*107 %*	*70-130*		*06/27/19 07:46*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*06/27/19 07:46*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*06/27/19 07:46*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-06@20'** **Date/Time Sampled:** 06/20/19 12:10

Laboratory Sample ID: **9F25028-13 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.8		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.0053		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	0.0059		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Benzene	0.0092		0.0021	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Toluene	<0.0053		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Ethylbenzene	0.0065		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Xylenes (total)	0.0271		0.0106	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Isopropylbenzene	<0.0053		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0053		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Naphthalene	0.0083		0.0053	mg/kg dry	06/27/19 09:43	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*108 %*	*70-130*		*06/27/19 09:43*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*		*06/27/19 09:43*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/27/19 09:43*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-07@15'** **Date/Time Sampled:** 06/20/19 12:30

Laboratory Sample ID: **9F25028-14 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.2		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	23.1		3.67	mg/kg dry	06/28/19 20:23	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	72.1		3.67	mg/kg dry	06/28/19 20:23	EPA 8260B	mtc	
Benzene	<0.147		0.147	mg/kg dry	06/28/19 04:38	EPA 8260B	mtc	
Toluene	4.64		0.367	mg/kg dry	06/28/19 04:38	EPA 8260B	mtc	
Ethylbenzene	26.6		3.67	mg/kg dry	06/28/19 20:23	EPA 8260B	mtc	
Xylenes (total)	130		7.34	mg/kg dry	06/28/19 20:23	EPA 8260B	mtc	
Isopropylbenzene	3.54		0.367	mg/kg dry	06/28/19 04:38	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.367		0.367	mg/kg dry	06/28/19 04:38	EPA 8260B	mtc	
Naphthalene	20.1		3.67	mg/kg dry	06/28/19 20:23	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*120 %*	*70-130*		*06/28/19 04:38*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		*06/28/19 04:38*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*103 %*	*70-130*		*06/28/19 04:38*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-07@10'** **Date/Time Sampled:** 06/20/19 12:40

Laboratory Sample ID: **9F25028-15 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.6		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	20.8		4.38	mg/kg dry	06/28/19 21:02	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	63.6		4.38	mg/kg dry	06/28/19 21:02	EPA 8260B	mtc	
Benzene	1.45		0.175	mg/kg dry	06/28/19 05:17	EPA 8260B	mtc	
Toluene	2.33		0.438	mg/kg dry	06/28/19 05:17	EPA 8260B	mtc	
Ethylbenzene	22.0		4.38	mg/kg dry	06/28/19 21:02	EPA 8260B	mtc	
Xylenes (total)	118		8.75	mg/kg dry	06/28/19 21:02	EPA 8260B	mtc	
Isopropylbenzene	3.15		0.438	mg/kg dry	06/28/19 05:17	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.438		0.438	mg/kg dry	06/28/19 05:17	EPA 8260B	mtc	
Naphthalene	20.6		4.38	mg/kg dry	06/28/19 21:02	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*117 %*	*70-130*		*06/28/19 05:17*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*70-130*		*06/28/19 05:17*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*06/28/19 05:17*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-07@15'** **Date/Time Sampled:** 06/20/19 12:50

Laboratory Sample ID: **9F25028-16 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	80.7		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	0.0160		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	0.0593		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Benzene	0.125		0.0022	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Toluene	0.0265		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Ethylbenzene	0.0444		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Xylenes (total)	0.174		0.0111	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Isopropylbenzene	<0.0055		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Methyl tert-butyl ether	0.0062		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Naphthalene	0.0524		0.0055	mg/kg dry	06/27/19 10:10	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*112 %*	*70-130*		*06/27/19 10:10*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*06/27/19 10:10*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*06/27/19 10:10*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-07@20'** **Date/Time Sampled:** 06/20/19 13:00

Laboratory Sample ID: **9F25028-17 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.5		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	8.88		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	26.3		2.30	mg/kg dry	06/28/19 19:44	EPA 8260B	mtc	
Benzene	0.442		0.184	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Toluene	<0.461		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Ethylbenzene	7.20		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Xylenes (total)	23.7		0.921	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Isopropylbenzene	1.40		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.461		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Naphthalene	5.35		0.461	mg/kg dry	06/28/19 05:56	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*117 %*	*70-130*		*06/28/19 05:56*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*70-130*		*06/28/19 05:56*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*06/28/19 05:56*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-07@25'** **Date/Time Sampled:** 06/20/19 13:10

Laboratory Sample ID: **9F25028-18 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.1		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Benzene	<0.178		0.178	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Toluene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Ethylbenzene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Xylenes (total)	<0.889		0.889	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Isopropylbenzene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Naphthalene	<0.444		0.444	mg/kg dry	06/28/19 06:35	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*107 %*	*70-130*		*06/28/19 06:35*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*70-130*		*06/28/19 06:35*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*95 %*	*70-130*		*06/28/19 06:35*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-08@15'** **Date/Time Sampled:** 06/20/19 13:30

Laboratory Sample ID: **9F25028-19 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.5		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.567		0.567	mg/kg dry	06/27/19 20:12	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.567		0.567	mg/kg dry	06/27/19 20:12	EPA 8260B	mtc	
Ethylbenzene	<0.567		0.567	mg/kg dry	06/27/19 20:12	EPA 8260B	mtc	
Xylenes (total)	<1.13		1.13	mg/kg dry	06/27/19 20:12	EPA 8260B	mtc	
Naphthalene	<0.567		0.567	mg/kg dry	06/27/19 20:12	EPA 8260B	mtc	
Benzene	0.0323		0.0016	mg/kg dry	06/27/19 10:36	EPA 8260B	mtc	K
Toluene	0.0061		0.0041	mg/kg dry	06/27/19 10:36	EPA 8260B	mtc	
Isopropylbenzene	0.0219		0.0041	mg/kg dry	06/27/19 10:36	EPA 8260B	mtc	K
Methyl tert-butyl ether	<0.0041		0.0041	mg/kg dry	06/27/19 10:36	EPA 8260B	mtc	K
Surrogate: 4-Bromofluorobenzene		*119 %*	*70-130*		*06/27/19 10:36*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*		*06/27/19 10:36*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*06/27/19 10:36*	*EPA 8260B*	mtc	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Altoona, PA 16603
(814) 946-4306
NELAP: PA 07-062, VA 460212

89 Kristi Road
Pennsdale, PA 17756
(570) 546-8899
PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Client Sample ID: **SB-0620-08@25'** **Date/Time Sampled:** 06/20/19 13:40

Laboratory Sample ID: **9F25028-20 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	80.7		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
Benzene	0.426		0.192	mg/kg dry	06/28/19 17:47	EPA 8260B	mtc	
Toluene	0.676		0.481	mg/kg dry	06/28/19 17:47	EPA 8260B	mtc	
1,3,5-Trimethylbenzene	0.0130		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	0.0290		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
Ethylbenzene	0.0573		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
Xylenes (total)	0.295		0.0101	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	H
Isopropylbenzene	<0.0050		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
Methyl tert-butyl ether	0.0112		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
Naphthalene	0.0234		0.0050	mg/kg dry	06/27/19 11:30	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/27/19 11:30*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*		*06/27/19 11:30*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/27/19 11:30*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **MW-4@25'** **Date/Time Sampled:** 06/21/19 10:00

Laboratory Sample ID: **9F25028-21 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.4		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	7.88		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	26.9		2.12	mg/kg dry	07/01/19 16:20	EPA 8260B	mtc	
Benzene	0.550		0.170	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Toluene	2.88		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Ethylbenzene	7.00		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Xylenes (total)	42.3		4.24	mg/kg dry	07/01/19 16:20	EPA 8260B	mtc	
Isopropylbenzene	1.07		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.424		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Naphthalene	4.28		0.424	mg/kg dry	06/28/19 18:26	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		*06/28/19 18:26*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*70-130*		*06/28/19 18:26*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*97 %*	*70-130*		*06/28/19 18:26*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **MW-4@35'** **Date/Time Sampled:** 06/21/19 10:15

Laboratory Sample ID: **9F25028-22 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	77.0		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	1.24		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	3.57		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Benzene	1.00		0.166	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Toluene	1.39		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Ethylbenzene	1.79		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Xylenes (total)	8.65		0.830	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Isopropylbenzene	<0.415		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.415		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Naphthalene	0.605		0.415	mg/kg dry	06/28/19 19:05	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/28/19 19:05*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*70-130*		*06/28/19 19:05*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*06/28/19 19:05*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Client Sample ID: **MW-5@35'** **Date/Time Sampled:** 06/21/19 10:25

Laboratory Sample ID: **9F25028-23 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.2		0.100	%	06/26/19 18:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I4
1,3,5-Trimethylbenzene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Benzene	0.0029		0.0026	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Toluene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Ethylbenzene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Xylenes (total)	<0.0128		0.0128	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Isopropylbenzene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Naphthalene	<0.0064		0.0064	mg/kg dry	06/27/19 21:29	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-130*		*06/27/19 21:29*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*		*06/27/19 21:29*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*06/27/19 21:29*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION
86 Quartz Drive		Project Number:	[none]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	89

Reported: 07/09/19 13:23

Notes

H	The spike recovery was above the acceptance range for the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.
I4	Vials were prepared at the laboratory from the received container.
I5	The vial provided contained preservative for 5 grams of sample; however, the vial was received with greater than 130% of this amount of sample.
K	The RPD result exceeded the quality control limits for the duplicate, Laboratory Control Sample Duplicate (LCSD), or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 13:23
Project Manager:	Doug McKee	Number of Containers:	89	

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
*	G indicates analysis performed by Fairway Laboratories, Inc. at the Greensburg location PaDEP: 65-00392. This location is PaDEP Chapter 252 certified.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 13:23
Project Manager: Doug McKee	Number of Containers:	89	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Fairway Laboratories, Inc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

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Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 2

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ❑
PWSID #

TAT: Normal ☒ Rush ❑
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

Analyses Requested
PADEP UST Short List Gasoline & Diesel Fuel

LAB USE ONLY
Work Order # 9F250528
Attach # 1
FLI Page # 1 of 3
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start Date	Composite Start Time	GRAB -or- Composite End Date	GRAB -or- Composite End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Bottle Type/Comments
1 SB-0620-01@15'	X		6/20/19		6/20/19	0900	X			4	0.7
2 -01@18'						0910					0.8
3 -02@15'						0930					4.1
4 -02@18'						0940					4.7
5 -03@15'						1000					4.6
6 -04@15'						1030					4.8
7 -04@10'						1040					0.70
8 -04@20'						1050					3-5
9 -05@15'						1115					1.7
10 -05@20'						1130					1.5
11 -06@15'	↓		↓		↓	1145	↓			↓	1.9

Sampled by: (Signature)			Received by:	6/24/19	1330
Relinquished by:	6/24/19	1200	Received by:	Date	Time
Relinquished by:	6/24/19	1910	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	6/24/19	1910

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

(F)

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 2 of 2

Client Name: McLEE ENVIRO
Address:
Contact: DOUG McLEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ❑
PWSID #

TAT: Normal ❑ Rush ❑
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

LAB USE ONLY
Work Order # 9F25028
Attach # 3
FLI Page # 2 of 3
Tracking #

	Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Composite Start: Start Time	GRAB -or- Composite End: End Date	GRAB -or- Composite End: End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Analyses Requested: PADEP UST Short List Gasoline & Diesel Fuel	Bottle Type/Comments
12	SB-0620-06@18'	X		6/20/19		6/20/19	1200	X			4	X	0.0
13	-06@20'	↓		↓		↓	1210	↓			↓	↓	0.0
14	-07@5'						1230						0.4
15	-07@10'						1240						1.5
16	-07@15'						1250						2.2
17	-07@20'						1300						2.1
18	-07@25'						1310						0.1
19	-08@15'						1330						0.2
20	-08@25'			↓		↓	1340						0.3
21	MW-4@25'			6/21/19		6/21/19	1000						
22	MW-4@35'	↓		6/21/19		6/21/19	1015	↓			↓	↓	

		Date	Time
Sampled by: (Signature)			
Relinquished by:		6/24/19	1200
Relinquished by:		6/24/19	1910
Relinquished by:		Date	Time
Received by:		6/24/19	1332
Received by:		Date	Time
Received by:		Date	Time
Received by:		6/24/19	1910

Remarks

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Chain of Custody Receiving Document

#3

Page 3 of 3

Receiver: PC

Date/Time of this check: 6/25/19 817 Client: McKee Env. Lab # 9F25028

Received on ICE? y ☐ * **Sample Temperature when delivered to the Lab:** 4.8°C **Acceptable?** y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? N Intact? NA

Morning Temperature Verification <6°C (if applicable): ✓

COC/Labels on bottles agree? y ☐* Correct containers for all the analysis requested? y ☐ * Matrix: Solid

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?) 1-MeOH	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
1							2 SodB.S	1-4oz jar	N		
↓							↓	↓	/A		
22											

* DEVIATION PRESENT:	CLIENT CALLED:	CLIENT RESPONSE:
☹ No Ice ( )	YES ( ) EMAIL	Proceed with analysis; qualify data (X)
☹ Not at Proper Temperature ( )	By Whom:	Will Resample ( )
☹ Wrong Container ( )	CINDY Date: 6/25/19	Provided Information ( )
☹ Missing Information: ( )		No Response; Proceed and qualified ( )
		Client Contact: DOUG Date: 6/25/19

* Comments: Received 1-4oz jar MW-5 @ 35' not on COC.

* ADDED TO LOGIN (-23) OK TO MAKE NECESSARY VIALS. TAKEN @ 10:25

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McKee Enviromental		Project:	PARKS STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	12/23/19 08:55
Project Manager:	Doug McKee	Number of Containers:	12	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
SOIL INVESTIGATION-LINES	9L12236-01	Solid	Grab	12/09/19 17:00	12/11/19 18:10
SOIL INVESTIGATION-TP-1 @ 10'	9L12236-02	Solid	Grab	12/10/19 11:30	12/11/19 18:10
SOIL INVESTIGATION-TP-2 @ 12.5'	9L12236-03	Solid	Grab	12/10/19 12:00	12/11/19 18:10

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2019 Ninth Avenue
PO Box 1925
Altoona, PA 16603
(814) 946-4306

NELAP: PA 07-062, VA 460212
State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

McKee Enviromental	Project:	PARKS STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	12/23/19 08:55
Project Manager: Doug McKee	Number of Containers:	12	

Client Sample ID: **SOIL INVESTIGATION-LINES** **Date/Time Sampled:** 12/09/19 17:00

Laboratory Sample ID: **9L12236-01 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	86.7		0.100	%	12/14/19 12:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Benzene	<0.181		0.181	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Toluene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Ethylbenzene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Xylenes (total)	<0.905		0.905	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Isopropylbenzene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Naphthalene	<0.453		0.453	mg/kg dry	12/16/19 16:43	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-130*		*12/16/19 16:43*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*12/16/19 16:43*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*12/16/19 16:43*	*EPA 8260B*	mtc	

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McKee Enviromental			Project:	PARKS STATION	
86 Quartz Drive			Project Number:	[none]	**Reported:**
Bellefonte PA, 16823			Collector:	DM	12/23/19 08:55
Project Manager:	Doug McKee		Number of Containers:	12	

Client Sample ID: **SOIL INVESTIGATION-TP-1 @ 10'** **Date/Time Sampled:** 12/10/19 11:30

Laboratory Sample ID: **9L12236-02 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	85.3		0.100	%	12/14/19 12:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	21.7		4.25	mg/kg dry	12/17/19 16:56	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	64.9		4.25	mg/kg dry	12/17/19 16:56	EPA 8260B	mtc	
Benzene	1.12		0.170	mg/kg dry	12/16/19 17:09	EPA 8260B	mtc	
Toluene	0.699		0.425	mg/kg dry	12/16/19 17:09	EPA 8260B	mtc	
Ethylbenzene	19.9		4.25	mg/kg dry	12/17/19 16:56	EPA 8260B	mtc	
Xylenes (total)	54.3		8.49	mg/kg dry	12/17/19 16:56	EPA 8260B	mtc	
Isopropylbenzene	3.53		0.425	mg/kg dry	12/16/19 17:09	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.425		0.425	mg/kg dry	12/16/19 17:09	EPA 8260B	mtc	
Naphthalene	13.4		4.25	mg/kg dry	12/17/19 16:56	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*110 %*	*70-130*		*12/16/19 17:09*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*		*12/16/19 17:09*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*105 %*	*70-130*		*12/16/19 17:09*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARKS STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	12/23/19 08:55
Project Manager: Doug McKee	Number of Containers:	12	

Client Sample ID: **SOIL INVESTIGATION-TP-2 @ 12.5'** **Date/Time Sampled:** 12/10/19 12:00

Laboratory Sample ID: **9L12236-03 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.7		0.100	%	12/14/19 12:00	SM 2540 G-11	EEV	
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	0.683		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	2.13		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Benzene	2.14		0.243	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Toluene	0.806		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Ethylbenzene	1.59		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Xylenes (total)	7.38		1.22	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Isopropylbenzene	<0.608		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Methyl tert-butyl ether	<0.608		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Naphthalene	7.72		0.608	mg/kg dry	12/16/19 17:36	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		*12/16/19 17:36*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*12/16/19 17:36*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*12/16/19 17:36*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARKS STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	12/23/19 08:55
Project Manager:	Doug McKee	Number of Containers:	12	

Notes

I5 The vial provided contained preservative for 5 grams of sample; however, the vial was received with greater than 130% of this amount of sample.

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McKee Enviromental		Project:	PARKS STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	12/23/19 08:55
Project Manager:	Doug McKee	Number of Containers:	12	

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	**Analysis location indicator:** **D**: Indicates analysis performed by Fairway Laboratories, Inc., 110 McCracken Run Rd., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258. **G**: Indicates analysis performed by Fairway Laboratories, Inc., 4727 Route 30 Ste 204, Greensburg, PA 15601. PA DEP Chapter 252 certification: PA 65-00392. **P**: Indicates analysis performed by Fairway Laboratories, Inc., 89 Kristi Rd., Pennsdale, PA 17756. PA DEP Chapter 252 certification: PA 41-04684. **W**: Indicates analysis performed by Fairway Laboratories, Inc., 1950 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.

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McKee Enviromental		Project:	PARKS STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	12/23/19 08:55
Project Manager:	Doug McKee	Number of Containers:	12	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK'S STATION
Quote/PO #:

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

LAB USE ONLY
Work Order # 9L12236
Attach # 1
FLI Page # 1 of 2
Tracking #

	Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Composite Start: Start Time	GRAB -or- Composite End: End Date	GRAB -or- Composite End: End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Analyses Requested: PADEP UIC GAS SHORT LIST	Bottle Type/Comments
1	SOIL INVESTIGATION-LINES	X				12/9/19	1700	X			4	X	3.5
2	" - TP-1 @ 10'	↓				12/10/19	1130	↓			↓	↓	3.9
3	" - TP-2 @ 12.5'	↓				12/10/19	1200	↓			↓	↓	3.7

		Date	Time
Sampled by: (Signature)			
Relinquished by:		12/11/19	1400
Relinquished by:		12/11/19	1810
Relinquished by:			
Received by:			
Received by:		12/11/19	1700
Received by:			
Received by:		12/11/19	18:10

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

SOP FLI0601-002 Attachment G Revision 26 Date: May 22, 2019 Page of

Chain of Custody Receiving Document

Page 2 of 2

Receiver: GL

Date/Time of this check: 12/27/19 15:00 Client: McKee Enviro Lab # 9L12236 #2

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 3.1 °C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? NO Intact? N/A

Morning Temperature Verification <6°C (if applicable): ☐

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Soil

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
							MeOH 2 vials	4oz jar	N/A		
1							↓	↓	↓		
2											
3											

* DEVIATION PRESENT:		CLIENT CALLED:	CLIENT RESPONSE:	
☹ No Ice	( )	YES ( )	Proceed with analysis; qualify data	( )
☹ Not at Proper Temperature	( )	By Whom:	Will Resample	( )
☹ Wrong Container	( )		Provided Information	( )
☹ Missing Information:	( )	_____ Date: _____	No Response; Proceed and qualified	( )
			Client Contact: _____ Date: _____	

* Comments: _____

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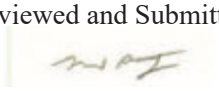
McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
SB-MW-8	9L23094-01	Solid	Grab	12/20/19 09:00	12/23/19 18:50
SB-MW-9	9L23094-02	Solid	Grab	12/20/19 09:30	12/23/19 18:50
SB-1220-08@9'	9L23094-03	Solid	Grab	12/20/19 11:20	12/23/19 18:50
SB-1220-08@10'	9L23094-04	Solid	Grab	12/20/19 11:25	12/23/19 18:50
SB-1220-08@15'	9L23094-05	Solid	Grab	12/20/19 11:30	12/23/19 18:50
SB-1220-09@10'	9L23094-06	Solid	Grab	12/20/19 11:30	12/23/19 18:50
SB-1220-09@14'	9L23094-07	Solid	Grab	12/20/19 11:40	12/23/19 18:50
SB-1220-10@10'	9L23094-08	Solid	Grab	12/20/19 12:00	12/23/19 18:50
SB-1220-10@14'	9L23094-09	Solid	Grab	12/20/19 12:10	12/23/19 18:50
SB-1220-11@10'	9L23094-10	Solid	Grab	12/20/19 12:30	12/23/19 18:50
SB-1220-11@15'	9L23094-11	Solid	Grab	12/20/19 12:40	12/23/19 18:50
SB-1220-11@19'	9L23094-12	Solid	Grab	12/20/19 12:50	12/23/19 18:50
SB-1220-12@10'	9L23094-13	Solid	Grab	12/20/19 13:10	12/23/19 18:50
SB-1220-12@15'	9L23094-14	Solid	Grab	12/20/19 13:30	12/23/19 18:50

Fairway Laboratories, Inc.

Reviewed and Submitted by:



Michael P. Tyler
Laboratory Director

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	01/08/20 14:01
Project Manager: Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-MW-8** **Date/Time Sampled:** 12/20/19 09:00

Laboratory Sample ID: **9L23094-01 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	85.4		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Benzene	<0.0015		0.0015	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Toluene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Ethylbenzene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Xylenes (total)	<0.0074		0.0074	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Isopropylbenzene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Naphthalene	<0.0037		0.0037	mg/kg dry	12/27/19 21:31	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-130*		*12/27/19 21:31*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*		*12/27/19 21:31*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*12/27/19 21:31*	*EPA 8260B*	jmg	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	01/08/20 14:01
Project Manager: Doug McKee	Number of Containers:	56	

Client Sample ID: SB-MW-9 **Date/Time Sampled:** 12/20/19 09:30

Laboratory Sample ID: 9L23094-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.5		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	3.76		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	11.4		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Benzene	1.31		0.645	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Toluene	1.83		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Ethylbenzene	5.31		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Xylenes (total)	26.4		3.23	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Isopropylbenzene	<1.61		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.61		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Naphthalene	2.60		1.61	mg/kg dry	12/30/19 16:03	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-130*		*12/30/19 16:03*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*12/30/19 16:03*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*96 %*	*70-130*		*12/30/19 16:03*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-08@9'** **Date/Time Sampled:** 12/20/19 11:20

Laboratory Sample ID: **9L23094-03 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.1		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Benzene	<0.209		0.209	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Toluene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Ethylbenzene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Xylenes (total)	<1.05		1.05	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Isopropylbenzene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Methyl tert-butyl ether	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Naphthalene	<0.523		0.523	mg/kg dry	12/30/19 17:24	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-130*		*12/30/19 17:24*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*70-130*		*12/30/19 17:24*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*97 %*	*70-130*		*12/30/19 17:24*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-08@10'** **Date/Time Sampled:** 12/20/19 11:25

Laboratory Sample ID: **9L23094-04 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.4		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	1.76		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	8.33		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Benzene	<0.411		0.411	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Toluene	<1.03		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Ethylbenzene	2.67		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Xylenes (total)	2.12		2.05	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Isopropylbenzene	<1.03		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.03		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Naphthalene	1.06		1.03	mg/kg dry	12/30/19 16:57	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-130*		*12/30/19 16:57*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*70-130*		*12/30/19 16:57*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*96 %*	*70-130*		*12/30/19 16:57*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-08@15'** **Date/Time Sampled:** 12/20/19 11:30

Laboratory Sample ID: **9L23094-05 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	89.7		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	35.0		5.02	mg/kg dry	12/31/19 20:18	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	29.0		10.0	mg/kg dry	01/03/20 16:28	EPA 8260B	JMG	
Benzene	1.13		0.201	mg/kg dry	12/30/19 17:51	EPA 8260B	JMG	
Toluene	9.02		0.502	mg/kg dry	12/30/19 17:51	EPA 8260B	JMG	
Ethylbenzene	41.9		5.02	mg/kg dry	12/31/19 20:18	EPA 8260B	JMG	
Xylenes (total)	233		10.0	mg/kg dry	12/31/19 20:18	EPA 8260B	JMG	
Isopropylbenzene	1.09		0.502	mg/kg dry	12/30/19 17:51	EPA 8260B	JMG	
Methyl tert-butyl ether	<0.502		0.502	mg/kg dry	12/30/19 17:51	EPA 8260B	JMG	
Naphthalene	4.64		0.502	mg/kg dry	12/30/19 17:51	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*12/30/19 17:51*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*70-130*		*12/30/19 17:51*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*12/30/19 17:51*	*EPA 8260B*	JMG	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	01/08/20 14:01
Project Manager: Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-09@10'** **Date/Time Sampled:** 12/20/19 11:30

Laboratory Sample ID: **9L23094-06 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	79.9		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Benzene	0.0020		0.0019	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Toluene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Ethylbenzene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Xylenes (total)	<0.0093		0.0093	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Isopropylbenzene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Naphthalene	<0.0046		0.0046	mg/kg dry	12/27/19 21:58	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*12/27/19 21:58*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*12/27/19 21:58*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*12/27/19 21:58*	*EPA 8260B*	jmg	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-09@14'** **Date/Time Sampled:** 12/20/19 11:40

Laboratory Sample ID: **9L23094-07 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	73.2		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0048		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	<0.0048		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Benzene	<0.0019		0.0019	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Toluene	<0.0048		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Ethylbenzene	0.0508		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Xylenes (total)	<0.0096		0.0096	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Isopropylbenzene	0.0077		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0048		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Naphthalene	0.0210		0.0048	mg/kg dry	12/27/19 22:25	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*12/27/19 22:25*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*		*12/27/19 22:25*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*12/27/19 22:25*	*EPA 8260B*	jmg	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	01/08/20 14:01
Project Manager: Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-10@10'** **Date/Time Sampled:** 12/20/19 12:00

Laboratory Sample ID: **9L23094-08 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	84.1		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	0.0061		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Benzene	<0.0018		0.0018	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Toluene	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Ethylbenzene	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Xylenes (total)	<0.0089		0.0089	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Isopropylbenzene	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Naphthalene	<0.0044		0.0044	mg/kg dry	12/27/19 22:51	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*12/27/19 22:51*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*12/27/19 22:51*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*12/27/19 22:51*	*EPA 8260B*	jmg	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-10@14'** **Date/Time Sampled:** 12/20/19 12:10

Laboratory Sample ID: **9L23094-09 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.3		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.0057		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	<0.0057		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Benzene	<0.0023		0.0023	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Toluene	<0.0057		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	K
Ethylbenzene	0.0071		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	K
Xylenes (total)	<0.0114		0.0114	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Isopropylbenzene	0.0078		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0057		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Naphthalene	<0.0057		0.0057	mg/kg dry	12/27/19 23:18	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		*12/27/19 23:18*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*12/27/19 23:18*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*12/27/19 23:18*	*EPA 8260B*	jmg	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-11@10'** **Date/Time Sampled:** 12/20/19 12:30

Laboratory Sample ID: **9L23094-10 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.5		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	34.1		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	101		8.85	mg/kg dry	12/31/19 19:51	EPA 8260B	JMG	
Benzene	10.9		1.77	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Toluene	81.2		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Ethylbenzene	42.3		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Xylenes (total)	232		8.85	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Isopropylbenzene	5.57		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Methyl tert-butyl ether	<4.43		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Naphthalene	24.8		4.43	mg/kg dry	12/30/19 15:09	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*12/30/19 15:09*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*12/30/19 15:09*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*12/30/19 15:09*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-11@15'** **Date/Time Sampled:** 12/20/19 12:40

Laboratory Sample ID: **9L23094-11 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.1		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	6.15		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	19.2		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Benzene	1.91		0.987	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Toluene	5.28		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Ethylbenzene	6.83		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Xylenes (total)	32.7		4.93	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Isopropylbenzene	<2.47		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Methyl tert-butyl ether	<2.47		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Naphthalene	3.96		2.47	mg/kg dry	12/30/19 16:30	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*12/30/19 16:30*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*12/30/19 16:30*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*99 %*	*70-130*		*12/30/19 16:30*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-11@19'** **Date/Time Sampled:** 12/20/19 12:50

Laboratory Sample ID: **9L23094-12 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	82.6		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	35.8		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	109		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Benzene	18.3		2.81	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Toluene	117		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Ethylbenzene	46.0		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Xylenes (total)	250		14.0	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Isopropylbenzene	<7.02		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Methyl tert-butyl ether	<7.02		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Naphthalene	21.5		7.02	mg/kg dry	12/30/19 15:36	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*12/30/19 15:36*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		*12/30/19 15:36*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*98 %*	*70-130*		*12/30/19 15:36*	*EPA 8260B*	JMG	

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(814) 946-4306

NELAP: PA 07-062, VA 460212
State Certifications: MD 275, WV 364

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www.fairwaylaboratories.com

McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-12@10'** **Date/Time Sampled:** 12/20/19 13:10

Laboratory Sample ID: **9L23094-13 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	81.1		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								I5
1,3,5-Trimethylbenzene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
1,2,4-Trimethylbenzene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Benzene	<0.0018		0.0018	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Toluene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Ethylbenzene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Xylenes (total)	<0.0092		0.0092	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Isopropylbenzene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Methyl tert-butyl ether	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Naphthalene	<0.0046		0.0046	mg/kg dry	12/28/19 00:12	EPA 8260B	jmg	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*12/28/19 00:12*	*EPA 8260B*	jmg	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*		*12/28/19 00:12*	*EPA 8260B*	jmg	
Surrogate: Fluorobenzene		*103 %*	*70-130*		*12/28/19 00:12*	*EPA 8260B*	jmg	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Client Sample ID: **SB-1220-12@15'** **Date/Time Sampled:** 12/20/19 13:30

Laboratory Sample ID: **9L23094-14 (Solid/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Conventional Chemistry Parameters by SM/EPA Methods								
% Solids	83.7		0.100	%	12/31/19 17:00	SM 2540 G-11	EEV	B3
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5035								
1,3,5-Trimethylbenzene	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Benzene	0.0019		0.0019	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Toluene	0.0053		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Ethylbenzene	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Xylenes (total)	<0.0096		0.0096	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Isopropylbenzene	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Methyl tert-butyl ether	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Naphthalene	<0.0048		0.0048	mg/kg dry	12/30/19 12:55	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*12/30/19 12:55*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*		*12/30/19 12:55*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*12/30/19 12:55*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Notes

B3	This sample was analyzed outside the EPA holding time.
I5	The vial provided contained preservative for 5 grams of sample; however, the vial was received with greater than 130% of this amount of sample.
K	The RPD result exceeded the quality control limits for the duplicate, Laboratory Control Sample Duplicate (LCSD), or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	**Analysis location indicator:** **D**: Indicates analysis performed by Fairway Laboratories, Inc., 110 McCracken Run Rd., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258. **G**: Indicates analysis performed by Fairway Laboratories, Inc., 4727 Route 30 Ste 204, Greensburg, PA 15601. PA DEP Chapter 252 certification: PA 65-00392. **P**: Indicates analysis performed by Fairway Laboratories, Inc., 89 Kristi Rd., Pennsdale, PA 17756. PA DEP Chapter 252 certification: PA 41-04684. **W**: Indicates analysis performed by Fairway Laboratories, Inc., 1950 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	01/08/20 14:01
Project Manager:	Doug McKee	Number of Containers:	56	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Fairway Laboratories, Inc.

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

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Fax: (814) 946-8791

Client Page # 1 of 2

Client Name: ~~PARK STATION~~
Address: MCKEE ENVIRO
Contact: DOUG MCKEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

LAB USE ONLY
Work Order # 9L23094
Attach # 1
FLI Page # 1 of 3
Tracking #

Analyses Requested: PADEP UST UL GAS SHORTLIST

	Sample Description/Location	GRAB	Composite	Composite Start Date	Composite Start Time	End Date	End Time	Solid	Water	Other	# of Containers	PADEP UST UL GAS SHORTLIST						Bottle Type/Comments
1	SB-MW-8	X				12/20/19	0900	X			4	X	2.2°C					
2	SB-MW-9	↓				↓	0930	↓			↓	↓	5.5°C					
3	SB-1220-08@9'	↓				↓	1120	↓			↓	↓	3.9°C					
4	SB-1220-08@10'	↓				↓	1125	↓			↓	↓	3.4°C					
5	-08@15'	↓				↓	1130	↓			↓	↓	2.8°C					
6	-09@10'	↓				↓	1130	↓			↓	↓	4.4°C					
7	-09@14'	↓				↓	1140	↓			↓	↓	1.5°C					
8	-10@10'	↓				↓	1200	↓			↓	↓	4.7°C					
9	SB-1220-10@14'	X				↓	1210	↓			↓	↓	2.4°C					

	Date	Time		Date	Time
Sampled by: (Signature) [signature]			Received by: [signature]	12-20-19	1435
Relinquished by: [signature]	12/20/19	1430	Received by:		
Relinquished by: [signature]	12-23-19	1853	Received by:		
Relinquished by:			Received by: [signature]	12-2019	1850

Remarks

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES *Environmental Laboratory*

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Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 2 of 2

Client Name: McKee Enviro
Address:
Contact: Doug McKee
Phone #:
Fax #:
Project Name: Park Station
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

LAB USE ONLY
Work Order # 9L23094
Attach # 2
FLI Page # 2 of 3
Tracking #

Analyses Requested: PADEP UL UST SHORT LIST

	Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Start Time	GRAB -or- Composite End: End Date	End Time	Matrix: Solid	Water	Other	# of Containers	PADEP UL UST SHORT LIST		Bottle Type/Comments
0	SB-1220-11 @ 10'	X				12/20/19	1230	X			4	X	2,100	
11	11 @ 15'	↓				↓	1240	↓			↓	↓	5,000	
12	11 @ 19'	↓				↓	1250	↓			↓	↓	4700	
13	12 @ 10'	↓				↓	1310	↓			↓	↓	5240	
14	SB-1220-12 @ 15'	X				↓	1330	↓			↓	↓	5600	

	Date	Time		Date	Time
Sampled by: (Signature) [signature]			Received by: [signature]	12-20-19	1450
Relinquished by: [signature]	12/20/19	1430	Received by:		
Relinquished by: [signature]	12-20-19	1850	Received by:		
Relinquished by:			Received by: [signature]	12-20-19	18:50

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

SOP FLI0601-002 Attachment G | Revision 26 | Date: May 22, 2019 | Page of

Chain of Custody Receiving Document

Page 3 of 3

Receiver: CL

Date/Time of this check: 12-23-19 14:45 Client: McKee Enviro Lab # 92 23094 #3

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 5.5 °C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? NO Intact? N/A

Morning Temperature Verification <6°C (if applicable): ☐

COC/Labels on bottles agree? Y ☐ * Correct containers for all the analysis requested? Y ☐ * Matrix: Solid

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?) 1-MeOH 2-NaHSO4	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
1								4oz jar	N/A		
14											

*** DEVIATION PRESENT:**
- ⊗ **No Ice** ( )
- ⊗ **Not at Proper Temperature** ( )
- ⊗ **Wrong Container** ( )
- ⊗ **Missing Information:** ( )

CLIENT CALLED:
YES ( )
By Whom:
_____ **Date:** _____

CLIENT RESPONSE:
- **Proceed with analysis; qualify data** ( )
- **Will Resample** ( )
- **Provided Information** ( )
- **No Response; Proceed and qualified** ( )

Client Contact: _____ **Date:** _____

* Comments: _____

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PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 12:24
Project Manager:	Doug McKee	Number of Containers:	4	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-1	9F25032-01	Water	Grab	06/21/19 12:30	06/21/19 19:10
MW-2	9F25032-02	Water	Grab	06/21/19 13:00	06/21/19 19:10

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

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McKee Enviromental		Project:	PARK STATION
86 Quartz Drive		Project Number:	[none]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	4

Reported: 07/09/19 12:24

Client Sample ID: MW-1

Date/Time Sampled: 06/21/19 12:30

Laboratory Sample ID: 9F25032-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	364		5.00	ug/l	06/27/19 15:57	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	1480		50.0	ug/l	06/29/19 07:03	EPA 8260B	mtc	
Benzene	6030		50.0	ug/l	06/29/19 07:03	EPA 8260B	mtc	
Toluene	10300		250	ug/l	07/02/19 07:32	EPA 8260B	mtc	
Ethylbenzene	2620		50.0	ug/l	06/29/19 07:03	EPA 8260B	mtc	
Xylenes (total)	12200		100	ug/l	06/29/19 07:03	EPA 8260B	mtc	
Isopropylbenzene	89.8		5.00	ug/l	06/27/19 15:57	EPA 8260B	mtc	
Methyl tert-butyl ether	169		5.00	ug/l	06/27/19 15:57	EPA 8260B	mtc	
Naphthalene	552		5.00	ug/l	06/27/19 15:57	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*06/27/19 15:57*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*		*06/27/19 15:57*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*99.1 %*	*70-130*		*06/27/19 15:57*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION
86 Quartz Drive		Project Number:	[none]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	4

Reported: 07/09/19 12:24

Client Sample ID: MW-2

Date/Time Sampled: 06/21/19 13:00

Laboratory Sample ID: 9F25032-02 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	3.22		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
1,2,4-Trimethylbenzene	9.75		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Benzene	7.68		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Toluene	16.1		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Ethylbenzene	8.17		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Xylenes (total)	36.4		2.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Isopropylbenzene	1.07		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Methyl tert-butyl ether	<1.00		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Naphthalene	4.57		1.00	ug/l	06/28/19 05:57	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*06/28/19 05:57*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*06/28/19 05:57*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*96.7 %*	*70-130*		*06/28/19 05:57*	*EPA 8260B*	bag	

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PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 12:24
Project Manager:	Doug McKee	Number of Containers:	4	

Notes

Q Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/09/19 12:24
Project Manager:	Doug McKee	Number of Containers:	4	

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
*	G indicates analysis performed by Fairway Laboratories, Inc. at the Greensburg location PaDEP: 65-00392. This location is PaDEP Chapter 252 certified.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/09/19 12:24
Project Manager: Doug McKee	Number of Containers:	4	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Fairway Laboratories, Inc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1

Client Name: ~~PARK STATION~~
Address: MCKEE ENVIRO
Contact: DOUG MCKEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ❑
PWSID #

TAT: Normal ☒ Rush ❑
Rush TAT subject to pre-approval and surcharge.
Date Required: ____/____/____

LAB USE ONLY
Work Order # 9F25032
Attach # 1
FLI Page # 1 of 2
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Composite Start: Start Time	GRAB -or- Composite End: End Date	GRAB -or- Composite End: End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Analyses Requested: PADEP UST Short List for Gasoline & Diesel Fuel	Bottle Type/Comments
MW-1	X				6/21/19	1230		X		2	X	0-0
MW-2	X				6/21/19	1300		X		2	X	0-0

Sampled by: (Signature)			Received by:		Date 6/24/19	Time 1332
Relinquished by:	Date 6/24/19	Time 1200	Received by:		Date	Time
Relinquished by:	Date 6/24/19	Time 1910	Received by:		Date	Time
Relinquished by:	Date	Time	Received by:		Date 6/21/19	Time 1510

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Page 2 of 2

Receiver: DC

Date/Time of this check: 6/25/19 816 Client: mc Kee Envir. Lab # 9F25032

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 0 °C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? N Intact? NA

Morning Temperature Verification <6°C (if applicable): ☐

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
1							2 HCl		NA		
2							1				

* DEVIATION PRESENT:	CLIENT CALLED:	CLIENT RESPONSE:
☹ No Ice ( )	YES ( )	Proceed with analysis; qualify data ( )
☹ Not at Proper Temperature ( )	By Whom:	Will Resample ( )
☹ Wrong Container ( )		Provided Information ( )
☹ Missing Information: ( )	Date:	No Response; Proceed and qualified ( )
		Client Contact: Date:

* Comments:

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/24/19 17:04
Project Manager:	Doug McKee	Number of Containers:	14	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-1	9G09063-01	Water	Grab	07/08/19 13:00	07/09/19 14:25
MW-2	9G09063-02	Water	Grab	07/08/19 12:30	07/09/19 14:25
MW-3	9G09063-03	Water	Grab	07/08/19 12:15	07/09/19 14:25
MW-4	9G09063-04	Water	Grab	07/08/19 12:00	07/09/19 14:25
MW-5	9G09063-05	Water	Grab	07/08/19 11:30	07/09/19 14:25
MW-6	9G09063-06	Water	Grab	07/08/19 13:05	07/09/19 14:25
MW-7	9G09063-07	Water	Grab	07/08/19 11:00	07/09/19 14:25

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-1** **Date/Time Sampled:** 07/08/19 13:00

Laboratory Sample ID: **9G09063-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	848		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	2900		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
Benzene	4940		250	ug/l	07/16/19 04:55	EPA 8260B	mtc	
Toluene	8320		250	ug/l	07/16/19 04:55	EPA 8260B	mtc	
Ethylbenzene	2720		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
Xylenes (total)	12400		500	ug/l	07/16/19 04:55	EPA 8260B	mtc	
Isopropylbenzene	162		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
Methyl tert-butyl ether	148		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
Naphthalene	1030		25.0	ug/l	07/13/19 09:30	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*07/13/19 09:30*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*		*07/13/19 09:30*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*102 %*	*70-130*		*07/13/19 09:30*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-2** **Date/Time Sampled:** 07/08/19 12:30

Laboratory Sample ID: **9G09063-02 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	1.31		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	2.76		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Benzene	2.75		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Toluene	3.17		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Ethylbenzene	3.10		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Xylenes (total)	9.43		2.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Isopropylbenzene	1.49		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Naphthalene	1.63		1.00	ug/l	07/11/19 21:07	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*70-130*		*07/11/19 21:07*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*		*07/11/19 21:07*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*103 %*	*70-130*		*07/11/19 21:07*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-3** **Date/Time Sampled:** 07/08/19 12:15

Laboratory Sample ID: **9G09063-03 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	49.9		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	148		5.00	ug/l	07/12/19 02:19	EPA 8260B	mtc	
Benzene	84.7		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Toluene	15.5		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Ethylbenzene	167		5.00	ug/l	07/12/19 02:19	EPA 8260B	mtc	H
Xylenes (total)	234		2.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Isopropylbenzene	22.6		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Naphthalene	80.0		1.00	ug/l	07/10/19 15:50	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*07/10/19 15:50*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*		*07/10/19 15:50*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*07/10/19 15:50*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-4** **Date/Time Sampled:** 07/08/19 12:00

Laboratory Sample ID: **9G09063-04 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	150		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	292		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Benzene	3330		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Toluene	1580		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Ethylbenzene	505		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Xylenes (total)	2690		100	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Isopropylbenzene	23.8		1.00	ug/l	07/14/19 07:23	EPA 8260B	mtc	
Methyl tert-butyl ether	20.6		1.00	ug/l	07/14/19 07:23	EPA 8260B	mtc	
Naphthalene	99.5		50.0	ug/l	07/16/19 16:30	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*70-130*		*07/14/19 07:23*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*		*07/14/19 07:23*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*75.8 %*	*70-130*		*07/14/19 07:23*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-5** **Date/Time Sampled:** 07/08/19 11:30

Laboratory Sample ID: **9G09063-05 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	8.33		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	18.6		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Benzene	59.8		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Toluene	1.18		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Ethylbenzene	6.73		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Xylenes (total)	20.0		2.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Isopropylbenzene	2.32		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Methyl tert-butyl ether	22.2		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Naphthalene	3.68		1.00	ug/l	07/14/19 05:53	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*07/14/19 05:53*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*		*07/14/19 05:53*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*104 %*	*70-130*		*07/14/19 05:53*	*EPA 8260B*	mtc	

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Altoona, PA 16603
(814) 946-4306
NELAP: PA 07-062, VA 460212

89 Kristi Road
Pennsdale, PA 17756
(570) 546-8899
PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

www.fairwaylaboratories.com

McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/24/19 17:04
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-6** **Date/Time Sampled:** 07/08/19 13:05

Laboratory Sample ID: **9G09063-06 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	07/14/19 06:23	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*70-130*		*07/14/19 06:23*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*		*07/14/19 06:23*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*108 %*	*70-130*		*07/14/19 06:23*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION
86 Quartz Drive		Project Number:	[none]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	14

Reported: 07/24/19 17:04

Client Sample ID: MW-7 **Date/Time Sampled:** 07/08/19 11:00

Laboratory Sample ID: 9G09063-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Benzene	2.11		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Methyl tert-butyl ether	6.09		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	07/14/19 06:53	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*07/14/19 06:53*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*		*07/14/19 06:53*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*105 %*	*70-130*		*07/14/19 06:53*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/24/19 17:04
Project Manager:	Doug McKee	Number of Containers:	14	

Notes

H	The spike recovery was above the acceptance range for the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) sample analyzed with the preparation batch.
Q	Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/24/19 17:04
Project Manager:	Doug McKee	Number of Containers:	14	

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
*	G indicates analysis performed by Fairway Laboratories, Inc. at the Greensburg location PaDEP: 65-00392. This location is PaDEP Chapter 252 certified.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	DM	07/24/19 17:04
Project Manager: Doug McKee	Number of Containers:	14	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

#1

Client Page # 1 of 1

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: __/__/__

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

LAB USE ONLY
Work Order # 9G09063
Attach #
FLI Page # 1 of 2
Tracking #

Analyses Requested: PADEP UL GAS UST SHORT LIST

Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Start Time	GRAB -or- Composite End: End Date	End Time	Solid	Water	Other	# of Containers	PADEP UL GAS UST SHORT LIST							Bottle Type/Comments
MW-1	X				7/8/19	1300		X		2	X							
MW-2	↓				↓	1230		↓		↓	↓							
MW-3	↓				↓	1215		↓		↓	↓							
MW-4	↓				↓	1200		↓		↓	↓							
MW-5	↓				↓	1130		↓		↓	↓							
MW-6	↓				↓	1315		↓		↓	↓							
MW-7	↓				↓	1300		↓		↓	↓							
					↓	~~1100~~												

Military or AM/PM required

	Date	Time		Date	Time
Sampled by (Signature): [signature]			Received by: [signature]	7/10/19	1035
Relinquished by: [signature]			Received by:		
Relinquished by: [signature]	7/10/19	1225	Received by: [signature]	7-9-19	1228
Relinquished by: [signature]	7-9-19	1404	Received by: [signature]	7/9/19	1425

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Page 2 of 2

Receiver: BNG

Date/Time of this check: 7/9/19 1414 Client: McKee Lab # 9G0490623

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 0 °C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? NA Intact? —

Morning Temperature Verification <6°C (if applicable): ☐

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations
1							2-HCl		NA		
7							2				

* DEVIATION PRESENT:	CLIENT CALLED:	CLIENT RESPONSE:
⊗ No Ice ( )	YES ( )	Proceed with analysis; qualify data ( )
⊗ Not at Proper Temperature ( )	By Whom:	Will Resample ( )
⊗ Wrong Container ( )		Provided Information ( )
⊗ Missing Information: ( )	Date:	No Response; Proceed and qualified ( )
		Client Contact: Date:

* Comments:

This is a date sensitive document and may not be current July 8, 2019

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-1	9I10015-01	Water	Grab	09/09/19 13:00	09/09/19 18:05
MW-2	9I10015-02	Water	Grab	09/09/19 12:45	09/09/19 18:05
MW-3	9I10015-03	Water	Grab	09/09/19 12:30	09/09/19 18:05
MW-4	9I10015-04	Water	Grab	09/09/19 12:15	09/09/19 18:05
MW-5	9I10015-05	Water	Grab	09/09/19 11:45	09/09/19 18:05
MW-6	9I10015-06	Water	Grab	09/09/19 11:00	09/09/19 18:05
MW-7	9I10015-07	Water	Grab	09/09/19 11:30	09/09/19 18:05

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-1** **Date/Time Sampled:** 09/09/19 13:00

Laboratory Sample ID: **9I10015-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	425		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	1520		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
Benzene	4290		250	ug/l	09/14/19 00:56	EPA 8260B	mtc	
Toluene	6980		250	ug/l	09/14/19 00:56	EPA 8260B	mtc	
Ethylbenzene	1740		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
Xylenes (total)	9130		500	ug/l	09/14/19 00:56	EPA 8260B	mtc	
Isopropylbenzene	80.2		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
Methyl tert-butyl ether	136		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
Naphthalene	533		25.0	ug/l	09/12/19 08:18	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*70-130*		*09/12/19 08:18*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*09/12/19 08:18*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*95.4 %*	*70-130*		*09/12/19 08:18*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-2** **Date/Time Sampled:** 09/09/19 12:45

Laboratory Sample ID: **9I10015-02 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	1.16		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Ethylbenzene	1.38		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Isopropylbenzene	2.24		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Naphthalene	1.07		1.00	ug/l	09/12/19 00:58	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*90.3 %*	*70-130*		*09/12/19 00:58*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*09/12/19 00:58*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*96.8 %*	*70-130*		*09/12/19 00:58*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-3** **Date/Time Sampled:** 09/09/19 12:30

Laboratory Sample ID: **9I10015-03 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	28.2		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	137		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Benzene	130		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Toluene	26.2		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Ethylbenzene	337		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Xylenes (total)	263		10.0	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Isopropylbenzene	25.4		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Methyl tert-butyl ether	<5.00		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Naphthalene	97.7		5.00	ug/l	09/12/19 18:53	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*91.1 %*	*70-130*		*09/12/19 18:53*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*		*09/12/19 18:53*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*100 %*	*70-130*		*09/12/19 18:53*	*EPA 8260B*	mtc	

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PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-4** **Date/Time Sampled:** 09/09/19 12:15

Laboratory Sample ID: **9I10015-04 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	79.6		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	286		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Benzene	3450		100	ug/l	09/14/19 01:26	EPA 8260B	mtc	
Toluene	2560		100	ug/l	09/14/19 01:26	EPA 8260B	mtc	
Ethylbenzene	639		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Xylenes (total)	2800		20.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Isopropylbenzene	19.8		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Methyl tert-butyl ether	<10.0		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Naphthalene	104		10.0	ug/l	09/12/19 08:48	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*70-130*		*09/12/19 08:48*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*09/12/19 08:48*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*93.4 %*	*70-130*		*09/12/19 08:48*	*EPA 8260B*	mtc	

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State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-5** **Date/Time Sampled:** 09/09/19 11:45

Laboratory Sample ID: **9I10015-05 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	2.96		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	5.21		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Benzene	111		5.00	ug/l	09/19/19 23:53	EPA 8260B	mtc	
Toluene	1.55		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Xylenes (total)	34.8		2.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Isopropylbenzene	1.89		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Methyl tert-butyl ether	5.08		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Naphthalene	2.85		1.00	ug/l	09/12/19 01:38	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*70-130*		*09/12/19 01:38*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*09/12/19 01:38*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*94.5 %*	*70-130*		*09/12/19 01:38*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-6** **Date/Time Sampled:** 09/09/19 11:00

Laboratory Sample ID: **9I10015-06 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	09/12/19 02:18	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*91.4 %*	*70-130*		*09/12/19 02:18*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*		*09/12/19 02:18*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*96.6 %*	*70-130*		*09/12/19 02:18*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Client Sample ID: **MW-7** **Date/Time Sampled:** 09/09/19 11:30

Laboratory Sample ID: **9I10015-07 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Methyl tert-butyl ether	4.85		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	09/11/19 15:31	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*91.5 %*	*70-130*		*09/11/19 15:31*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*		*09/11/19 15:31*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*97.6 %*	*70-130*		*09/11/19 15:31*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Notes

Q Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	09/25/19 14:11
Project Manager:	Doug McKee	Number of Containers:	14	

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
*	G indicates analysis performed by Fairway Laboratories, Inc. at the Greensburg location PaDEP: 65-00392. This location is PaDEP Chapter 252 certified.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	09/25/19 14:11
Project Manager: Doug McKee	Number of Containers:	14	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1
#1

Client Name: MCKEE ENVIRO
Address:
Contact: DOUG MCKEE
Phone #:
Fax #:
Project Name: PARK'S STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ____/____/____

LAB USE ONLY
Work Order # 9E10015
Attach #
FLI Page # 1 of 2
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Composite Start: Start Time	GRAB -or- Composite End: End Date	GRAB -or- Composite End: End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Analyses Requested: PADEP UL GAS LIST 8260 LIST	Bottle Type/Comments
MW-1	X				9/9/19	1100		X		2	X	4 VOC
MW-2						1245						3 VOC
MW-3						1250						3 VOC
MW-4						1215						5 VOC
MW-5						1145						3 VOC
MW-6						1100						4 VOC
MW-7	↓				↓	1130		↓		↓	↓	4 VOC

	Date	Time
Sampled by: (Signature)		
Relinquished by:	9/9/19	1540
Relinquished by:	9/9/19	1730
Relinquished by:		

	Date	Time
Received by:		
Received by:	9/9/19	1630
Received by:	9/9/19	1805
Received by:		

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

SOP FLI0601-002 Attachment G | Revision 26 | Date: May 22, 2019 | Page of

Chain of Custody Receiving Document

Page 2 of 2 #2

Receiver: [illegible]

Date/Time of this check: 9/10/19 619 Client: McKee Lab # 9E10015

Received on ICE? y ☐ * **Sample Temperature when delivered to the Lab:** 5.6°C **Acceptable?** y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? N Intact? —

Morning Temperature Verification <6°C (if applicable): ✓

COC/Labels on bottles agree? y ☐* Correct containers for all the analysis requested? y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?) HCl	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
1							2		NA		
2											
3											
4											
5											
6											
7											

*** DEVIATION PRESENT:**
- ⊗ **No Ice** ( )
- ⊗ **Not at Proper Temperature** ( )
- ⊗ **Wrong Container** ( )
- ⊗ **Missing Information:** ( )

CLIENT CALLED:
YES ( )
By Whom:
_____ **Date:** _____

CLIENT RESPONSE:
- **Proceed with analysis; qualify data** ( )
- **Will Resample** ( )
- **Provided Information** ( )
- **No Response; Proceed and qualified** ( )

Client Contact: _____ **Date:** _____

* Comments: _____

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-1	9L30028-01	Water	Grab	12/27/19 12:48	12/27/19 19:32
MW-2	9L30028-02	Water	Grab	12/27/19 11:45	12/27/19 19:32
MW-3	9L30028-03	Water	Grab	12/27/19 11:20	12/27/19 19:32
MW-4	9L30028-04	Water	Grab	12/27/19 11:55	12/27/19 19:32
MW-5	9L30028-05	Water	Grab	12/27/19 12:20	12/27/19 19:32
MW-6	9L30028-06	Water	Grab	12/27/19 11:00	12/27/19 19:32
MW-7	9L30028-07	Water	Grab	12/27/19 12:40	12/27/19 19:32
MW-8	9L30028-08	Water	Grab	12/27/19 11:30	12/27/19 19:32
MW-9	9L30028-09	Water	Grab	12/27/19 11:45	12/27/19 19:32
MW-10	9L30028-10	Water	Grab	12/27/19 12:00	12/27/19 19:32

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-1** **Date/Time Sampled:** 12/27/19 12:48

Laboratory Sample ID: **9L30028-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	271		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	1060		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Benzene	2560		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Toluene	3880		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Ethylbenzene	1260		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Xylenes (total)	5820		200	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Isopropylbenzene	<100		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Methyl tert-butyl ether	94.0		35.0	ug/l	01/07/20 12:07	EPA 8260B	JMG	S
Naphthalene	632		100	ug/l	01/07/20 12:07	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*01/07/20 12:07*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*		*01/07/20 12:07*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*01/07/20 12:07*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-2** **Date/Time Sampled:** 12/27/19 11:45

Laboratory Sample ID: **9L30028-02 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	2.06		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Ethylbenzene	2.12		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Xylenes (total)	2.73		2.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	01/07/20 03:13	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*70-130*		*01/07/20 03:13*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*01/07/20 03:13*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*106 %*	*70-130*		*01/07/20 03:13*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-3** **Date/Time Sampled:** 12/27/19 11:20

Laboratory Sample ID: **9L30028-03 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	29.8		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	184		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Benzene	23.4		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Toluene	18.0		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Ethylbenzene	361		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Xylenes (total)	276		10.0	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Isopropylbenzene	26.9		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.75		1.75	ug/l	01/07/20 11:10	EPA 8260B	JMG	S
Naphthalene	107		5.00	ug/l	01/07/20 11:10	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*01/07/20 11:10*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*		*01/07/20 11:10*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*01/07/20 11:10*	*EPA 8260B*	JMG	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	01/10/20 16:23
Project Manager: Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-4** **Date/Time Sampled:** 12/27/19 11:55

Laboratory Sample ID: **9L30028-04 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	1410		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	5000		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Benzene	2740		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Toluene	4360		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Ethylbenzene	2290		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Xylenes (total)	3650		500	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Isopropylbenzene	<250		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Methyl tert-butyl ether	<87.5		87.5	ug/l	01/07/20 12:35	EPA 8260B	JMG	S
Naphthalene	1250		250	ug/l	01/07/20 12:35	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*01/07/20 12:35*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*01/07/20 12:35*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*101 %*	*70-130*		*01/07/20 12:35*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-5** **Date/Time Sampled:** 12/27/19 12:20

Laboratory Sample ID: **9L30028-05 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	67.2		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	181		10.0	ug/l	01/07/20 13:45	EPA 8260B	mtc	
Benzene	118		10.0	ug/l	01/07/20 13:45	EPA 8260B	mtc	
Toluene	87.1		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
Ethylbenzene	98.8		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
Xylenes (total)	551		20.0	ug/l	01/07/20 13:45	EPA 8260B	mtc	
Isopropylbenzene	13.4		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
Methyl tert-butyl ether	65.8		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
Naphthalene	29.9		1.00	ug/l	01/07/20 03:39	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*01/07/20 03:39*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*		*01/07/20 03:39*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*112 %*	*70-130*		*01/07/20 03:39*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-6** **Date/Time Sampled:** 12/27/19 11:00

Laboratory Sample ID: **9L30028-06 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Methyl tert-butyl ether	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	01/07/20 04:05	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*70-130*		*01/07/20 04:05*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*		*01/07/20 04:05*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*104 %*	*70-130*		*01/07/20 04:05*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-7** **Date/Time Sampled:** 12/27/19 12:40

Laboratory Sample ID: **9L30028-07 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	12.2		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	38.2		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Benzene	7.33		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Toluene	22.0		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Ethylbenzene	18.6		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Xylenes (total)	99.4		2.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Isopropylbenzene	1.79		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Methyl tert-butyl ether	4.98		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Naphthalene	4.13		1.00	ug/l	01/07/20 04:31	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		*01/07/20 04:31*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*		*01/07/20 04:31*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*105 %*	*70-130*		*01/07/20 04:31*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-8** **Date/Time Sampled:** 12/27/19 11:30

Laboratory Sample ID: **9L30028-08 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Methyl tert-butyl ether	1.56		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	01/07/20 04:57	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*70-130*		*01/07/20 04:57*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*		*01/07/20 04:57*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*106 %*	*70-130*		*01/07/20 04:57*	*EPA 8260B*	mtc	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	01/10/20 16:23
Project Manager: Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-9** **Date/Time Sampled:** 12/27/19 11:45

Laboratory Sample ID: **9L30028-09 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	104		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	428		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Benzene	1100		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Toluene	290		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Ethylbenzene	580		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Xylenes (total)	1440		50.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Isopropylbenzene	35.5		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Methyl tert-butyl ether	59.2		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Naphthalene	251		25.0	ug/l	01/07/20 11:38	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		*01/07/20 11:38*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*		*01/07/20 11:38*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*99.9 %*	*70-130*		*01/07/20 11:38*	*EPA 8260B*	JMG	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Client Sample ID: **MW-10** **Date/Time Sampled:** 12/27/19 12:00

Laboratory Sample ID: **9L30028-10 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Benzene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Toluene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Ethylbenzene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Xylenes (total)	<2.00		2.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Isopropylbenzene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Methyl tert-butyl ether	8.80		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Naphthalene	<1.00		1.00	ug/l	01/07/20 05:22	EPA 8260B	mtc	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*70-130*		*01/07/20 05:22*	*EPA 8260B*	mtc	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*		*01/07/20 05:22*	*EPA 8260B*	mtc	
Surrogate: Fluorobenzene		*106 %*	*70-130*		*01/07/20 05:22*	*EPA 8260B*	mtc	

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Notes

Q	Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.
S	This analysis has been reported to the MDL; therefore it is an estimated value.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	**Analysis location indicator:** **D**: Indicates analysis performed by Fairway Laboratories, Inc., 110 McCracken Run Rd., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258. **G**: Indicates analysis performed by Fairway Laboratories, Inc., 4727 Route 30 Ste 204, Greensburg, PA 15601. PA DEP Chapter 252 certification: PA 65-00392. **P**: Indicates analysis performed by Fairway Laboratories, Inc., 89 Kristi Rd., Pennsdale, PA 17756. PA DEP Chapter 252 certification: PA 41-04684. **W**: Indicates analysis performed by Fairway Laboratories, Inc., 1950 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622.
<	Represents "less than" - indicates that the result was less than the reporting limit.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental		Project:	PARK STATION	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	01/10/20 16:23
Project Manager:	Doug McKee	Number of Containers:	20	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Fairway Laboratories, Inc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

LAB USE ONLY
Work Order # 9C30028
Attach #
FLI Page # 1 of 2
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start Start Date	Composite Start Start Time	GRAB -or- Composite End End Date	GRAB -or- Composite End End Time	Matrix: Solid	Matrix: Water	Matrix: Other	# of Containers	Analyses Requested: PADEP VOCs LIST	Bottle Type/Comments
MW-1	X				12/27/19	1248		X		2	X	3.0
MW-2						1145						3.3
MW-3						1120						5.4
MW-4						1155						4.6
MW-5						1220						3.9
MW-6						1100						4.7
MW-7						1240						3.7
MW-8						1130						3.7
MW-9						1145						3.1
MW-10						1200						3.1

		Date	Time
Sampled by: (Signature)			
Relinquished by:		1600	12/27/19
Relinquished by:	JC	12/27	1432
Relinquished by:		Date	Time
Received by:		Date	Time
Received by:	JC	12/27/19	1742
Received by:		12/27/19	1932
Received by:		Date	Time

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Page 2 of 2

Receiver: JR

Date/Time of this check: 12/30/19 0948 Client: McKee Lab # 9L30028

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 5.4°C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? N Intact? —

Morning Temperature Verification <6°C (if applicable): ✓

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
1							2 HCl		NA		1 w/ headspace
10											

* DEVIATION PRESENT:		CLIENT CALLED:	CLIENT RESPONSE:	
☹ No Ice	( )	YES ( )	Proceed with analysis; qualify data	( )
☹ Not at Proper Temperature	( )	By Whom:	Will Resample	( )
☹ Wrong Container	( )		Provided Information	( )
☹ Missing Information:	( )	Date:	No Response; Proceed and qualified	( )
			Client Contact: Date:	

* Comments:

2019 Ninth Avenue
PO Box 1925
Altoona, PA 16603
(814) 946-4306

NELAP: PA 07-062, VA 460212
State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 5

Reported:
02/28/20 11:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-11	0B24068-01	Water	Grab	02/21/20 10:30	02/21/20 16:50
MW-12	0B24068-02	Water	Grab	02/21/20 11:30	02/21/20 16:50
MW-13	0B24068-03	Water	Grab	02/21/20 12:15	02/21/20 16:50

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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FAIRWAY LABORATORIES
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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 5

Reported: 02/28/20 11:22

Client Sample ID: **MW-11**

Date/Time Sampled: 02/21/20 10:30

Laboratory Sample ID: **0B24068-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Benzene	5.31		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Methyl tert-butyl ether	2.05		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	02/26/20 05:41	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*70-130*		*02/26/20 05:41*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*89.5 %*	*70-130*		*02/26/20 05:41*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.9 %*	*70-130*		*02/26/20 05:41*	*EPA 8260B*	JMG	

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 5

Reported: 02/28/20 11:22

Client Sample ID: **MW-12**

Date/Time Sampled: 02/21/20 11:30

Laboratory Sample ID: **0B24068-02 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	16.0		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	47.8		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Benzene	121		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Toluene	<10.0		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Ethylbenzene	822		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Xylenes (total)	47.2		20.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Isopropylbenzene	73.1		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Methyl tert-butyl ether	<3.50		3.50	ug/l	02/25/20 17:41	EPA 8260B	JMG	S
Naphthalene	248		10.0	ug/l	02/25/20 17:41	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*02/25/20 17:41*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*02/25/20 17:41*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*99.6 %*	*70-130*		*02/25/20 17:41*	*EPA 8260B*	JMG	

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 5

Reported: 02/28/20 11:22

Client Sample ID: MW-13

Date/Time Sampled: 02/21/20 12:15

Laboratory Sample ID: 0B24068-03 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	2.68		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Benzene	1.25		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Toluene	1.72		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Ethylbenzene	1.87		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Xylenes (total)	7.45		2.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.00		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Naphthalene	1.21		1.00	ug/l	02/26/20 06:11	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*70-130*		*02/26/20 06:11*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*89.1 %*	*70-130*		*02/26/20 06:11*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.4 %*	*70-130*		*02/26/20 06:11*	*EPA 8260B*	JMG	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	02/28/20 11:22
Project Manager: Doug McKee	Number of Containers:	5	

Notes

Q	Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.
S	This analysis has been reported to the MDL; therefore it is an estimated value.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	02/28/20 11:22
Project Manager: Doug McKee	Number of Containers:	5	

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	**Analysis location indicator:** **D**: Indicates analysis performed by Fairway Laboratories, Inc., 110 McCracken Run Rd., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258. **G**: Indicates analysis performed by Fairway Laboratories, Inc., 4727 Route 30 Ste 204, Greensburg, PA 15601. PA DEP Chapter 252 certification: PA 65-00392. **P**: Indicates analysis performed by Fairway Laboratories, Inc., 89 Kristi Rd., Pennsdale, PA 17756. PA DEP Chapter 252 certification: PA 41-04684. **W**: Indicates analysis performed by Fairway Laboratories, Inc., 1950 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622.
<	Represents "less than" - indicates that the result was less than the RL, or the MDL if indicated for the parameter.
MDL	Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values. If Radiological results are reported, the MDC - Minimum Detectable Concentration is shown in the MDL column.
RL	Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	02/28/20 11:22
Project Manager: Doug McKee	Number of Containers:	5	

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

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LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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Environmental Laboratory
2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1

Client Name: MCKEE ENVIRO
Address:
Contact: DOUG MCKEE
Phone #:
Fax #:
Project Name: PARKS SERVICE STATION
Quote/PO #:

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

LAB USE ONLY
Work Order # 0B24068
Attach #
FLI Page # 1 of 2
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start / GRAB -or- Composite End: Start Date	Start Time	End Date	End Time	Matrix: Solid	Water	Other	# of Containers	Analyses Requested: PADEP UL GAS UST short list	Bottle Type/Comments
MW-11	X				2/21/20	1030		X		2	X	0.3°C
MW-12	X					1130		↓		2	↓	0.1°C
MW-13	X					1215		↓		1	↓	0.5°C

Military or AM/PM required

		Date	Time
Sampled by: (Signature)	DSM		
Relinquished by:	DSM	2/21/20	1400
Relinquished by:	DSM	2/21/20	1650
Relinquished by:			
Received by:			
Received by:	[signature]	2/21/20	1520
Received by:	Danielle Chandler	2/21/20	1650
Received by:			

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

SOP FLI0601-002 Attachment G | Revision 26 | Date: May 22, 2019 | Page of

Chain of Custody Receiving Document

Page 2 of 2

Receiver: NF

Date/Time of this check: 2/24/20 7:19 Client: McKee Lab # 0B24068

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 0.3°C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? N Intact? N

Morning Temperature Verification <6°C (if applicable): ☐

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
MW-11							2-HCL		NP		
-12							↓		↓		
-13							1-HCL				

* DEVIATION PRESENT:	CLIENT CALLED:	CLIENT RESPONSE:
☹ No Ice ( )	YES ( )	Proceed with analysis; qualify data ( )
☹ Not at Proper Temperature ( )	By Whom:	Will Resample ( )
☹ Wrong Container ( )		Provided Information ( )
☹ Missing Information: ( )	Date:	No Response; Proceed and qualified ( )
		Client Contact: Date:

* Comments:

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported:
03/26/20 08:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
MW-1	0C17010-01	Water	Grab	03/12/20 17:00	03/13/20 12:45
MW-2	0C17010-02	Water	Grab	03/12/20 15:30	03/13/20 12:45
MW-3	0C17010-03	Water	Grab	03/12/20 15:00	03/13/20 12:45
MW-4	0C17010-04	Water	Grab	03/12/20 14:30	03/13/20 12:45
MW-5	0C17010-05	Water	Grab	03/12/20 14:00	03/13/20 12:45
MW-6	0C17010-06	Water	Grab	03/12/20 11:00	03/13/20 12:45
MW-7	0C17010-07	Water	Grab	03/12/20 11:30	03/13/20 12:45
MW-8	0C17010-08	Water	Grab	03/12/20 12:00	03/13/20 12:45
MW-9	0C17010-09	Water	Grab	03/12/20 12:30	03/13/20 12:45
MW-10	0C17010-10	Water	Grab	03/12/20 13:00	03/13/20 12:45
MW-11	0C17010-11	Water	Grab	03/12/20 13:30	03/13/20 12:45
MW-12	0C17010-12	Water	Grab	03/12/20 16:00	03/13/20 12:45

Refer to receiving document. AI

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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State Certifications: MD 275, WV 364

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www.fairwaylaboratories.com

McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-1**

Date/Time Sampled: 03/12/20 17:00

Laboratory Sample ID: **0C17010-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	372		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	1140		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Benzene	2910		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Toluene	3540		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Ethylbenzene	1300		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Xylenes (total)	5320		100	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Isopropylbenzene	95.5		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Methyl tert-butyl ether	106		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Naphthalene	426		50.0	ug/l	03/20/20 15:52	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*03/20/20 15:52*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*85.1 %*	*70-130*		*03/20/20 15:52*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.1 %*	*70-130*		*03/20/20 15:52*	*EPA 8260B*	JMG	

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86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-2**

Date/Time Sampled: 03/12/20 15:30

Laboratory Sample ID: **0C17010-02 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	106		10.0	ug/l	03/23/20 15:11	EPA 8260B	JMG	Q
1,2,4-Trimethylbenzene	330		10.0	ug/l	03/23/20 15:11	EPA 8260B	JMG	Q
Benzene	75.0		1.00	ug/l	03/21/20 04:07	EPA 8260B	JMG	
Toluene	152		10.0	ug/l	03/23/20 15:11	EPA 8260B	JMG	Q
Ethylbenzene	155		10.0	ug/l	03/23/20 15:11	EPA 8260B	JMG	Q
Xylenes (total)	761		20.0	ug/l	03/23/20 15:11	EPA 8260B	JMG	Q
Isopropylbenzene	21.8		1.00	ug/l	03/21/20 04:07	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.00		1.00	ug/l	03/21/20 04:07	EPA 8260B	JMG	
Naphthalene	59.1		1.00	ug/l	03/21/20 04:07	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*03/21/20 04:07*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*		*03/21/20 04:07*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*94.9 %*	*70-130*		*03/21/20 04:07*	*EPA 8260B*	JMG	

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Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-3**

Date/Time Sampled: 03/12/20 15:00

Laboratory Sample ID: **0C17010-03 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	123		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	473		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Benzene	88.1		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Toluene	166		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Ethylbenzene	599		10.0	ug/l	03/23/20 15:39	EPA 8260B	JMG	
Xylenes (total)	1080		10.0	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Isopropylbenzene	55.6		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.75		1.75	ug/l	03/20/20 13:59	EPA 8260B	JMG	S
Naphthalene	200		5.00	ug/l	03/20/20 13:59	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*03/20/20 13:59*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*		*03/20/20 13:59*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*91.4 %*	*70-130*		*03/20/20 13:59*	*EPA 8260B*	JMG	

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Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-4**

Date/Time Sampled: 03/12/20 14:30

Laboratory Sample ID: **0C17010-04 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	600		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	2100		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Benzene	7110		100	ug/l	03/23/20 16:08	EPA 8260B	JMG	
Toluene	4480		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Ethylbenzene	2080		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Xylenes (total)	9500		100	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Isopropylbenzene	97.5		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Methyl tert-butyl ether	<17.5		17.5	ug/l	03/20/20 16:20	EPA 8260B	JMG	S
Naphthalene	504		50.0	ug/l	03/20/20 16:20	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*03/20/20 16:20*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*		*03/20/20 16:20*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*88.8 %*	*70-130*		*03/20/20 16:20*	*EPA 8260B*	JMG	

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Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-5**

Date/Time Sampled: 03/12/20 14:00

Laboratory Sample ID: **0C17010-05 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	<5.00		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	9.15		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Benzene	56.0		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Toluene	<5.00		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Ethylbenzene	6.40		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Xylenes (total)	<10.0		10.0	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Isopropylbenzene	<5.00		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Methyl tert-butyl ether	3.55		1.75	ug/l	03/20/20 14:27	EPA 8260B	JMG	S
Naphthalene	12.7		5.00	ug/l	03/20/20 14:27	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*		*03/20/20 14:27*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*		*03/20/20 14:27*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.7 %*	*70-130*		*03/20/20 14:27*	*EPA 8260B*	JMG	

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Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: MW-6

Date/Time Sampled: 03/12/20 11:00

Laboratory Sample ID: 0C17010-06 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Benzene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.00		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Naphthalene	1.55		1.00	ug/l	03/23/20 14:43	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-130*		*03/23/20 14:43*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*80.2 %*	*70-130*		*03/23/20 14:43*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*91.8 %*	*70-130*		*03/23/20 14:43*	*EPA 8260B*	JMG	

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: MW-7

Date/Time Sampled: 03/12/20 11:30

Laboratory Sample ID: 0C17010-07 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Benzene	1.05		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Methyl tert-butyl ether	6.37		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	03/21/20 05:04	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*106 %*	*70-130*		*03/21/20 05:04*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*87.6 %*	*70-130*		*03/21/20 05:04*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*96.0 %*	*70-130*		*03/21/20 05:04*	*EPA 8260B*	JMG	

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86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-8**

Date/Time Sampled: 03/12/20 12:00

Laboratory Sample ID: **0C17010-08 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Benzene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Methyl tert-butyl ether	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	03/21/20 05:32	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*		*03/21/20 05:32*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*		*03/21/20 05:32*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.2 %*	*70-130*		*03/21/20 05:32*	*EPA 8260B*	JMG	

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Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: MW-9

Date/Time Sampled: 03/12/20 12:30

Laboratory Sample ID: 0C17010-09 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	152		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	524		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Benzene	1350		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Toluene	333		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Ethylbenzene	496		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Xylenes (total)	2060		50.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Isopropylbenzene	28.0		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Methyl tert-butyl ether	54.0		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Naphthalene	203		25.0	ug/l	03/20/20 15:24	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*03/20/20 15:24*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*		*03/20/20 15:24*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*90.7 %*	*70-130*		*03/20/20 15:24*	*EPA 8260B*	JMG	

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Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: MW-10

Date/Time Sampled: 03/12/20 13:00

Laboratory Sample ID: 0C17010-10 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Benzene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Methyl tert-butyl ether	13.6		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	03/21/20 06:00	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*03/21/20 06:00*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*		*03/21/20 06:00*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*93.5 %*	*70-130*		*03/21/20 06:00*	*EPA 8260B*	JMG	

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2019 Ninth Avenue
PO Box 1925
Altoona, PA 16603
(814) 946-4306

NELAP: PA 07-062, VA 460212
State Certifications: MD 275, WV 364

FAIRWAY LABORATORIES
www.fairwaylaboratories.com

McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: MW-11

Date/Time Sampled: 03/12/20 13:30

Laboratory Sample ID: 0C17010-11 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Benzene	5.85		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Isopropylbenzene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Methyl tert-butyl ether	1.29		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	03/21/20 06:28	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*		*03/21/20 06:28*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*		*03/21/20 06:28*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*92.7 %*	*70-130*		*03/21/20 06:28*	*EPA 8260B*	JMG	

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 24

Reported: 03/26/20 08:29

Client Sample ID: **MW-12**

Date/Time Sampled: 03/12/20 16:00

Laboratory Sample ID: **0C17010-12 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								Q
1,3,5-Trimethylbenzene	107		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	350		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Benzene	257		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Toluene	236		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Ethylbenzene	332		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Xylenes (total)	898		20.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Isopropylbenzene	28.8		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Methyl tert-butyl ether	<3.50		3.50	ug/l	03/20/20 14:55	EPA 8260B	JMG	S
Naphthalene	113		10.0	ug/l	03/20/20 14:55	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*03/20/20 14:55*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*		*03/20/20 14:55*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*96.0 %*	*70-130*		*03/20/20 14:55*	*EPA 8260B*	JMG	

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/26/20 08:29
Project Manager: Doug McKee	Number of Containers:	24	

Notes

Q	Sample was analyzed at a dilution. Reporting limits were adjusted accordingly.
S	This analysis has been reported to the MDL; therefore it is an estimated value.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/26/20 08:29
Project Manager: Doug McKee	Number of Containers:	24	

Definitions:

If surrogate values are not within the indicated range, then the results are considered to be estimated.

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MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

#	The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory; and should be considered as analyzed outside the EPA holding time.
^	The following analytes are to be filtered immediately upon sampling: Hexavalent Chromium. Filtration through a 0.45 micron filter within 15 minutes of sampling is required for compliance with the Clean Water Act (CWA) for reporting of hexavalent chromium to prevent interconversion of chromium species.
*	**Analysis location indicator:** **D**: Indicates analysis performed by Fairway Laboratories, Inc., 110 McCracken Run Rd., DuBois, PA 15801. PA DEP Chapter 252 certification: PA 33-00258. **G**: Indicates analysis performed by Fairway Laboratories, Inc., 4727 Route 30 Ste 204, Greensburg, PA 15601. PA DEP Chapter 252 certification: PA 65-00392. **P**: Indicates analysis performed by Fairway Laboratories, Inc., 89 Kristi Rd., Pennsdale, PA 17756. PA DEP Chapter 252 certification: PA 41-04684. **W**: Indicates analysis performed by Fairway Laboratories, Inc., 1950 Golden Mile Rd., Wysox, PA 18854. NELAP certification: PA 08-05622.
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[CALC]	Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/26/20 08:29
Project Manager: Doug McKee	Number of Containers:	24	

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SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody. Samples received at the laboratory after business hours are verified on the next business day. Discrepancies are documented on the Receiving Document.

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HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES *Environmental Laboratory*

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 2

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK'S STATION
Quote/PO #:

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: __/__/__

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

LAB USE ONLY
Work Order # OC17010
Attach # 1
FLI Page # 1 of 3
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start – Start Date	Start Time	GRAB -or- Composite End – End Date	End Time	Solid	Water	Other	# of Containers	PADEP UL GAS UST SHORTLIST							Bottle Type/Comments
MW 1	X				3/12/20	5:00		X		2	X	2.5°C						
MW 2						3:30						3.8°C						
MW 3						3:00						2.4°C						
MW 4						2:30						1.8°C						
MW 5						2:00						2.1°C						
MW 6						11:10						4.5°C						
MW 7						11:30						3.8°C						
MW 8						12:00						4.0°C						
MW 9						12:30						3.9°C						
MW 10						1:00						3.4°C						
MW 11						1:30						3.2°C						

Military or AM/PM required

	Date	Time		Date	Time
Sampled by: (Signature) [signature]			Received by:		
Relinquished by: [signature]	3/12/20	1900	Received by: [signature]	3/13/20	1100
Relinquished by: [signature]	3/13/20	1200	Received by: [signature]	3.13.20	1205
Relinquished by: [signature]	3.13.20	1245	Received by: [signature]	3.13.20	1745

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES *Environmental Laboratory*

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 2 of 2

Client Name: McKEE ENVIRO
Address:
Contact: DOUG McKEE
Phone #:
Fax #:
Project Name: PARK'S STATION
Quote/PO #:
TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: __/__/__

Received on ice? Y N
Sample Temp:

Reportable to PADEP? Yes ☐
PWSID #

LAB USE ONLY
Work Order # OC17010
Attach # 2
FLI Page # 2 of 3
Tracking #

Sample Description/Location	GRAB	Composite	Composite Start: Start Date	Start Time	GRAB -or- Composite End: End Date	End Time	Solid	Water	Other	# of Containers	PADEP UST ULGAS SHORTLIST							Bottle Type/Comments
MW12	X				3/12/20	4:00		X		2	X	39°C						
MW13	X				↓	4:30		X		2	X							

Military or AM/PM required

	Date	Time		Date	Time
Sampled by: (Signature) [signature]			Received by:		
Relinquished by: [signature]	3/12/20	1900	Received by: [signature]	3/13/20	1100
Relinquished by: [signature]	3/13/20	1200	Received by: [signature]	3-13-20	1205
Relinquished by: [signature]	3-13-20	1245	Received by: [signature]	3/13/20	1245

Remarks

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

Chain of Custody Receiving Document

Receiver: A1 Page 3 of 3

Date/Time of this check: 3-17-20 0949 Client: McKee Lab # 0C17010

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 4.5°C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? No Intact? NA **Morning Temperature Verification <6°C (if applicable):** ☐

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
MW-1							2 HCl		NA		
↓							↓		↓		
MW-12							↓		↓		

*** DEVIATION PRESENT:**
- ☹ **No Ice** ( )
- ☹ **Not at Proper Temperature** ( )
- ☹ **Wrong Container** ( )
- ☹ **Missing Information:** ( )

CLIENT CALLED: YES (✓)

By Whom: Troy Tyler **Date:** 3/17/20

CLIENT RESPONSE:
- **Proceed with analysis; qualify data** ( )
- **Will Resample** ( )
- **Provided Information** (✓)
- **No Response; Proceed and qualified** ( )

Client Contact: Doug McKee **Date:** 3/17/20

* Comments: did not receive MW13 Client did not sample MW-13.

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McKee Enviromental
86 Quartz Drive
Bellefonte PA, 16823
Project Manager: Doug McKee

Project: PARK STATION
Project Number: [none]
Collector: CLIENT
Number of Containers: 2

Reported:
03/27/20 13:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
PW	0C17009-01	Water	Grab	03/12/20 13:30	03/13/20 12:45

Client Sample ID: PW

Date/Time Sampled: 03/12/20 13:30

Laboratory Sample ID: 0C17009-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030B								
1,3,5-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
1,2,4-Trimethylbenzene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Benzene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Toluene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Ethylbenzene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Xylenes (total)	<2.00		2.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Isopropylbenzene	6.84		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Methyl tert-butyl ether	15.1		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Naphthalene	<1.00		1.00	ug/l	03/21/20 03:39	EPA 8260B	JMG	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*		*03/21/20 03:39*	*EPA 8260B*	JMG	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*		*03/21/20 03:39*	*EPA 8260B*	JMG	
Surrogate: Fluorobenzene		*89.6 %*	*70-130*		*03/21/20 03:39*	*EPA 8260B*	JMG	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

Michael P. Tyler
Laboratory Director

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/27/20 13:06
Project Manager: Doug McKee	Number of Containers:	2	

Definitions:

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MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

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McKee Enviromental	Project:	PARK STATION	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/27/20 13:06
Project Manager: Doug McKee	Number of Containers:	2	

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SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

Fairway Laboratories, Inc.

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Please print. See back of COC for instructions/terms and conditions.

FAIRWAY LABORATORIES
Environmental Laboratory

2019 9th Ave.
P.O. Box 1925
Altoona, PA 16602
Phone: (814) 946-4306
Fax: (814) 946-8791

Client Page # 1 of 1

Client Name: McKEE ENVIRO
Address: ______
Contact: DOUG McKEE
Phone #: ______
Fax #: ______
Project Name: PARK'S STATION
Quote/PO #: ______

TAT: Normal ☒ Rush ☐
Rush TAT subject to pre-approval and surcharge.
Date Required: ___/___/___

Received on ice? Y N
Sample Temp: ______

Reportable to PADEP? Yes ☐
PWSID # ______

LAB USE ONLY
Work Order #: 0C17009
Attach #: 1
FLI Page #: 1 of 2
Tracking #: ______

GRAB -or- Composite: Composite Start / Composite End (Military or AM/PM required)

Analyses Requested: PADEP UL UST SHORTLIST

Sample Description/Location	GRAB	Composite	Start Date	Start Time	End Date	End Time	Solid	Water	Other	# of Containers	PADEP UL UST SHORTLIST							Bottle Type/Comments
PW	X				3/12/20	1:30		X		2	X	3.2°C						

	Date	Time	Received by:	Date	Time
Sampled by: (Signature) [signature]					
Relinquished by: [signature]	3/12/20	1900	Received by: [signature]	3/13/20	1400
Relinquished by: [signature]	3/13/20	1200	Received by: [signature]	3-0?20	1205
Relinquished by: [signature]	3/?/20	1245	Received by: [signature]	3/?/20	1245

Remarks: ______

By relinquishing my sample to Fairway Laboratories, Inc., I hereby agree to the terms and conditions printed on the reverse.

White Original - FLI File Canary - FLI Copy Pink - Customer Receipt Copy

SOP FLI0601-002 Attachment G | Revision 26 | Date: May 22, 2019 | Page of #2

Chain of Custody Receiving Document

Receiver: AI

Page 1 of 1

Date/Time of this check: 3-17-20 0948 Client: McKee Lab # OC17009

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 3.1°C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? NO Intact? NA

Morning Temperature Verification <6°C (if applicable): ✓

COC/Labels on bottles agree? Y ☐* Correct containers for all the analysis requested? Y ☐ * Matrix: Water

COC #	Number and Type of BOTTLES									Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations.
RW							2 HCl		NA		

*** DEVIATION PRESENT:**

- ⊗ **No Ice** ( )
- ⊗ **Not at Proper Temperature** ( )
- ⊗ **Wrong Container** ( )
- ⊗ **Missing Information:** ( )

CLIENT CALLED:

YES ( )

By Whom: _____ **Date:** _____

CLIENT RESPONSE:

- **Proceed with analysis; qualify data** ( )
- **Will Resample** ( )
- **Provided Information** ( )
- **No Response; Proceed and qualified** ( )

Client Contact: _____ **Date:** _____

* Comments: _____

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

July 29, 2019

Doug McKee
McKee Environmental, Inc. (PA)
86 Quartz Drive
Bellefonte, PA 16823

RE: PARK STATION

Dear Doug:

Enclosed are the results of the samples submitted to our laboratory on July 16, 2019. For your reference, these analyses have been assigned our service request number P1904162.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

Kate Kaneko
By Kate Kaneko at 3:48 pm, 07/29/19

Kate Kaneko
Laboratory Director

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: McKee Environmental, Inc (PA) Service Request No: P1904162
Project: PARK STATION

CASE NARRATIVE

The samples were received intact under chain of custody on July 16, 2019 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

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www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1521096
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-006
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: McKee Environmental, Inc (PA) Service Request: P1904162
Project ID: PARK STATION

Date Received: 7/16/2019
Time Received: 09:15

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans
PARK STATION VW-1	P1904162-001	Air	7/9/2019	12:30	1SC00263	-0.87	5.41	X
PARK STATION VW-2	P1904162-002	Air	7/9/2019	13:00	1SS01011	-2.36	5.73	X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Page 1 of 1

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P1904162

Company Name & Address (Reporting Information)	MCKEE ENVIRO
Project Name	PARK STATION
Project Number	
Project Manager	DOUG MCKEE
P.O. # / Billing Information	DOUGLAS S. MCKEE
Phone / Fax	
Email Address for Result Reporting	
Sampler (Print & Sign)	
ALS Contact:	

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15 FULL GAS VOCS		Comments e.g. Actual Preservative or specific instructions
PARK STATION VW-1		7/9/19	1230	ISC00263	0A00730	30	27	1L	X		
PARK STATION VW-2		7/9/19	1300	1550101 1	0A00452	-22	0	1L	X		

5 of 11

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date: 7/10/19	Time: 1100	Received by: (Signature)	Date: 7/10/19	Time: 0915	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: McKee Environmental, Inc (PA) Work order: P1904162

Project: PARK STATION

Sample(s) received on: 7/16/19 Date opened: 7/16/19 by: DENISE.POSADA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☐	☒	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☐	☒	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☐	☒
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1904162-001.01	1.0 L Source Can					
P1904162-002.01	1.0 L Source Silonite Canister					

Explain any discrepancies: (include lab sample ID numbers):

Sample 2 id didn't match COC id

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **PARK STATION VW-1** ALS Project ID: P1904162
Client Project ID: **PARK STATION** ALS Sample ID: P1904162-001

Test Code: EPA TO-15 Date Collected: 7/9/19
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 7/16/19
Analyst: Simon Cao Date Analyzed: 7/24/19
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.00020 Liter(s)
Test Notes:
Container ID: 1SC00263

Initial Pressure (psig): -0.87 Final Pressure (psig): 5.41

Container Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	3,900	ND	1,100	
71-43-2	Benzene	ND	3,800	ND	1,200	
108-88-3	Toluene	ND	3,800	ND	1,000	
100-41-4	Ethylbenzene	ND	3,800	ND	870	
179601-23-1	m,p-Xylenes	ND	8,000	ND	1,800	
95-47-6	o-Xylene	ND	3,800	ND	890	
98-82-8	Cumene	ND	3,800	ND	780	
108-67-8	1,3,5-Trimethylbenzene	ND	3,800	ND	780	
95-63-6	1,2,4-Trimethylbenzene	ND	3,800	ND	780	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **PARK STATION VW-2** ALS Project ID: P1904162
Client Project ID: **PARK STATION** ALS Sample ID: P1904162-002

Test Code: EPA TO-15 Date Collected: 7/9/19
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 7/16/19
Analyst: Simon Cao Date Analyzed: 7/24/19
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.0010 Liter(s)
Test Notes:
Container ID: 1SS01011

Initial Pressure (psig): -2.36 Final Pressure (psig): 5.73

Container Dilution Factor: 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	900	ND	250	
71-43-2	Benzene	**11,000**	860	**3,400**	270	
108-88-3	Toluene	**1,900**	880	**510**	230	
100-41-4	Ethylbenzene	**7,500**	860	**1,700**	200	
179601-23-1	m,p-Xylenes	**10,000**	1,800	**2,300**	420	
95-47-6	o-Xylene	**1,500**	880	**340**	200	
98-82-8	Cumene	ND	880	ND	180	
108-67-8	1,3,5-Trimethylbenzene	**1,300**	880	**270**	180	
95-63-6	1,2,4-Trimethylbenzene	**2,600**	880	**530**	180	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Method Blank** ALS Project ID: P1904162
Client Project ID: **PARK STATION** ALS Sample ID: P190724-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Simon Cao Date Analyzed: 7/24/19
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Container Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	0.54	ND	0.15	
71-43-2	Benzene	ND	0.52	ND	0.16	
108-88-3	Toluene	ND	0.53	ND	0.14	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
95-47-6	o-Xylene	ND	0.53	ND	0.12	
98-82-8	Cumene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.53	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **McKee Environmental, Inc (PA)**
Client Project ID: **PARK STATION** ALS Project ID: P1904162

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date(s) Collected: 7/9/19
Analyst: Simon Cao Date(s) Received: 7/16/19
Sample Type: 1.0 L Summa Canister(s) / 1.0 L Silonite Summa Canister(s) Date(s) Analyzed: 7/24/19
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P190724-MB	**106**	**99**	**94**	70-130	
Lab Control Sample	P190724-LCS	**106**	**95**	**97**	70-130	
PARK STATION VW-1	P1904162-001	**104**	**101**	**96**	70-130	
PARK STATION VW-2	P1904162-002	**105**	**100**	**97**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1904162
Client Project ID: **PARK STATION** ALS Sample ID: P190724-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Simon Cao Date Analyzed: 7/25/19
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	214	**225**	**105**	67-109	
71-43-2	Benzene	211	**185**	**88**	67-106	
108-88-3	Toluene	212	**180**	**85**	62-111	
100-41-4	Ethylbenzene	212	**183**	**86**	64-113	
179601-23-1	m,p-Xylenes	426	**375**	**88**	64-114	
95-47-6	o-Xylene	214	**188**	**88**	65-114	
98-82-8	Cumene	214	**185**	**86**	61-116	
108-67-8	1,3,5-Trimethylbenzene	214	**183**	**86**	60-117	
95-63-6	1,2,4-Trimethylbenzene	215	**190**	**88**	61-122	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

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www.alsglobal.com

LABORATORY REPORT

January 29, 2020

Doug McKee
McKee Environmental, Inc. (PA)
86 Quartz Drive
Bellefonte, PA 16823

RE: Park Station

Dear Doug:

Enclosed are the results of the samples submitted to our laboratory on January 17, 2020. For your reference, these analyses have been assigned our service request number P2000266.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:19 pm, Jan 29, 2020

For Kate Kaneko
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: McKee Environmental, Inc. (PA) Service Request No: P2000266
Project: Park Station

CASE NARRATIVE

The samples were received intact under chain of custody on January 17, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The reporting limit is elevated for samples PARK STATION VW-01 and PARK STATION VW-02. The chromatogram indicated the presence of high level of non-target background components. The samples were diluted in order to prevent damage to the instrument and to achieve optimal resolution of the target analyte(s).

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-006
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: McKee Environmental, Inc (PA) Service Request: P2000266
Project ID: Park Station

Date Received: 1/17/2020
Time Received: 09:15

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans
PARK STATION VW-01	P2000266-001	Air	1/10/2020	09:30	1SC01125	0.68	5.42	X
PARK STATION VW-02	P2000266-002	Air	1/10/2020	09:45	1SC00990	0.99	5.13	X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P2000266

Company Name & Address (Reporting Information)	Project Name	ALS Contact:	Analysis Method	
McKee Enviro	Park Station			
Project Manager: Doug McKee	Project Number			
Phone: (814) 390.7126 / Fax:	P.O. # / Billing Information			
Email Address for Result Reporting: doug.mckee@mckeenviro.com	Sampler (Print & Sign): DSM			

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	UNLEADED GAS VOCs		Comments e.g. Actual Preservative or specific instructions
Park Station VW-01		1/10/2020	0930	1SC01125		-30	-1.5	1.5	X		
Park Station VW-02		"	0945	1SC00990		-28	-3	1.5	X		

5 of 11

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
DSM	1/11/2020	1000		1-17-20	915
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C

ALS Environmental

Sample Acceptance Check Form

Client: McKee Environmental, Inc (PA) Work order: P2000266

Project: Park Station

Sample(s) received on: 1/17/20 Date opened: 1/17/20 by: DENISE.POSADA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☐	☒
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2000266-001.01	1.0 L Source Can					
P2000266-002.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **PARK STATION VW-01** ALS Project ID: P2000266
Client Project ID: **Park Station** ALS Sample ID: P2000266-001

Test Code: EPA TO-15 Date Collected: 1/10/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 1/17/20
Analyst: Wida Ang Date Analyzed: 1/23/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.00010 Liter(s)
Test Notes:
Container ID: 1SC01125

Initial Pressure (psig): 0.68 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.31

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	7,100	ND	2,000	
71-43-2	Benzene	ND	6,900	ND	2,200	
108-88-3	Toluene	ND	7,100	ND	1,900	
100-41-4	Ethylbenzene	ND	7,100	ND	1,600	
179601-23-1	m,p-Xylenes	ND	14,000	ND	3,300	
95-47-6	o-Xylene	ND	7,100	ND	1,600	
98-82-8	Cumene	ND	7,100	ND	1,400	
108-67-8	1,3,5-Trimethylbenzene	ND	6,900	ND	1,400	
95-63-6	1,2,4-Trimethylbenzene	ND	7,100	ND	1,400	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **PARK STATION VW-02** ALS Project ID: P2000266
Client Project ID: **Park Station** ALS Sample ID: P2000266-002

Test Code: EPA TO-15 Date Collected: 1/10/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 1/17/20
Analyst: Wida Ang Date Analyzed: 1/23/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.00025 Liter(s)
Test Notes:
Container ID: 1SC00990

Initial Pressure (psig): 0.99 Final Pressure (psig): 5.13

Canister Dilution Factor: 1.26

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	2,700	ND	760	
71-43-2	Benzene	ND	2,700	ND	840	
108-88-3	Toluene	ND	2,700	ND	720	
100-41-4	Ethylbenzene	ND	2,700	ND	630	
179601-23-1	m,p-Xylenes	ND	5,500	ND	1,300	
95-47-6	o-Xylene	ND	2,700	ND	630	
98-82-8	Cumene	ND	2,700	ND	550	
108-67-8	1,3,5-Trimethylbenzene	ND	2,700	ND	540	
95-63-6	1,2,4-Trimethylbenzene	ND	2,700	ND	550	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Method Blank** ALS Project ID: P2000266
Client Project ID: **Park Station** ALS Sample ID: P200122-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/22/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	0.54	ND	0.15	
71-43-2	Benzene	ND	0.53	ND	0.17	
108-88-3	Toluene	ND	0.54	ND	0.14	
100-41-4	Ethylbenzene	ND	0.54	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
95-47-6	o-Xylene	ND	0.54	ND	0.12	
98-82-8	Cumene	ND	0.54	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.54	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **McKee Environmental, Inc (PA)**
Client Project ID: **Park Station** ALS Project ID: P2000266

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 1/10/20
Analyst: Wida Ang Date(s) Received: 1/17/20
Sample Type: 1.0 L Summa Canister(s) Date(s) Analyzed: 1/22 - 1/23/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200122-MB	**101**	**101**	**99**	70-130	
Lab Control Sample	P200122-LCS	**97**	**101**	**106**	70-130	
PARK STATION VW-01	P2000266-001	**91**	**101**	**105**	70-130	
PARK STATION VW-02	P2000266-002	**94**	**99**	**103**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2000266
Client Project ID: **Park Station** ALS Sample ID: P200122-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/22/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	214	**149**	**70**	57-131	
71-43-2	Benzene	210	**188**	**90**	66-109	
108-88-3	Toluene	212	**205**	**97**	67-113	
100-41-4	Ethylbenzene	212	**216**	**102**	65-117	
179601-23-1	m,p-Xylenes	426	**425**	**100**	64-121	
95-47-6	o-Xylene	214	**214**	**100**	64-120	
98-82-8	Cumene	214	**214**	**100**	64-121	
108-67-8	1,3,5-Trimethylbenzene	212	**212**	**100**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**224**	**106**	63-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

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T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

April 2, 2020

Doug McKee
McKee Environmental, Inc. (PA)
86 Quartz Drive
Bellefonte, PA 16823

RE: Parks Station

Dear Doug:

Enclosed are the results of the samples submitted to our laboratory on March 20, 2020. For your reference, these analyses have been assigned our service request number P2001607.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

Kate Kaneko
Apr 02, 2020, 4:42 pm

Kate Kaneko
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: McKee Environmental, Inc. (PA) Service Request No: P2001607
Project: Parks Station

CASE NARRATIVE

The samples were received intact under chain of custody on March 20, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

Samples Parks VW1 and Parks VW2 required a dilution due to the presence of elevated levels of hydrocarbons as non-target analytes. The reporting limits are adjusted to reflect the dilution.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

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Simi Valley, CA 93065
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www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-007
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: McKee Environmental, Inc (PA) Service Request: P2001607
Project ID: Parks Station

Date Received: 3/20/2020
Time Received: 09:15

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans
Parks VW1	P2001607-001	Air	3/12/2020	14:00	1SC00702	-0.31	6.90	X
Parks VW2	P2001607-002	Air	3/12/2020	13:30	1SC00836	0.18	6.03	X

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P2001607

Company Name & Address (Reporting Information)	Project Name	ALS Contact:
McKEE ENVIRO	PARK'S STATION	**Analysis Method**
Project Manager: DOUG McKEE	Project Number	
Phone: 814.380.7126 / Fax:	P.O. # / Billing Information	
Email Address for Result Reporting: dougmckee13@gmail.com	Sampler (Print & Sign)	

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	UNLEADED GAS VOC's (SAME LIST AS PREVIOUS)		Comments e.g. Actual Preservative or specific instructions
Parks VW1		3-12-20	2:40	ISC00702	0A02169	-30	0	1L	X		
Parks VW2		3-12-20	1:30	ISC00836	0A051515	-20	0	1L	X		

5 of 11

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/14/20	1030		3/14/20	915
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: McKee Environmental, Inc (PA) Work order: P2001607

Project: Park Station

Sample(s) received on: 3/20/2020 Date opened: 3/20/2020 by: DENISE.POSADA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2001607-001.01	1.0 L Source Can					
P2001607-002.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Parks VW1** ALS Project ID: P2001607
Client Project ID: **Parks Station** ALS Sample ID: P2001607-001

Test Code: EPA TO-15 Date Collected: 3/12/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/20/20
Analyst: Wida Ang Date Analyzed: 3/31/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.00020 Liter(s)
Test Notes:
Container ID: 1SC00702

Initial Pressure (psig): -0.31 Final Pressure (psig): 6.90

Canister Dilution Factor: 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	4,100	ND	1,100	
71-43-2	Benzene	**4,100**	4,000	**1,300**	1,200	
108-88-3	Toluene	ND	4,100	ND	1,100	
100-41-4	Ethylbenzene	ND	4,100	ND	930	
179601-23-1	m,p-Xylenes	ND	8,300	ND	1,900	
95-47-6	o-Xylene	ND	4,100	ND	930	
98-82-8	Cumene	ND	4,100	ND	820	
108-67-8	1,3,5-Trimethylbenzene	ND	4,000	ND	810	
95-63-6	1,2,4-Trimethylbenzene	ND	4,100	ND	820	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Parks VW2** ALS Project ID: P2001607
Client Project ID: **Parks Station** ALS Sample ID: P2001607-002

Test Code: EPA TO-15 Date Collected: 3/12/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/20/20
Analyst: Wida Ang Date Analyzed: 3/31/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.010 Liter(s)
Test Notes:
Container ID: 1SC00836

Initial Pressure (psig): 0.18 Final Pressure (psig): 6.03

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	75	ND	21	
71-43-2	Benzene	ND	74	ND	23	
108-88-3	Toluene	ND	75	ND	20	
100-41-4	Ethylbenzene	ND	75	ND	17	
179601-23-1	m,p-Xylenes	ND	150	ND	35	
95-47-6	o-Xylene	ND	75	ND	17	
98-82-8	Cumene	ND	75	ND	15	
108-67-8	1,3,5-Trimethylbenzene	ND	74	ND	15	
95-63-6	1,2,4-Trimethylbenzene	ND	75	ND	15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Method Blank** ALS Project ID: P2001607
Client Project ID: **Parks Station** ALS Sample ID: P200331-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/31/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	ND	0.54	ND	0.15	
71-43-2	Benzene	ND	0.53	ND	0.17	
108-88-3	Toluene	ND	0.54	ND	0.14	
100-41-4	Ethylbenzene	ND	0.54	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
95-47-6	o-Xylene	ND	0.54	ND	0.12	
98-82-8	Cumene	ND	0.54	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.54	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **McKee Environmental, Inc (PA)**
Client Project ID: **Parks Station** ALS Project ID: P2001607

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 3/12/20
Analyst: Wida Ang Date(s) Received: 3/20/20
Sample Type: 1.0 L Summa Canister(s) Date(s) Analyzed: 3/31/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200331-MB	**96**	**102**	**113**	70-130	
Lab Control Sample	P200331-LCS	**92**	**101**	**117**	70-130	
Parks VW1	P2001607-001	**87**	**101**	**112**	70-130	
Parks VW2	P2001607-002	**92**	**100**	**113**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

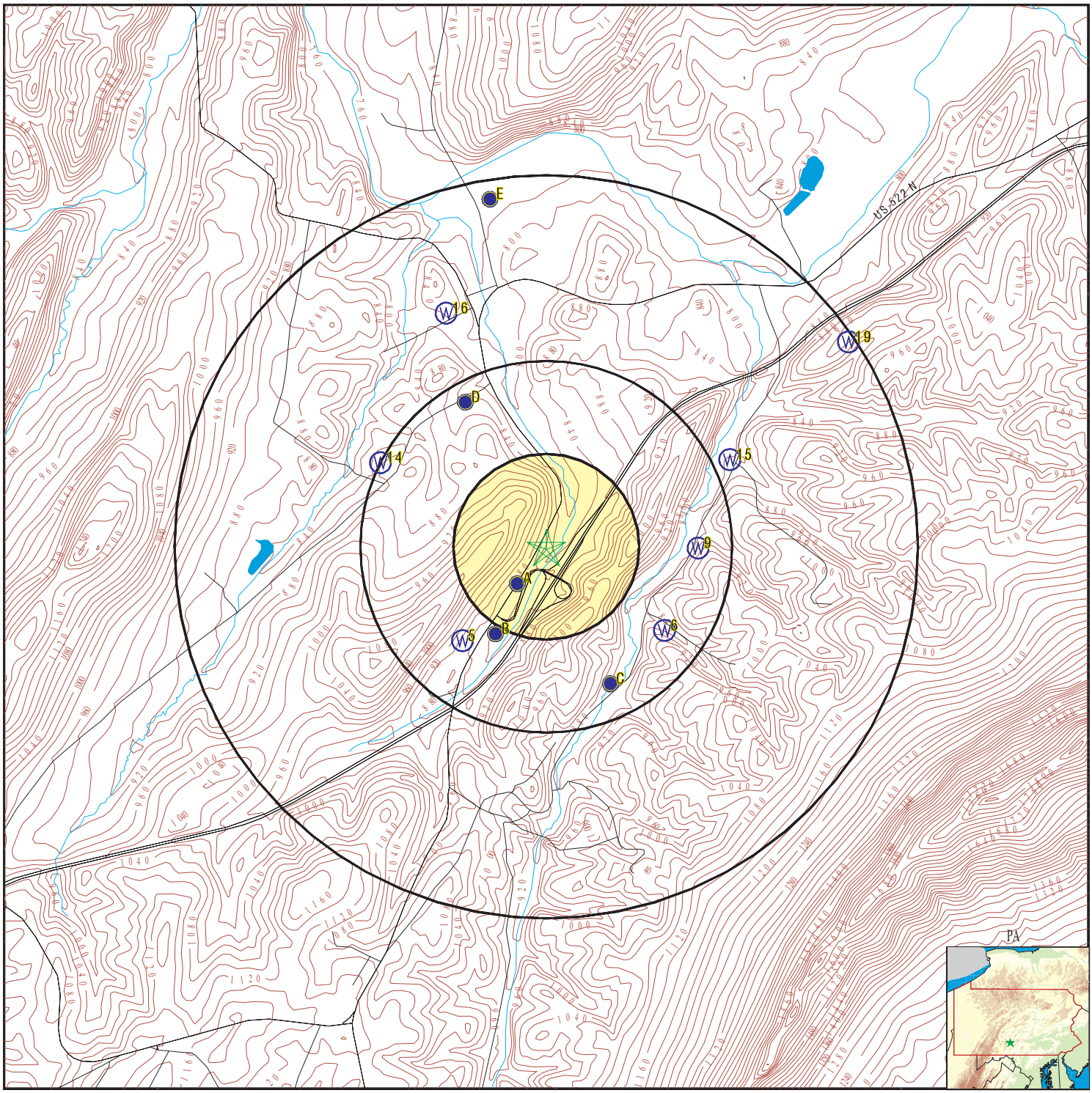
Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2001607
Client Project ID: **Parks Station** ALS Sample ID: P200331-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/31/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
1634-04-4	Methyl tert-Butyl Ether	214	**155**	**72**	57-131	
71-43-2	Benzene	210	**197**	**94**	66-109	
108-88-3	Toluene	212	**220**	**104**	67-113	
100-41-4	Ethylbenzene	212	**232**	**109**	65-117	
179601-23-1	m,p-Xylenes	426	**458**	**108**	64-121	
95-47-6	o-Xylene	214	**231**	**108**	64-120	
98-82-8	Cumene	214	**234**	**109**	64-121	
108-67-8	1,3,5-Trimethylbenzene	212	**229**	**108**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**238**	**112**	63-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

PHYSICAL SETTING SOURCE MAP - 5606265.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME:	Parks Station	CLIENT:	McKee Environmental, Inc.
ADDRESS:	29558 Great Cove Road Fort Littleton PA 17223	CONTACT:	Doug Mckee
LAT/LONG:	40.052919 / 77.959652	INQUIRY #:	5606265.2s
		DATE:	April 01, 2019 10:58 am

Areas POI - General
Military L
Hospital/
Correctic
School or
Church
Shopping
Zoo/Amu
Governm
Stadium/
Golf Cour
Cemetery
Boundaries
Zip Cod
DEP Reg
County
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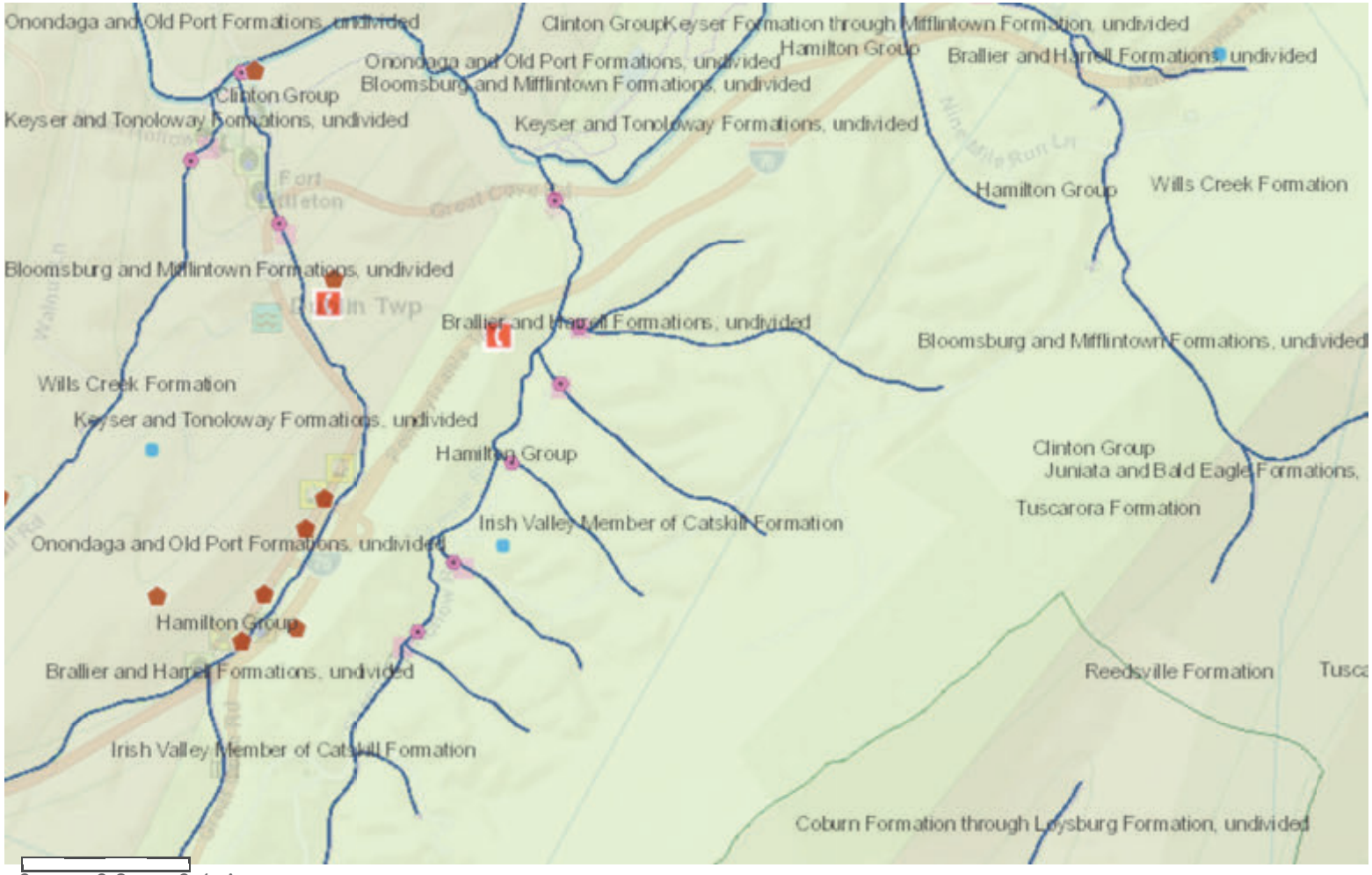
Census
Urbaniz
Urbaniz

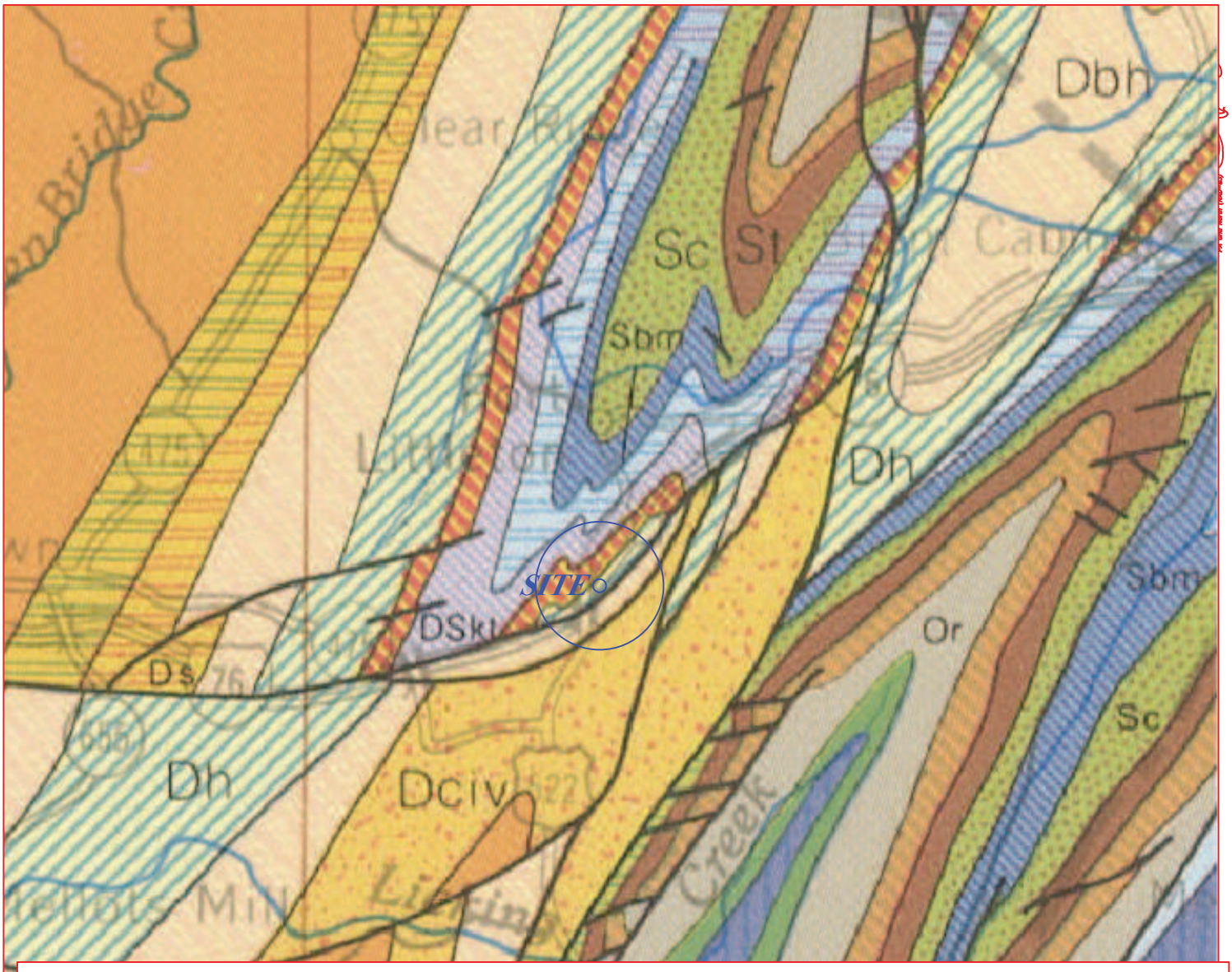
Map | eFacts Query | Advanced Query

ESRI Streets & Imagery | Topographic | National Geographic

Streets Imagery



Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; ESRI Streets: Sources USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User C



Dh

HAMILTON GROUP

Dmh

MAHANTANGO FORMATION

Gray, brown, and olive shale and siltstone; marine fossils. Includes following members, in descending order: Tully—limestone or calcareous shale; Sherman Ridge, Montebello (sandstone), Fisher Ridge, Dalmatia, and Turkey Ridge. In south-central Pennsylvania, includes Clearville, Frame, Chaneysville, and Gander Run Members. Characterized by coarsening-upward cycles.

Dm

MARCELLUS FORMATION

Black, carbonaceous shale; sparse marine fauna and siderite concretions. Contains local limestone ("Purcell") member. Tioga bentonite included at base in eastern Pennsylvania.

FIGURE 3

SITE GEOLOGIC MAP

SCHUYLKILL HAVEN,
PENNSYLVANIA
SCHUYLKILL COUNTY

McKee Environmental, Inc.

SITE CHARACTERIZATION

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PENNSYLVANIA

National Flood Hazard Layer FIRMette

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/30/2019 at 9:54:31 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service

National Wetlands Inventory

Wetlands

March 31, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Established Series
Rev. JCJ
11/2007

MELVIN SERIES

The Melvin series consists of very deep, poorly drained soils formed in silty alluvium on flood plains and in upland depressions. Slopes range from 0 to 2 percent.

TAXONOMIC CLASS: Fine-silty, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts

TYPICAL PEDON: Melvin silt loam--cultivated. (Colors are for moist soils unless otherwise stated.)

Ap--0 to 9 inches; dark grayish brown (10YR 4/2) silt loam; weak fine granular structure; very friable; common fine and medium roots; common medium distinct yellowish brown (10YR 5/6) masses as iron accumulations; common medium distinct light brownish gray (10YR 6/2) iron depletions; slightly alkaline; clear smooth boundary. (5 to 10 inches thick)

Bg1--9 to 20 inches; light brownish gray (10YR 6/2) silt loam; weak medium subangular blocky structure; firm; common fine and and medium roots; common fine distinct yellowish brown (10YR 5/8) masses as iron accumulations; moderately acid; gradual wavy boundary.

Bg2--20 to 30 inches; light brownish gray (10YR 6/2) silt loam; moderate medium subangular blocky structure; firm; few fine and medium roots; common medium distinct yellowish brown (10YR 5/6) and common medium faint pale brown (10YR 6/3) masses as iron accumulations; moderately acid; gradual wavy boundary. (Bg is 10 to 30 inches thick)

Cg--30 to 62 inches; light brownish gray (10YR 6/2) silt loam; massive; firm; few irregularly shaped black (10YR 2/1) manganese and iron concretions; common fine distinct yellowish brown (10YR 5/6) masses as iron accumulations; moderately acid. (10 to 45 inches thick)

TYPE LOCATION: Livingston County, Kentucky; 1.42 miles southwest of Iuka; 1.13 miles southwest of the intersection of KY Highway 93 and Jake Dukes Road, 2,185 feet south of intersection of Corinth Church Road and Jake Dukes Road; 300 feet east of Corinth Church Road in field. USGS Quad: Grand Rivers; Latitude: (37 degrees, 4 minutes, 6 seconds N); Longitude: (88 degrees, 14 minutes, 47 seconds W).

RANGE IN CHARACTERISTICS: Depth to bedrock is 60 or more inches.. Coarse fragments, mostly rounded pebbles, ranges from 0 to 5 percent to a depth of 30 inches and below this depth individual subhorizons can range from 0 to 20 percent by volume. Content of iron and manganese concretions ranges from 0 to 2 percent throughout. Reaction ranges from moderately acid to mildly alkaline throughout the profile. A few flakes of mica are in some pedons.

The Ap and A horizon have hue of 10YR to 5Y, value of 3 to 7, and chroma of 1 to 4. Texture is a silt loam, loam, fine sandy loam, or silty clay loam.

The Bg horizon has hue of 10YRto 5Y or is neutral, value of 4 to 7, and chroma of 2 or less. Redoximorphic features in shades of brown, black, and red range from none to common. Texture is silt loam or silty clay

LOCATION NOLLVILLE WV+MD PA

Established Series
JWB-ART
10/2005

NOLLVILLE SERIES

The Nollville series consists of deep, well drained, moderately permeable soils formed in residual materials derived from argillaceous limestone and limy shale. Nollville soils are on convex upland ridges of low relief. Slopes range from 3 to 35 percent. The mean annual precipitation is about 38 inches and the mean annual temperature is about 53 degrees F.

TAXONOMIC CLASS: Fine-loamy, mixed, semiactive, mesic Typic Hapludalfs

TYPICAL PEDON: Nollville channery silt loam on an 11 percent west-facing convex sideslope in a hayfield.

Ap--0 to 10 inches; dark yellowish brown (10YR 4/4) channery silt loam; moderate fine and medium granular structure; friable; common very fine to medium roots; 20 percent shale channers; neutral; abrupt smooth boundary (6 to 12 inches thick).

Bt1--10 to 20 inches; yellowish brown (10YR 5/8) channery silty clay loam with few streaks and pockets of strong brown (7.5YR 5/6); moderate fine and medium subangular blocky structure; friable; slightly sticky, slightly plastic; few very fine and fine roots; few patchy clay films on faces of peds and in pores; few black iron-manganese stains on faces of peds and shale fragments; 20 percent shale channers; neutral; clear wavy boundary.

Bt2--20 to 29 inches; yellowish brown (10YR 5/8) silty clay loam with common streaks and pockets of strong brown (7.5YR 5/6); moderate fine and medium subangular blocky structure; friable; slightly sticky, slightly plastic; few very fine and fine roots; common discontinuous clay films on faces of ped and in pores; few black iron-manganese stains on faces of peds and shale fragments; 5 percent shale channers; neutral; clear wavy boundary.

Bt3--29 to 41 inches; strong brown (7.5YR 5/6) silty clay with few streaks and pockets of yellowish brown (10YR 5/8); weak medium prismatic parting to moderate medium subangular blocky structure; friable; sticky and plastic; many continuous clay films on faces of peds and in pores; few black iron-manganese stains on faces of peds and on shale fragments; 5 percent shale channers; slightly acid; clear wavy boundary (combined thickness of the Bt is 20 to 45 inches).

C--41 to 57 inches; strong brown (7.5YR 5/6) very channery silty clay loam with common streaks and pockets of brownish yellow (10YR 6/8); massive; friable; slightly sticky, slightly plastic; few patchy clay films on shale fragments; few black iron-manganese stains on shale fragments; 55 percent shale channers; slightly acid; abrupt wavy boundary (0 to 20 inches thick).

R--57 inches; slightly weathered, fractured and tilted, interbedded limestone and limy shale.

TYPE LOCATION: Berkeley County, West Virginia; about 400 feet east of county route 16 and 1 mile north of the intersection of county routes 15 and 16, near Nollville. USGS Tablers Station topographic

LOCATION WURNO VA+KY

Established Series
Rev. DDR,MHC
10/98

WURNO SERIES

Soils of the Wurno series are moderately deep and well drained with moderate permeability. They formed in the weathered products of shale, interbedded with thin layers of limestone on uplands. Slopes range from 0 to 75 percent. Mean annual precipitation is about 40 inches and mean annual temperature is about 54 degrees F.

TAXONOMIC CLASS: Loamy-skeletal, mixed, semiactive, mesic Dystric Eutrudepts

TYPICAL PEDON: Wurno silt loam - under bluegrass pasture; on a SSW- facing 4 percent slope ridgetop. Elevation 2,120 feet. (Colors are for moist soil unless otherwise stated.)

Ap--0 to 8 inches; yellowish brown (1OYR 5/4) silt loam; moderate fine granular structure; friable, slightly sticky and slightly plastic; common fine and very fine roots; common very fine pores; 5 percent shale and sandstone fragments less than 1 inch across; mildly alkaline; abrupt smooth boundary. (0 to 9 inches thick)

Bw--8 to 14 inches; brownish yellow (1OYR 6/6) very channery silty clay loam; moderate fine and very fine subangular blocky structure; friable, slightly sticky and slightly plastic; few very fine roots; common very fine pores; many yellowish brown (1OYR 5/6) ped coatings; 40 percent olive yellow (2.5Y 6/8) angular shale fragments less than 3 inches across; mildly alkaline; abrupt wavy boundary. (4 to 20 inches thick)

C--14 to 21 inches; brownish yellow (1OYR 6/6) extremely channery silt loam in cracks and crevices and between bedding planes; rock controlled structure; few very fine roots; 75 percent light yellowish brown (2.5Y 6/4) shale fragments; mildly alkaline; abrupt irregular boundary. (3 to 11 inches thick)

Cr--21 to 27 inches light yellowish brown (2.5Y 6/4) shale that can be dug with spade; few very fine roots in rock crevices; abrupt smooth boundary. (0 to 9 inches thick)

R--27 inches; rippable shale.

TYPE LOCATION: Pulaski County, Virginia; about 3/4 miles south of Newbern, Virginia; on VA-643, 100 yards NNE of road.

RANGE IN CHARACTERISTICS: Solum thickness is 10 to 30 inches and depth to lithic or paralithic contact is 20 to 40 inches. Shale fragments range from 5 to 90 percent by volume in individual horizons of the A and Bw horizons, 35 to 90 percent in the C horizon, and average over 35 percent in the particle-size control section. Shale fragment content increases with depth. The soil is very strongly acid through mildly alkaline in the solum and neutral through mildly alkaline in the substratum.

The A horizon has hue of 7.5YR through 2.5Y, value of 3 through 5, and chroma of 2 through 4. It is silt loam or loam .

The B horizon has hue of 7.5YR through 2.5Y, value of 4 through 6, and chroma of 3 through 8. It is silt loam or silty clay loam in the fine earth fraction.

Tom Wolf, Governor Patrick McDo

PA AUL Registry

PA Activity and Use Limitations Registry

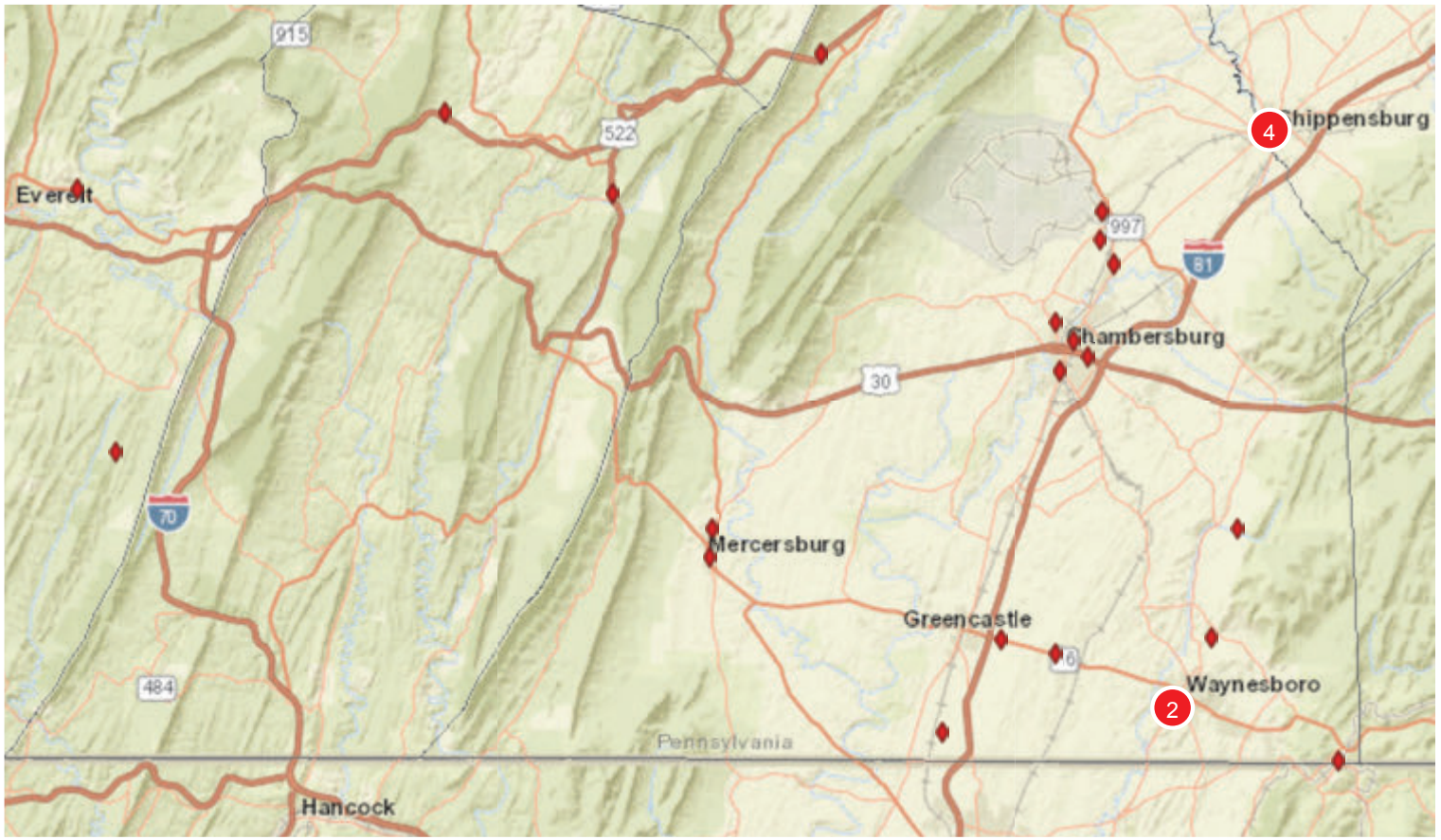
Tasks | Leg

What do you want to do?

- Show Getting Started wi
- Show Disclaimer
- Search for Activity and
- Locate on Map
- Buffer Tools
- Measurement
- Print
- PA UECA Info

ESRI Streets & Imagery | Topographic | National Geographic

Streets | Imagery

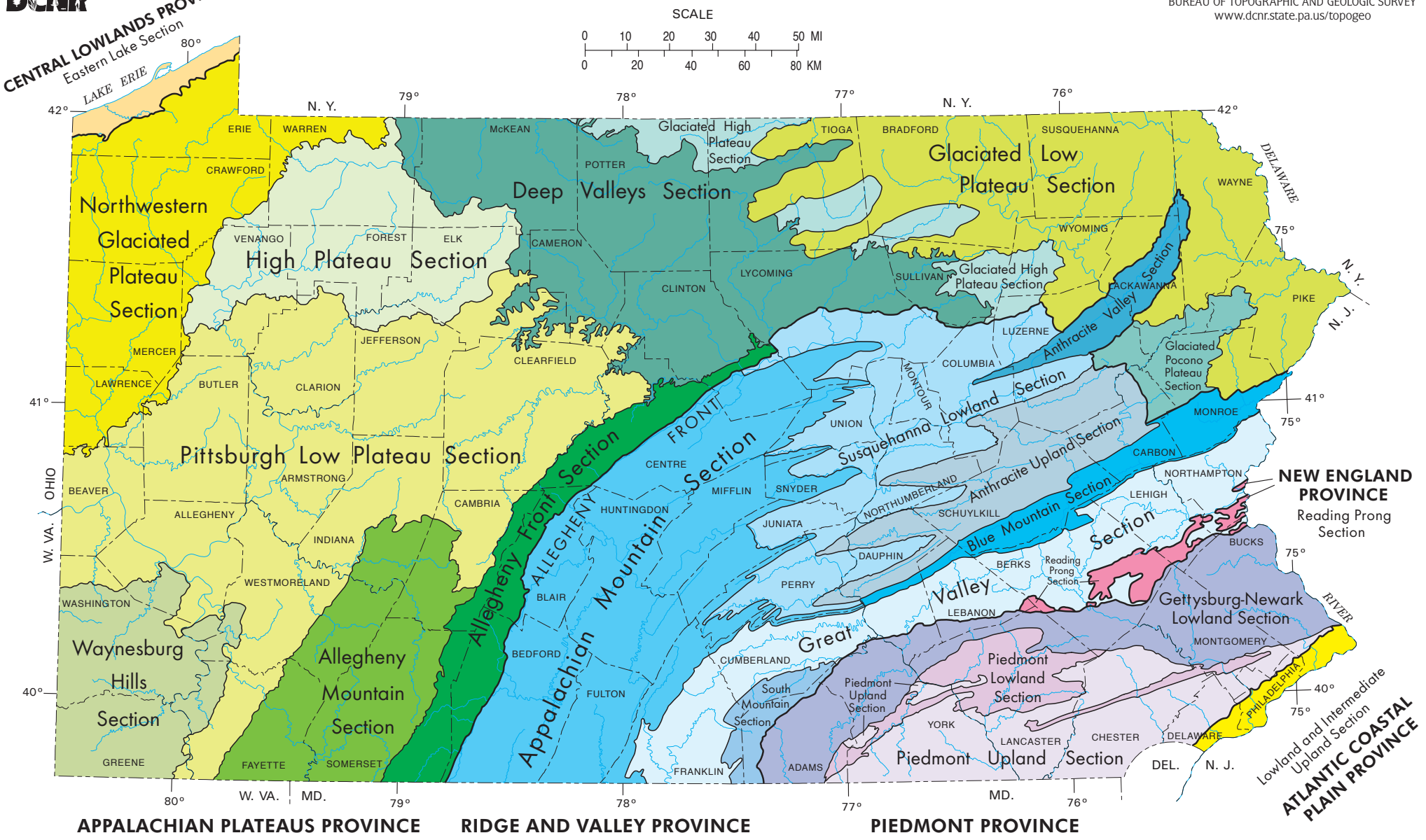


Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; ESRI Streets: S
INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

MAP 13

PHYSIOGRAPHIC PROVINCES OF PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
CONSERVATION AND NATURAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY
www.dcnr.state.pa.us/topogeo



EXPLANATION

CENTRAL LOWLANDS PROVINCE
- Eastern Lake Section

APPALACHIAN PLATEAUS PROVINCE
- Northwestern Glaciated Plateau Section
- High Plateau Section
- Pittsburgh Low Plateau Section
- Waynesburg Hills Section
- Allegheny Mountain Section
- Allegheny Front Section
- Deep Valleys Section
- Glaciated High Plateau Section
- Glaciated Low Plateau Section
- Glaciated Pocono Plateau Section

RIDGE AND VALLEY PROVINCE
- Appalachian Mountain Section
- Susquehanna Lowland Section
- Anthracite Valley Section
- Anthracite Upland Section
- Blue Mountain Section
- Great Valley Section
- South Mountain Section

NEW ENGLAND PROVINCE
- Reading Prong Section

PIEDMONT PROVINCE
- Gettysburg-Newark Lowland Section
- Piedmont Lowland Section
- Piedmont Upland Section

ATLANTIC COASTAL PLAIN PROVINCE
- Lowland and Intermediate Upland Section

SYMBOLS
- Approximate boundary between physiographic provinces
- Approximate boundary between physiographic sections

Compiled by W. D. Sevon. Fourth Edition, 2000.

PHYSIOGRAPHIC PROVINCES OF PENNSYLVANIA

PHYSIOGRAPHIC PROVINCE	PHYSIOGRAPHIC SECTION	DOMINANT TOPOGRAPHIC FORM	LOCAL RELIEF[1]	UNDERLYING ROCK TYPE	GEOLOGIC STRUCTURE	APPROXIMATE ELEVATION[2] Min.	Max.	DRAINAGE PATTERN	BOUNDARIES	ORIGIN
CENTRAL LOWLANDS	Eastern Lake	Northwest-sloping, lake-parallel, low-relief ridges.	Very low to low.	Shale and siltstone.	Beds either horizontal or having low south dip.	570	1,000	Parallel.	*Northwest:* Lake Erie. *Southeast:* Base of escarpment.	Glacial, lake, and fluvial deposition and erosion.
APPALACHIAN PLATEAUS	Northwestern Glaciated Plateau	Broad, rounded upland and deep, steep-sided, linear valleys partly filled with glacial deposits.	Very low to moderate.	Shale, siltstone, and sandstone.	Subhorizontal beds.	900	2,200	Dendritic.	*Northwest:* Base of escarpment. *Southeast:* Glacial border.	Fluvial and glacial erosion; glacial deposition.
	High Plateau	Broad, rounded to flat uplands having deep, angular valleys.	Moderate to high.	Sandstone, siltstone, shale, and conglomerate; some coal.	Low-amplitude, open folds.	980	2,360	Dendritic.	*Northwest:* Glacial border. *Northeast:* Margins of deep valleys. *South:* Arbitrary along drainage divides between coal and noncoal areas.	Fluvial erosion; periglacial mass wasting.
	Pittsburgh Low Plateau	Smooth to irregular, undulating surface; narrow, relatively shallow valleys; strip mines and reclaimed land.	Low to moderate.	Shale, siltstone, sandstone, limestone, and coal.	Moderate- to low-amplitude, open folds, decreasing in occurrence northwestward.	660	2,340	Dendritic.	*Northwest:* Glacial border. *Elsewhere:* Arbitrary at topographic changes with adjacent sections.	Fluvial erosion; periglacial mass wasting; strip mining.
	Waynesburg Hills	Very hilly with narrow hilltops and steep-sloped, narrow valleys.	Moderate.	Sandstone, shale, red beds, and limestone.	Horizontal beds.	848	1,638	Dendritic.	Arbitrary at change of topography.	Fluvial erosion and landslides.
	Allegheny Mountain	Wide ridges separated by broad valleys; ridge elevations decrease to north.	Moderate to high.	Sandstone, siltstone, shale, and conglomerate; some limestone and coal.	Large-amplitude, open folds.	775	3,210	Dendritic.	*East:* Arbitrary between coal and noncoal areas. *West:* Base of west flank of Chestnut Ridge. *North:* Approximates northeast terminus of large-amplitude, open folds.	Fluvial erosion; some periglacial mass wasting.
	Allegheny Front	*East:* Rounded to linear hills rising by steps to an escarpment; hills cut by narrow valleys. *West:* Undulating hills sloping away from escarpment.	Moderate to high.	Shale, siltstone, and sandstone.	*South:* Broad fold. *Elsewhere:* Beds having low northwest dip; some faults.	540	2,980	Parallel and trellis.	*East:* Stream at base of hills below escarpment. *West:* Arbitrary between coal and noncoal areas.	Fluvial erosion; periglacial mass wasting.
	Deep Valleys	Very deep, angular valleys; some broad to narrow uplands.	Moderate to very high.	Sandstone, siltstone, shale, and conglomerate.	Moderate-amplitude, open folds that control valley orientations.	560	2,560	Angulate and rectangular.	Arbitrary at margins of deep valleys, either at top of valley slope or along drainage divide.	Fluvial erosion; periglacial mass wasting.
	Glaciated High Plateau	Broad to narrow, rounded to flat, elongate uplands and shallow valleys.	Low to high.	Sandstone, siltstone, shale, and conglomerate; some coal.	Moderate-amplitude, open folds.	620	2,560	Angulate and dendritic.	*East:* Base of escarpment. *Elsewhere:* Arbitrary with margins of deep valleys.	Fluvial and glacial erosion; glacial deposition.
	Glaciated Low Plateau	Rounded hills and valleys.	Low to moderate.	Sandstone, siltstone, and shale.	Low-amplitude folds.	440	2,690	Dendritic.	Base of escarpments of adjacent uplands; base of Pocono escarpment. *Elsewhere:* Arbitrary.	Fluvial and glacial erosion; glacial deposition.
	Glaciated Pocono Plateau	Broad, undulatory upland surface having dissected margins.	Low to moderate.	Sandstone, siltstone, and shale; some conglomerate.	Beds having low north dip; some small folds.	1,200	2.320	Deranged.	*South and east:* Base of Pocono escarpment. *North:* Crest of drainage divide. *West:* Arbitrary.	Fluvial and glacial erosion; glacial deposition.
RIDGE AND VALLEY	Appalachian Mountain	Long, narrow ridges and broad to narrow valleys; some karst.	Moderate to very high.	Sandstone, siltstone, shale, conglomerate, limestone, and dolomite.	Open and closed plunging folds having narrow hinges and planar limbs; variety of faults.	440	2,775	Trellis, angulate, and some karst.	*Southeast:* Base of slope change on southeast side of Blue Mountain. *West and northwest:* Center of valley bottom west of westernmost linear ridge. *Elsewhere:* Base of slope change of eastern ridges; arbitrary between ridges.	Fluvial erosion; solution of carbonate rocks; periglacial mass wasting.
	Susquehanna Lowland	Low to moderately high, linear ridges; linear valleys; Susquehanna River valley.	Low to moderate.	Sandstone, siltstone, shale, conglomerate, limestone, and dolomite.	Open and closed plunging folds having narrow hinges and planar limbs.	260	1,715	Trellis and angulate.	Base of slope change to higher ridges of all surrounding areas; arbitrary in valley areas.	Fluvial erosion; some glacial erosion and deposition in northeast.
	Anthracite Valley	Narrow to wide, canoe-shaped valley having irregular to linear hills; valley enclosed by steep-sloped mountain rim.	Low to moderate.	Sandstone, siltstone, conglomerate, and anthracite.	Broad, doubly-plunging syncline; faults and smaller folds.	500	2,368	Trellis and parallel.	Outer base of surrounding mountain.	Fluvial and glacial erosion; some glacial deposition.
	Anthracite Upland	Upland surface having low, linear to rounded hills, strip mines, and waste piles; upland surrounded by an escarpment, a valley, and a mountain rim.	Low to high.	Sandstone, shale, conglomerate, and anthracite.	Many narrow folds having steep limbs; many faults.	320	2,094	Trellis.	*Northeast:* Arbitrary between coal and noncoal areas. *Elsewhere:* Outer base of surrounding mountain.	Fluvial erosion; some glacial erosion and periglacial mass wasting.
	Blue Mountain	Linear ridge to south and valley to north; valley widens eastward and includes low linear ridges and shallow valleys.	Moderate to high.	Sandstone, siltstone, and shale; some limestone and conglomerate.	*Southwest:* South limb of broad fold. *Northeast:* Small folds north of Blue Mountain.	300	1,680	Trellis.	*Southeast:* Base of slope change on southeast side of Blue Mountain. *Northwest:* Base of mountain; base of Pocono escarpment. *Northeast:* Arbitrary.	Fluvial erosion; some glacial erosion and deposition in northeast.
	Great Valley	Very broad valley. *Northwest half:* Dissected upland. *Southeast half:* Low karst terrain.	Low to moderate.	*Northwest:* Shale and sandstone; slate at east end. *Southeast:* Limestone and dolomite.	Thrust sheets, nappes, overturned folds, and steep faults; many third- and fourth-order folds.	140	1,100	Dendritic and karst.	*North:* Base of slope change on southeast side of Blue Mountain. *South:* Base of slope change to adjacent uplands.	Fluvial erosion; solution of carbonate rocks; some periglacial mass wasting.
	South Mountain	Linear ridges, deep valleys, and flat uplands.	Moderate to high.	Metavolcanic rocks, quartzite, and some dolomite.	Major anticlinorium having many second- and third-order folds.	450	2,080	Dendritic.	Base of slope change to adjacent lowlands.	Fluvial erosion of highly variable rocks; some periglacial mass wasting.
NEW ENGLAND	Reading Prong	Circular to linear, rounded hills and ridges.	Moderate.	Granitic gneiss, granodiorite, and quartzite.	Multiple nappes.	140	1,364	Dendritic.	Base of slope change to adjacent lowlands.	Fluvial erosion; some periglacial mass wasting.
PIEDMONT	Gettysburg-Newark Lowland	Rolling lowlands, shallow valleys, and isolated hills.	Low to moderate.	Mainly red shale, siltstone, and sandstone; some conglomerate and diabase.	Half-graben having low, monoclinal, northwest-dipping beds.	20	1,355	Dendritic and trellis.	Base of slope changes with adjacent uplands and lowlands. *Elsewhere:* Arbitrary.	Fluvial erosion of rocks of variable resistance.
	Piedmont Lowland	Broad, moderately dissected, karst valleys separated by broad, low hills.	Low.	Dominantly limestone and dolomite; some phyllitic shale and sandstone.	Complexly folded and faulted.	60	700	Dendritic and karst.	*South:* Base of slope change to adjacent upland. *North:* Mesozoic red rocks.	Fluvial erosion; some periglacial mass wasting.
	Piedmont Upland	Broad, rounded to flat-topped hills and shallow valleys.	Low to moderate.	Mainly schist, gneiss, and quartzite; some saprolite.	Extremely complexly folded and faulted.	100	1,220	Dendritic.	*East:* Base of low to vague Fall Line escarpment. *North:* Base of slope change to adjacent lowlands.	Fluvial erosion; some periglacial mass wasting.
ATLANTIC COASTAL PLAIN	Lowland and Intermediate Upland	Flat upper terrace surface cut by shallow valleys; Delaware River floodplain.	Very low.	Unconsolidated to poorly consolidated sand and gravel; underlain by schist, gneiss, and other metamorphic rocks.	Unconsolidated deposits underlain by complexly folded and faulted rocks.	0	200	Dendritic.	*Northwest:* Base of low to vague Fall Line escarpment. *East:* Arbitrary.	Fluvial erosion and deposition.

[1]Local relief: 0 to 100 feet, very low; 101 to 300 feet, low; 301 to 600 feet, moderate; 601 to 1,000 feet, high; >1,000 feet, very high.
(Relief categories listed here for Pennsylvania do not necessarily apply to other states or countries.)
[2]Elevations are in feet.

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Search

Map Unit Legend

Fulton County, Pennsylvania (PA057)

Fulton County, Pennsylvania (PA057)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
Me	Melvin silt loam	0.3	24.4%
WuD	Wurno-Nollville channery silt loams, 15 to 25 percent slopes	0.8	75.6%
Totals for Area of Interest		**1.1**	**100.0%**

Soil Map

Scale (not to scale)

Warning: Soil Map may not be valid at this scale.

You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surveys that comprise your AOI were mapped at 1:24,000. The design of map units and the level of detail shown in the resulting soil map are dependent on that map scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Map Scale: 1:696 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fulton County, Pennsylvania
Survey Area Data: Version 15, Sep 19, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 23, 2010—Mar 10, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Me	Melvin silt loam	0.3	24.4%
WuD	Wurno-Nollville channery silt loams, 15 to 25 percent slopes	0.8	75.6%
Totals for Area of Interest		**1.1**	**100.0%**

PAWellID	County	Municipality	QuadName	WellAddress	WellZipCode	DateDrilled	TypeOfActivi	LatitudeDD	LongitudeDD
534691	FULTON	DUBLIN TWP				12/29/06	NEW WELL	40.06303	-77.96322
672879	FULTON	DUBLIN TWP		475 Sheepski	17223	12/26/18	NEW WELL	40.04128	-77.96432
362347	FULTON	DUBLIN TWP		5907 BANO I		12/26/91			
362414	FULTON	DUBLIN TWP		PO BOX 429		12/20/01			
633448	FULTON	DUBLIN TWP		3404 NORTH	17229	12/15/15	YIELD ENHAN	40.0889	-77.99501
534974	FULTON	DUBLIN TWP				12/15/08	NEW WELL	40.07641	-77.96375
480637	FULTON	DUBLIN TWP		270 Country I	17233	12/14/11	NEW WELL	40.003	-77.99139
534695	FULTON	DUBLIN TWP				12/12/07	NEW WELL	40.05553	-77.94933
362399	FULTON	DUBLIN TWP		280 SHEEPSK		12/8/98			
362356	FULTON	DUBLIN TWP		HCR 75 BOX		12/7/93			
362417	FULTON	DUBLIN TWP		30437 GREAT		12/6/01			
362346	FULTON	DUBLIN TWP		BOX 2133 17		12/5/91			
362397	FULTON	DUBLIN TWP		BOX 35 BURI		12/3/98			
362336	FULTON	DUBLIN TWP		FORT LITTLE		12/1/90			
20782	FULTON	DUBLIN TWP	BURNT CABI			12/1/77		40.09639	-77.9575
20782	FULTON	DUBLIN TWP	BURNT CABI			12/1/77		40.09639	-77.9575
362413	FULTON	DUBLIN TWP		969 FORBES		11/30/01			
362363	FULTON	DUBLIN TWP		RD 1 BOX 47		11/25/94			
362371	FULTON	DUBLIN TWP		PO BOX 4 BU		11/22/95			
534690	FULTON	DUBLIN TWP				11/20/06	NEW WELL	40.03431	-78.02357
362419	FULTON	DUBLIN TWP		17676 SHEEP		11/19/02			
362383	FULTON	DUBLIN TWP		HCR 75 BOX		11/19/96			
362403	FULTON	DUBLIN TWP		1501 PHILLIP		11/18/99			
362398	FULTON	DUBLIN TWP		RT 1 BOX 28		11/18/98			
362411	FULTON	DUBLIN TWP		RD 1 BOX 21		11/14/00			
534689	FULTON	DUBLIN TWP				11/9/06	NEW WELL	40.04682	-77.96549
534682	FULTON	DUBLIN TWP				11/9/05	NEW WELL	40.03595	-78.02627
362337	FULTON	DUBLIN TWP		KNOBSVILLE		11/5/90			
104191	FULTON	DUBLIN TWP	HUSTONTOV			11/5/82	NEW WELL	40.04278	-78.00028
534669	FULTON	DUBLIN TWP				11/3/04	NEW WELL	40.04538	-78.00053

20841	FULTON	DUBLIN TWP	BURNT CABI			11/2/76		40.03111	-77.97639
20841	FULTON	DUBLIN TWP	BURNT CABI			11/2/76		40.03111	-77.97639
499583	FULTON	DUBLIN TWP		889 Battleric	17233	11/1/11	YIELD ENHAN	40.03196	-77.97785
362328	FULTON	DUBLIN TWP		350 FORT LC		11/1/89			
362329	FULTON	DUBLIN TWP		RD 1 HUSTO		11/1/89			
362330	FULTON	DUBLIN TWP		581 HUSTON		11/1/89			
104201	FULTON	DUBLIN TWP	BURNT CABI			11/1/88	NEW WELL	40.03194	-77.96806
104190	FULTON	DUBLIN TWP	HUSTONTOV			11/1/81	NEW WELL	40.04889	-78.02722
20848	FULTON	DUBLIN TWP	BURNT CABI			11/1/79		40.04944	-77.9625
20848	FULTON	DUBLIN TWP	BURNT CABI			11/1/79		40.04944	-77.9625
362372	FULTON	DUBLIN TWP		BURNT CABI		10/31/95			
547905	FULTON	DUBLIN TWP	HUSTONTOV	305 HUSTON	17229	10/27/14	NEW WELL	40.03693	-78.02354
534673	FULTON	DUBLIN TWP				10/26/04	NEW WELL	40.0869	-77.96046
492662	FULTON	DUBLIN TWP	HUSTONTOV	158 Clear Ric	17229	10/25/10	NEW WELL	40.0492	-78.02679
534696	FULTON	DUBLIN TWP				10/20/06	NEW WELL	40.06666	-77.96257
654772	FULTON	DUBLIN TWP	BURNT CABI	422 Sheepski	17223	10/19/17	NEW WELL	40.0404	-77.96426
534688	FULTON	DUBLIN TWP				10/18/06	NEW WELL	40.05377	-78.02243
362373	FULTON	DUBLIN TWP		HCR 75 BOX		10/17/95			
362386	FULTON	DUBLIN TWP		RD 1 BOX 48		10/16/97			
628928	FULTON	DUBLIN TWP		2573 BOY SC	17229	10/13/15	YIELD ENHAN	40.10272	-77.98301
362410	FULTON	DUBLIN TWP		306 LINE WA		10/13/00			
534675	FULTON	DUBLIN TWP				10/11/04	NEW WELL	40.04956	-78.01936
362384	FULTON	DUBLIN TWP		HCR 75 BOX		10/10/96			
362322	FULTON	DUBLIN TWP		HCR 75 BOX		10/8/92			
479661	FULTON	DUBLIN TWP		751 BATTLE I	17233	10/7/11	NEW WELL	40.03068	-77.97623
20846	FULTON	DUBLIN TWP	BURNT CABI			10/6/77		40.0475	-77.95667
534972	FULTON	DUBLIN TWP				10/5/08	NEW WELL	40.06617	-77.97162
362374	FULTON	DUBLIN TWP		PO BOX 396		10/3/95			
362387	FULTON	DUBLIN TWP		HARRISONVI		10/1/97			
362343	FULTON	DUBLIN TWP		HUSTONTOV		10/1/91			
362327	FULTON	DUBLIN TWP		HC 75 BOX 4		10/1/89			

104200	FULTON	DUBLIN TWP	BURNT CABI			10/1/88	NEW WELL	40.05611	-77.96833
104205	FULTON	DUBLIN TWP	BURNT CABI			10/1/83	NEW WELL	40.04028	-77.9925
104182	FULTON	DUBLIN TWP	HUSTONTOV			10/1/80	NEW WELL	40.02778	-78.02472
20772	FULTON	DUBLIN TWP	BURNT CABI			10/1/33		40.05889	-77.96417
509650	FULTON	DUBLIN TWP		148 SMOKY I	17229	9/30/13	NEW WELL	40.08369	-77.94568
362420	FULTON	DUBLIN TWP		949 SINOQU		9/30/02			
104188	FULTON	DUBLIN TWP	BURNT CABI			9/29/81	NEW WELL	40.05278	-77.95222
362388	FULTON	DUBLIN TWP		PO BOX 427		9/24/97			
104204	FULTON	DUBLIN TWP	HUSTONTOV			9/21/84	NEW WELL	40.04583	-78.02417
20838	FULTON	DUBLIN TWP	HUSTONTOV			9/20/78		40.02639	-78.035
668053	FULTON	DUBLIN TWP	BURNT CABI	434 Melius R	17233	9/19/18	NEW WELL	40.02886	-77.96691
668054	FULTON	DUBLIN TWP	BURNT CABI	1416 Sheeps	17223	9/19/18	NEW WELL	40.05044	-77.95474
362421	FULTON	DUBLIN TWP		210 N CLEAR		9/19/02			
20777	FULTON	DUBLIN TWP	BURNT CABI			9/19/79		40.07611	-77.9075
20777	FULTON	DUBLIN TWP	BURNT CABI			9/19/79		40.07611	-77.9075
362422	FULTON	DUBLIN TWP		16185 PLEAS		9/18/02			
362396	FULTON	DUBLIN TWP		RR 2 BOX 22		9/18/98			
362375	FULTON	DUBLIN TWP		HCR 75 BOX		9/18/95			
362353	FULTON	DUBLIN TWP		BOX 6 FORT		9/18/92			
362354	FULTON	DUBLIN TWP		BOX 6 FORT		9/16/92			
654512	FULTON	DUBLIN TWP	BURNT CABI	24147 PARK	17243	9/15/17	NEW WELL	40.10735	-77.9533
362395	FULTON	DUBLIN TWP		HCR 80 BOX		9/14/98			
104181	FULTON	DUBLIN TWP	HUSTONTOV			9/5/80	NEW WELL	40.04667	-78.02806
362424	FULTON	DUBLIN TWP		594 LOG CAE		9/4/02			
362425	FULTON	DUBLIN TWP		455 OLD TW		9/3/02			
534667	FULTON	DUBLIN TWP				9/2/04	NEW WELL	40.07595	-77.93657
362394	FULTON	DUBLIN TWP		HUSTONTOV		9/1/98			
362367	FULTON	DUBLIN TWP		HUSTONTOV		9/1/95			
362368	FULTON	DUBLIN TWP		HUSTONTOV		9/1/95			
362341	FULTON	DUBLIN TWP		998 DICKS DA		9/1/90			
104197	FULTON	DUBLIN TWP	BURNT CABI			9/1/88	NEW WELL	40.0425	-77.98611

643235	FULTON	DUBLIN TWP	BURNT CABI	2182 Plum H	17223	8/30/16	NEW WELL	40.06819	-77.97514
362426	FULTON	DUBLIN TWP		1501 PHILLIP		8/30/02			
362385	FULTON	DUBLIN TWP		RD HUSTON		8/28/96			
362340	FULTON	DUBLIN TWP		BOX 443 HU		8/27/90			
490574	FULTON	DUBLIN TWP		10727 Aughv	17224	8/25/11	NEW WELL	40.05326	-77.89409
491892	FULTON	DUBLIN TWP	BURNT CABI	1715 Sheeps	17223	8/23/10	NEW WELL	40.05623	-77.95061
362364	FULTON	DUBLIN TWP		HCR 74 BOX		8/23/94			
104192	FULTON	DUBLIN TWP	BURNT CABI			8/22/79	NEW WELL	40.07917	-77.9875
492669	FULTON	DUBLIN TWP	BURNT CABI	176 Old Tow	17223	8/20/10	NEW WELL	40.06194	-77.965
362355	FULTON	DUBLIN TWP		HCR 75 BOX		8/20/92			
534984	FULTON	DUBLIN TWP				8/17/08	NEW WELL	40.03367	-77.97594
362409	FULTON	DUBLIN TWP		PO BOX 387		8/17/00			
508922	FULTON	DUBLIN TWP		2497 IRON B	17229	8/15/13	NEW WELL	40.09418	-77.99529
534693	FULTON	DUBLIN TWP				8/11/06	NEW WELL	40.06527	-77.92278
534694	FULTON	DUBLIN TWP				8/10/07	NEW WELL	40.07738	-77.89356
362415	FULTON	DUBLIN TWP		665 SHADY S		8/10/01			
501751	FULTON	DUBLIN TWP		10389 Wate	17233	8/8/12	NEW WELL	40.03076	-77.98067
362319	FULTON	DUBLIN TWP		9850 GILBER		8/7/01			
362357	FULTON	DUBLIN TWP		BOX 603 HU		8/4/93			
656791	FULTON	DUBLIN TWP	HUSTONTOV	600 NORTH	17229	8/2/17	NEW WELL	40.05468	-78.0219
362376	FULTON	DUBLIN TWP		BOX 582 HU		8/2/95			
20778	FULTON	DUBLIN TWP	BURNT CABI			8/2/78		40.08472	-77.99028
362377	FULTON	DUBLIN TWP		HUSTONTOV		8/1/95			
362369	FULTON	DUBLIN TWP		FORT LITTLE		8/1/95			
362370	FULTON	DUBLIN TWP		HUSTONTOV		8/1/95			
362331	FULTON	DUBLIN TWP		HCR 75 FORT		8/1/89			
362332	FULTON	DUBLIN TWP		HCR 75 FORT		8/1/89			
104196	FULTON	DUBLIN TWP	HUSTONTOV			8/1/89	NEW WELL	40.07444	-78.00111
104202	FULTON	DUBLIN TWP	BURNT CABI			8/1/88	NEW WELL	40.01722	-77.96917
534704	FULTON	DUBLIN TWP				8/1/83	NEW WELL	39.97008	-78.03535
508654	FULTON	DUBLIN TWP		412 PITT STR	17229	7/31/13	NEW WELL	40.04816	-78.02825

362378	FULTON	DUBLIN TWP		HCR 75 BOX		7/27/95			
508656	FULTON	DUBLIN TWP		637 PLUM H(	17229	7/26/13	NEW WELL	40.08383	-77.98854
362427	FULTON	DUBLIN TWP		357 PLUM H(		7/23/02			
362321	FULTON	DUBLIN TWP		BURNT CABI		7/23/98			
20773	FULTON	DUBLIN TWP	BURNT CABI			7/23/78		40.06639	-77.96278
362389	FULTON	DUBLIN TWP		SR 75 BOX 7(		7/21/97			
623366	FULTON	DUBLIN TWP		268 GRIST M	17215	7/20/15	NEW WELL	40.07758	-77.89392
534701	FULTON	DUBLIN TWP				7/17/06	NEW WELL	40.02979	-77.9687
362416	FULTON	DUBLIN TWP		16471 PLEAS		7/16/01			
534686	FULTON	DUBLIN TWP				7/15/05	NEW WELL	40.06963	-77.88459
534685	FULTON	DUBLIN TWP				7/13/05	NEW WELL	40.02169	-77.97581
487504	FULTON	DUBLIN TWP		10577 AUGH	17215	7/12/11	NEW WELL	40.05204	-77.89503
663631	FULTON	DUBLIN TWP		32684 GREA	17215	7/11/18	NEW WELL	40.06975	-77.92107
651802	FULTON	DUBLIN TWP	BURNT CABI	2859 E. Dutcl	17233	7/11/17	NEW WELL	40.01158	-77.96998
534734	FULTON	DUBLIN TWP				7/11/07	NEW WELL	39.91768	-78.09254
362390	FULTON	DUBLIN TWP		HCR 71 BOX		7/11/97			
104209	FULTON	DUBLIN TWP	BURNT CABI			7/11/87	NEW WELL	40.03583	-77.96056
104216	FULTON	DUBLIN TWP				7/11/87	NEW WELL		
104210	FULTON	DUBLIN TWP	BURNT CABI			7/10/87	NEW WELL	40.03028	-77.96417
534982	FULTON	DUBLIN TWP				7/8/08	NEW WELL	40.0316	-77.97596
20785	FULTON	DUBLIN TWP	BURNT CABI			7/8/78		40.1025	-77.98444
534670	FULTON	DUBLIN TWP				7/6/04	NEW WELL	40.05144	-78.02502
663669	FULTON	DUBLIN TWP		267 SINOQU	17223	7/5/18	NEW WELL	40.0651	-77.96294
514854	FULTON	DUBLIN TWP		2505 Plum H	17223	7/3/14	NEW WELL	40.06579	-77.9713
362393	FULTON	DUBLIN TWP		MCCONNELL		7/1/98			
362323	FULTON	DUBLIN TWP		DUTCHCORN		7/1/97			
362352	FULTON	DUBLIN TWP		BURNT CABI		7/1/92			
362342	FULTON	DUBLIN TWP		HUSTONTOV		7/1/90			
362333	FULTON	DUBLIN TWP		FORT LITTLE		7/1/89			
104208	FULTON	DUBLIN TWP	BURNT CABI			7/1/88	NEW WELL	40.08	-78.01778
104186	FULTON	DUBLIN TWP	BURNT CABI			7/1/81	NEW WELL	40.07	-77.91944

104179	FULTON	DUBLIN TWP	HUSTONTOV			7/1/81	NEW WELL	40.07194	-78.00722
534684	FULTON	DUBLIN TWP				6/23/05	NEW WELL	40.08736	-77.9543
534683	FULTON	DUBLIN TWP				6/22/05	NEW WELL	40.0605	-77.96332
362407	FULTON	DUBLIN TWP		3438 CLEARI		6/19/00			
362408	FULTON	DUBLIN TWP		HCR 64 BOX		6/19/00			
362423	FULTON	DUBLIN TWP		315 HORTON		6/17/02			
534668	FULTON	DUBLIN TWP				6/16/04	NEW WELL	40.05171	-78.02402
651287	FULTON	DUBLIN TWP	BURNT CABI	10287 WATE	17233	6/15/17	NEW WELL	40.037	-77.98477
534724	FULTON	DUBLIN TWP				6/15/06	NEW WELL	39.92678	-78.09592
362380	FULTON	DUBLIN TWP		HCR 64 BOX		6/12/95			
663691	FULTON	DUBLIN TWP	BURNT CABI	1564 Log Cab	17223	6/11/18	NEW WELL	40.04197	-77.96104
514516	FULTON	DUBLIN TWP		27963 Great	17223	6/11/14	NEW WELL	40.03156	-77.9692
362358	FULTON	DUBLIN TWP		HC 75 BOX 1		6/11/93			
515231	FULTON	DUBLIN TWP		174 HIGH RID	17229	6/9/14	NEW WELL	40.08056	-78.00005
362379	FULTON	DUBLIN TWP		FORD LITTLE		6/5/95			
362345	FULTON	DUBLIN TWP		RD HUSTONT		6/5/91			
362351	FULTON	DUBLIN TWP		MCCONNELS		6/1/92			
362335	FULTON	DUBLIN TWP		FORT LITTLE		6/1/90			
362334	FULTON	DUBLIN TWP		FORT LITTLE		6/1/89			
362318	FULTON	DUBLIN TWP		FORT LITTLE		6/1/89			
104187	FULTON	DUBLIN TWP	BURNT CABI			6/1/80	NEW WELL	40.09889	-77.97778
534702	FULTON	DUBLIN TWP				5/25/07	NEW WELL	40.04806	-78.02713
362362	FULTON	DUBLIN TWP		HCR 71 BOX		5/25/95			
362431	FULTON	DUBLIN TWP		PLUM HOLLO		5/22/03			
362418	FULTON	DUBLIN TWP		888 BATTLE I		5/21/02			
640370	FULTON	DUBLIN TWP		9236 WATER	17229	5/19/16	NEW WELL	40.04384	-78.00143
104213	FULTON	DUBLIN TWP				5/18/84	NEW WELL		
534981	FULTON	DUBLIN TWP				5/12/09	NEW WELL	40.09628	-77.99137
534980	FULTON	DUBLIN TWP				5/11/09	NEW WELL	40.02537	-77.9649
534677	FULTON	DUBLIN TWP				5/11/05	NEW WELL	40.09198	-77.99422
362344	FULTON	DUBLIN TWP		HCR 71 BOX		5/11/92			

488073	FULTON	DUBLIN TWP	HUSTONTOV	394 N. Clear	17229	5/10/10	NEW WELL	40.05094	-78.02364
362339	FULTON	DUBLIN TWP		BOX 344 HUS		5/10/91			
534988	FULTON	DUBLIN TWP				5/8/09	NEW WELL	40.00792	-78.0055
534692	FULTON	DUBLIN TWP				5/6/06	NEW WELL	40.03781	-78.02575
362348	FULTON	DUBLIN TWP		HCR 75 BOX		5/6/92			
362401	FULTON	DUBLIN TWP		489 BOTTLE		5/3/99			
362402	FULTON	DUBLIN TWP		4466 FIN HEI		5/3/99			
362405	FULTON	DUBLIN TWP		476 QUARRY		5/2/00			
104214	FULTON	DUBLIN TWP				5/2/84	NEW WELL		
362365	FULTON	DUBLIN TWP		HUSTONTOV		5/1/95			
104198	FULTON	DUBLIN TWP	BURNT CABI			5/1/89	NEW WELL	40.01111	-77.99639
104207	FULTON	DUBLIN TWP	BURNT CABI			5/1/88	NEW WELL	40.00972	-77.99278
104195	FULTON	DUBLIN TWP	BURNT CABI			5/1/86	NEW WELL	40.03361	-77.98139
104180	FULTON	DUBLIN TWP	HUSTONTOV			5/1/82	NEW WELL	40.0725	-78.00667
104178	FULTON	DUBLIN TWP	HUSTONTOV			5/1/80	NEW WELL	40.05833	-78.01167
362430	FULTON	DUBLIN TWP		RT 522 BURN		4/28/03			
362320	FULTON	DUBLIN TWP		FORT LITTLE		4/28/93			
362412	FULTON	DUBLIN TWP		427 QUARRY		4/26/01			
534992	FULTON	DUBLIN TWP				4/22/08	NEW WELL	40.02427	-77.97546
484065	FULTON	DUBLIN TWP		34832 Crogh	17215	4/21/10	NEW WELL	40.08326	-77.89521
104189	FULTON	DUBLIN TWP	HUSTONTOV			4/21/83	NEW WELL	40.07167	-78.0075
20840	FULTON	DUBLIN TWP	HUSTONTOV			4/21/79		40.02806	-78.02806
20840	FULTON	DUBLIN TWP	HUSTONTOV			4/21/79		40.02806	-78.02806
362429	FULTON	DUBLIN TWP		PO BOX 36 G		4/14/03			
20842	FULTON	DUBLIN TWP	HUSTONTOV			4/14/78		40.04028	-78.02667
104212	FULTON	DUBLIN TWP				4/10/84	NEW WELL		
20784	FULTON	DUBLIN TWP	BURNT CABI			4/8/75		40.09917	-77.98917
534703	FULTON	DUBLIN TWP				4/4/07	NEW WELL	40.02479	-77.96867
362381	FULTON	DUBLIN TWP		MCCONNELL		4/1/97			
362366	FULTON	DUBLIN TWP		BURNT CABI		4/1/95			
104193	FULTON	DUBLIN TWP	HUSTONTOV			4/1/88	NEW WELL	40.04778	-78.02722

104206	FULTON	DUBLIN TWP	BURNT CABI			4/1/88	NEW WELL	40.03444	-77.97778
104185	FULTON	DUBLIN TWP	BURNT CABI			4/1/81	NEW WELL	40.01611	-77.9925
104184	FULTON	DUBLIN TWP	BURNT CABI			4/1/80	NEW WELL	40.08972	-77.90778
671423	FULTON	DUBLIN TWP	HUSTONTOV	16311 Pleasa		3/29/78	NEW WELL	40.04147	-78.02781
362404	FULTON	DUBLIN TWP		249 MELINS		3/24/00			
362325	FULTON	DUBLIN TWP		BURNT CABI		3/19/90			
534674	FULTON	DUBLIN TWP				3/15/05	NEW WELL	40.08111	-77.96153
362392	FULTON	DUBLIN TWP		2317 SHIELD		3/2/98			
362324	FULTON	DUBLIN TWP		110A		3/1/90			
104203	FULTON	DUBLIN TWP	BURNT CABI			3/1/88	NEW WELL	40.03389	-77.97417
104211	FULTON	DUBLIN TWP	HUSTONTOV			3/1/86	NEW WELL	40.05083	-78.01167
20847	FULTON	DUBLIN TWP	HUSTONTOV			3/1/79		40.04889	-78.00972
674059	FULTON	DUBLIN TWP		2569 Plum H	17223	2/26/19	NEW WELL	40.06613	-77.96861
362382	FULTON	DUBLIN TWP		HCR 71 BOX		2/20/97			
534671	FULTON	DUBLIN TWP				2/17/05	NEW WELL	40.05933	-78.0157
534672	FULTON	DUBLIN TWP				2/15/05	NEW WELL	40.0266	-77.97125
534699	FULTON	DUBLIN TWP				2/14/06	NEW WELL	40.0764	-77.90494
534697	FULTON	DUBLIN TWP				2/14/06	NEW WELL	40.07642	-77.90487
362406	FULTON	DUBLIN TWP		33805 GREA		2/11/00			
534700	FULTON	DUBLIN TWP				2/10/06	NEW WELL	40.02706	-78.02656
534978	FULTON	DUBLIN TWP				2/9/09	NEW WELL	40.09898	-77.98947
534698	FULTON	DUBLIN TWP				2/9/06	NEW WELL	40.078	-77.89561
534676	FULTON	DUBLIN TWP				2/9/05	NEW WELL	40.09578	-77.99154
362338	FULTON	DUBLIN TWP		HUSTONTOV		2/1/91			
362326	FULTON	DUBLIN TWP		FORT LITTLE		2/1/90			
104199	FULTON	DUBLIN TWP	BURNT CABI			2/1/89	NEW WELL	40.04361	-77.98667
103805	FULTON	DUBLIN TWP	BURNT CABI	Hustontown		2/1/88	NEW WELL	40.08226	-77.98645
362349	FULTON	DUBLIN TWP		HCR 75 BOX		1/28/92			
534990	FULTON	DUBLIN TWP				1/25/08	NEW WELL	40.04028	-77.99023
362400	FULTON	DUBLIN TWP		HCR 75 BOX		1/25/99			
362350	FULTON	DUBLIN TWP		HCR 75 BOX		1/20/92			

362428	FULTON	DUBLIN TWP		32089 GREA	1/6/03			
534977	FULTON	DUBLIN TWP			1/2/09	NEW WELL	40.06618	-77.97159
362359	FULTON	DUBLIN TWP		FORT LITTLE	1/1/95			
362360	FULTON	DUBLIN TWP		HUSTONTOV	1/1/95			
362361	FULTON	DUBLIN TWP		HUSTONTOV	1/1/95			
104194	FULTON	DUBLIN TWP	BURNT CABI		1/1/87	NEW WELL	40.0825	-77.89528
20774	FULTON	DUBLIN TWP	BURNT CABI		1/1/79		40.06806	-77.97417
104183	FULTON	DUBLIN TWP	BURNT CABI		1/1/78	NEW WELL	40.02222	-77.96944
104221	FULTON	DUBLIN TWP	HUSTONTOV		1/1/74	NEW WELL	40.01306	-78.01056
104223	FULTON	DUBLIN TWP	HUSTONTOV		1/1/74	NEW WELL	40.03833	-78.02917
104222	FULTON	DUBLIN TWP	BURNT CABI		1/1/69	NEW WELL	40.08389	-77.98889
104218	FULTON	DUBLIN TWP	BURNT CABI		1/1/68	NEW WELL	40.07917	-77.89583
104219	FULTON	DUBLIN TWP	BURNT CABI		1/1/67	NEW WELL	40.06	-77.92528
104220	FULTON	DUBLIN TWP	BURNT CABI		1/1/66	NEW WELL	40.00972	-77.9625
104217	FULTON	DUBLIN TWP	BURNT CABI			NEW WELL	40.09222	-77.99333
104224	FULTON	DUBLIN TWP	HUSTONTOV			NEW WELL	40.0475	-78.02056
104225	FULTON	DUBLIN TWP	BURNT CABI			NEW WELL	40.07667	-77.89722
104226	FULTON	DUBLIN TWP	BURNT CABI			NEW WELL	40.09028	-77.99472
104227	FULTON	DUBLIN TWP	HUSTONTOV			NEW WELL	40.01278	-78.00944
104228	FULTON	DUBLIN TWP	BURNT CABI			NEW WELL	40.02583	-77.97167
104229	FULTON	DUBLIN TWP	HUSTONTOV			NEW WELL	40.04861	-78.02667
104230	FULTON	DUBLIN TWP	BURNT CABI			NEW WELL	40.03389	-77.97056
362391	FULTON	DUBLIN TWP		HC 75 BOX 2				

Driller	OriginalOwn	WellUse	WaterUse	WellDepth(ft	TopOfCasing	BottomOfCa	CasingDiame	DepthToBedr	BedrockNotR
WALTERS W	fox	WITHDRAW/	DOMESTIC						False
NEGLEY'S W	Blair	WITHDRAW/	DOMESTIC	198	-1	59	6	15	False
WALTERS W	EVERETTS								False
WALTERS W	MCQUATE								False
WALTERS W	LYNCH	WITHDRAW/	DOMESTIC	203					False
WALTERS W	winegardner	WITHDRAW/	DOMESTIC						False
NEGLEY'S W	Crampton	WITHDRAW/	DOMESTIC	120	-1	39	6	39	False
WALTERS W	martin	WITHDRAW/	DOMESTIC						False
WALTERS W	STASIT								False
WALTERS W	STRITE								False
WALTERS W	CROFT								False
WALTERS W	BOY SCOUTS								False
WALTERS W	WEBB								False
SHATZER WE	HORNBAKER								False
OTHER	CROMWELL /	WITHDRAW/	DOMESTIC	104	0	34	6		False
OTHER	CROMWELL /	WITHDRAW/	DOMESTIC	104	0	34	6		False
NEGLEY'S W	HENRY								False
WALTERS W	BURNER								False
WALTERS W	BURNT CABI								False
WALTERS W	ingiosi	WITHDRAW/	DOMESTIC						False
NEGLEY'S W	CSORDAS								False
WALTERS W	LORKMAN								False
WALTERS W	CORDELL								False
WALTERS W	BORDGE								False
WALTERS W	SNYDER								False
WALTERS W	white	WITHDRAW/	DOMESTIC						False
NEGLEY'S W	hoover	WITHDRAW/	DOMESTIC						False
NEGLEY'S W	FRY								False
JEFF C PYLE	COURT L	WITHDRAW/	DOMESTIC	405	0	105		80	False
WALTERS W	fretheim	WITHDRAW/	DOMESTIC						False

GERALD W.	STRAIT DON,	WITHDRAW/	DOMESTIC	163	0	21	6	False
GERALD W.	STRAIT DON,	WITHDRAW/	DOMESTIC	163	0	21	6	False
WALTERS W	Strait	WITHDRAW/	DOMESTIC	404				False
WALTERS W	MIXELL							False
WALTERS W	ULSH							False
WALTERS W	CURFMAN							False
SHATZER WE	MUMMA IV/	WITHDRAW/	DOMESTIC	180	0	84	6	60 False
WALTERS W	NEWMAN L	WITHDRAW/	DOMESTIC	95	0	40	6	30 False
OTHER	PARSON B.	WITHDRAW/	DOMESTIC	103	0	40	6	False
OTHER	PARSON B.	WITHDRAW/	DOMESTIC	103	0	40	6	False
WALTERS W	WATERS							False
WALTERS W	WEINSTOCK	WITHDRAW/	DOMESTIC	229	0	84	6	56 False
NEGLEY'S W	hilbert	WITHDRAW/	DOMESTIC					False
WALTERS W	Stallman	WITHDRAW/	DOMESTIC	229	0	105	6	92 False
NEGLEY'S W	hickess asso	WITHDRAW/	DOMESTIC					False
NEGLEY'S W	Murphy Jr.	WITHDRAW/	DOMESTIC	140	-1	59	6	59 False
WALTERS W	witter	WITHDRAW/	DOMESTIC					False
WALTERS W	CROMER							False
GERALD W.	HERSHEY							False
WALTERS W	HESS	WITHDRAW/	DOMESTIC	229				False
WALTERS W	HOOVER							False
D R ERIKSEN	booher	WITHDRAW/	DOMESTIC					False
WALTERS W	PARK							False
WALTERS W	PARK							False
WALTERS W	ANDREWS	WITHDRAW/	DOMESTIC	179	0	84	6	7 False
OTHER	SHOOP BELV	WITHDRAW/	DOMESTIC	205	0	20	6	False
WALTERS W	hollibaugh	WITHDRAW/	DOMESTIC					False
WALTERS W	HOHMAN							False
SHATZER WE	MELLOTT							False
SHATZER WE	PATTERSON							False
WALTERS W	STRAIL							False

SHATZER WE	SHORE ANN/	WITHDRAW/	DOMESTIC	200	0	42	6	28	False
WALTERS W	SMITH D	WITHDRAW/	DOMESTIC	695	0	168	6	160	False
WALTERS W	KOONTZ S	WITHDRAW/	DOMESTIC	135	0	50	6	40	False
UNKNOWN	WIDEL LESTE	WITHDRAW/	DOMESTIC	66	0	12	6		False
WALTERS W	TRUAX	WITHDRAW/	DOMESTIC	279	0	84	6	58	False
WALTERS W	PARK								False
GERALD W.	CARBAUGH I	WITHDRAW/	DOMESTIC	223	0	21	6	18	False
WALTERS W	STRAIT								False
SHATZER WE	SIPES M	WITHDRAW/	DOMESTIC	100	0	42	6	35	False
SHATZER WE	HANN L.	WITHDRAW/	DOMESTIC	142	0	40	6		False
GERALD W.	Black	WITHDRAW/	DOMESTIC	140	-1	41	6.25	28	False
GERALD W.	Sheffield	WITHDRAW/	DOMESTIC	80	-2	19	6.25	7	False
WALTERS W	FIX								False
SHATZER WE	DONEY ERNE	WITHDRAW/	DOMESTIC	99	0	95	5.6		False
SHATZER WE	DONEY ERNE	WITHDRAW/	DOMESTIC	99	0	95	5.6		False
WALTERS W	FOSTER								False
WALTERS W	BURKSPRESS								False
WALTERS W	DUBLIN TWF								False
WALTERS W	HENRY								False
WALTERS W	LICALZRE								False
WALTERS W	MENTZER	WITHDRAW/	DOMESTIC	529	0	180	6	109	False
WALTERS W	RICHARDS								False
SHATZER WE	KESSELRING	WITHDRAW/	DOMESTIC	120	0	40	6	35	False
WALTERS W	UNITED MET								False
WALTERS W	MUMMA								False
WALTERS W	ditmer	WITHDRAW/	DOMESTIC						False
SHATZER WE	CUTCHALL								False
SHATZER WE	BOOTH								False
SHATZER WE	BROWN								False
WALTERS W	DENTRISK								False
WALTERS W	HENRY KENN	WITHDRAW/	DOMESTIC	353	0	52	6	40	False

NEGLEY'S W	Dixon	WITHDRAW/	DOMESTIC	275	-1	219	6	219 False
WALTERS W	CORDEU							False
WALTERS W	CUTSHALL							False
WALTERS W	KARCZEWSK							False
WALTERS W	Cook	WITHDRAW/	DOMESTIC	154	0	103	6	82 False
WALTERS W	Mellott	WITHDRAW/	DOMESTIC	175	0	42	6	19 False
WALTERS W	ORTH							False
JEFF C PYLE	CALHOUN G	WITHDRAW/	DOMESTIC	145	0	31		25 False
WALTERS W	Duvall	WITHDRAW/	DOMESTIC	604	0	84	6	75 False
WALTERS W	WINEGARDN							False
WALTERS W	hoffman	WITHDRAW/	DOMESTIC					False
WALTERS W	BARAHART							False
WALTERS W	VOEGEL	WITHDRAW/	DOMESTIC	228	0	62	6	49 False
WALTERS W	keeseman	WITHDRAW/	DOMESTIC					False
WALTERS W	shoop	WITHDRAW/	DOMESTIC					False
WALTERS W	DEWTS							False
WALTERS W	Helman	WITHDRAW/	DOMESTIC	179	0	100	6	43 False
WALTERS W	ANTHONY							False
WALTERS W	DESLONG							False
WALTERS W	SHAW	WITHDRAW/	DOMESTIC	278	0	84	6	58 False
WALTERS W	GUYER							False
SHATZER WE	HENRY R.	WITHDRAW/	DOMESTIC	125	0	40	6	False
WALTERS W	HUSTONTOV							False
SHATZER WE	DUVALL							False
SHATZER WE	MCGOWAN							False
WALTERS W	PALMER REA							False
WALTERS W	HORNE							False
SHATZER WE	YEAGER KEN	WITHDRAW/	DOMESTIC	180	0	84	6	6 False
SHATZER WE	HANN JOHN	WITHDRAW/	DOMESTIC	100	0	84	6	68 False
WHISLERS V	hellman	WITHDRAW/	DOMESTIC					False
WALTERS W	HELMAN	WITHDRAW/	DOMESTIC	203	0	105	6	97 False

WALTERS W	J L G INDUST							False
WALTERS W	FLEMING	WITHDRAW/	DOMESTIC	354	0	84	6	56 False
WALTERS W	BROUGHT							False
WALTERS W	ESH							False
SHATZER WE	PECK W.	WITHDRAW/	DOMESTIC	180				False
WALTERS W	SNYDER							False
WALTERS W	BURNT CABI	WITHDRAW/	DOMESTIC	154	0	105	6	70 False
NEGLEY'S W	clippinger	WITHDRAW/	DOMESTIC					False
WALTERS W	TAYLOR							False
WALTERS W	beidel	WITHDRAW/	DOMESTIC					False
WALTERS W	stinson	WITHDRAW/	DOMESTIC					False
WALTERS W	KINGSLEY	WITHDRAW/	DOMESTIC	204	0	105	6	82 False
WALTERS W	SLODYSKO	WITHDRAW/	DOMESTIC	204	0	80	6	59 False
NEGLEY'S W	Bricker	WITHDRAW/	OTHER	348	-1	99	6	99 False
GERALD W.	mellott	WITHDRAW/	DOMESTIC					False
WALTERS W	HENRY							False
SHATZER WE	SHOW R	WITHDRAW/	DOMESTIC	160	0	63	6	60 False
SHATZER WE	SHOW R	WITHDRAW/	DOMESTIC	160	0	63	6	60 False
SHATZER WE	MEIGLE F	WITHDRAW/	DOMESTIC	260	0	63	6	60 False
WALTERS W	bartin	WITHDRAW/	DOMESTIC					False
SHATZER WE	HESS W.	WITHDRAW/	DOMESTIC	200	0	40	6	False
WALTERS W	clippinger	WITHDRAW/	DOMESTIC					False
WALTERS W	HANN	WITHDRAW/	DOMESTIC	354	0	60	6	22 False
NEGLEY'S W	Knepper	WITHDRAW/	DOMESTIC	273	-1	119	6	119 False
SHATZER WE	THORMAN							False
NEGLEY'S W	BARD							False
SHATZER WE	HERMAN							False
WALTERS W	FRAKER							False
WALTERS W	FRAKER							False
WALTERS W	BOON EDDY	WITHDRAW/	DOMESTIC	260	0	126	6	115 False
WALTERS W	NEWMAN C	WITHDRAW/	DOMESTIC	247	0	35	6	30 False

WALTERS W	GARLOCK G	WITHDRAW/	DOMESTIC	97	0	37	6	30 False
WALTERS W	clippenger	WITHDRAW/	DOMESTIC					False
WALTERS W	fraker	WITHDRAW/	DOMESTIC					False
WALTERS W	TAYLOR							False
WALTERS W	MALOT							False
WALTERS W	MILLER							False
WALTERS W	burrall	WITHDRAW/	DOMESTIC					False
WALTERS W	HELSER	WITHDRAW/	DOMESTIC	178	0	84	6	58 False
WALTERS W	mennic	WITHDRAW/	DOMESTIC					False
WALTERS W	BROWN							False
EICHELBERG	RRD Services	WITHDRAW/	DOMESTIC	140	0	60	6.25	6 False
NEGLEY'S W	Strait	WITHDRAW/	DOMESTIC	220	-1	79	6	79 False
WALTERS W	DEATRICK							False
WALTERS W	SCHMUCK	WITHDRAW/	DOMESTIC	129	0	53	6	45 False
WALTERS W	CAMP STREC							False
WALTERS W	ETSAMAN							False
SHATZER WE	LANBUT							False
SHATZER WE	WAITE							False
WALTERS W	MONTGOME							False
WALTERS W	FRAKER							False
WALTERS W	MILLAS W	WITHDRAW/	DOMESTIC	148	0	60	6	50 False
WALTERS W	glip	WITHDRAW/	DOMESTIC					False
WALTERS W	MCQUADE							False
NEGLEY'S W	STRAIT							False
WALTERS W	STREIT							False
WALTERS W	HOOVER	WITHDRAW/		228	0	84	6	55 False
SHATZER WE	HELSER H	WITHDRAW/	DOMESTIC	100	0	45	6	40 False
WALTERS W	strait	WITHDRAW/	DOMESTIC					False
WALTERS W	johnson	WITHDRAW/	DOMESTIC					False
WALTERS W	henry	WITHDRAW/	DOMESTIC					False
WALTERS W	DEATRICK							False

WALTERS W	Mellott	WITHDRAW/	DOMESTIC	354	0	63	6	44 False
WALTERS W	HOUCK							False
GERALD W.	mellott build	WITHDRAW/	DOMESTIC					False
WALTERS W	baker	WITHDRAW/	DOMESTIC					False
WALTERS W	GLUNT							False
WALTERS W	MARCUS							False
WALTERS W	KERLIN							False
WALTERS W	LANE							False
SHATZER WE	MILLER T	WITHDRAW/	DOMESTIC	240	0	59	6	50 False
SHATZER WE	BERKSTROSS							False
SHATZER WE	SIPUS	WITHDRAW/	DOMESTIC	300	0	63	6	47 False
WALTERS W	ELLIOTT CHR	WITHDRAW/	DOMESTIC	128	0	53	6	40 False
WALTERS W	CUTSHALL B	WITHDRAW/	DOMESTIC	178	0	82	6	70 False
WALTERS W	BROWN B	WITHDRAW/	DOMESTIC	70	0	21	6	15 False
WALTERS W	MARTZ F	WITHDRAW/	DOMESTIC	208	0	57	6	45 False
WALTERS W	DALEY							False
WALTERS W	ORTH							False
WALTERS W	GENTRY							False
WALTERS W	sipes	WITHDRAW/	DOMESTIC					False
NEGLEY'S W	Burnt Cabins	WITHDRAW/	OTHER	140	-1	79	6	79 False
GERALD W.	KNEPPER M	WITHDRAW/	DOMESTIC	325	0	21	6	13 False
SHATZER WE	MARTZ C.	WITHDRAW/	DOMESTIC	142	0	37	6	False
SHATZER WE	MARTZ C.	WITHDRAW/	DOMESTIC	142	0	37	6	False
WALTERS W	BRANT							False
GERALD W.	BERKHEIMEF	WITHDRAW/	DOMESTIC	102	0	21.1	6	False
SHATZER WE	MADDEN R	WITHDRAW/	DOMESTIC	200	0	58	6	50 False
SHATZER WE	FLEMING W/	WITHDRAW/	DOMESTIC	45	0	21	6	False
WALTERS W	snyder	WITHDRAW/	DOMESTIC					False
SHATZER WE	MILLER							False
SHATZER WE	MUSSER							False
SHATZER WE	MILLER C	WITHDRAW/	DOMESTIC	140	0	42	6	30 False

WALTERS W	SHOCKEY BE	WITHDRAW/	DOMESTIC	403	0	41	6	25 False
WALTERS W	SIRES R	WITHDRAW/	DOMESTIC	112	0	21	6	10 False
WALTERS W	LOCKE L	WITHDRAW/	DOMESTIC	117	0	51	6	40 False
SHATZER WE	Wagner	WITHDRAW/	DOMESTIC	220				40 False
WALTERS W	BROWN							False
NEGLEY'S W	SHORE							False
WALTERS W	miller	WITHDRAW/	DOMESTIC					False
WALTERS W	SMALL							False
SHATZER WE	MELLOTT							False
WALTERS W	BURNT CABI	WITHDRAW/	DOMESTIC	178	0	81	6	70 False
WALTERS W	TAILER T	WITHDRAW/	DOMESTIC	203	0	60	6	50 False
OTHER	PARSONS B.	WITHDRAW/	DOMESTIC	206	0	41.5	6	False
NEGLEY'S W	Knepper	WITHDRAW/	DOMESTIC	300	-1	79	6	4 False
WALTERS W	PATRICK							False
GERALD W.	house	WITHDRAW/	DOMESTIC					False
NEGLEY'S W	gordon	WITHDRAW/	DOMESTIC					False
WALTERS W	brown	WITHDRAW/	DOMESTIC					False
WALTERS W	brown	WITHDRAW/	DOMESTIC					False
WALTERS W	BROWN							False
WALTERS W	roontz	WITHDRAW/	DOMESTIC					False
WALTERS W	sipes	WITHDRAW/	DOMESTIC					False
WALTERS W	gallagher	WITHDRAW/	DOMESTIC					False
WALTERS W	yeager	WITHDRAW/	DOMESTIC					False
SHATZER WE	METLOTL							False
WALTERS W	MEAD							False
WALTERS W	WATKINS	WITHDRAW/	DOMESTIC	428	0	177	6	160 False
SHATZER WE	KING	WITHDRAW/	DOMESTIC	360	0	63	6	50 False
WALTERS W	LEASURE LIV							False
WALTERS W	chilcote	WITHDRAW/	DOMESTIC					False
WALTERS W	LILLEY							False
WALTERS W	SIPES							False

WALTERS W	DITMER							False
WALTERS W	hollibaugh	WITHDRAW/	DOMESTIC					False
SHATZER WE	SMITH							False
SHATZER WE	FULTON COU							False
SHATZER WE	MILLOR							False
WALTERS W	RAMSEY J	WITHDRAW/	DOMESTIC	157	0	100	6	90 False
	FRAKER CECI	WITHDRAW/	DOMESTIC	255				False
SHATZER WE	OAKMAN I	WITHDRAW/	DOMESTIC	200	0	40		35 False
GERALD W.	RAMSEY JOS	WITHDRAW/	DOMESTIC	183	0	27	6	22 False
SHATZER WE	MILLER DON	WITHDRAW/	DOMESTIC	145	0	22	6	15 False
RALPH R DO'	FRABER CEC	WITHDRAW/	DOMESTIC	152	0	41	6	40 False
SHATZER WE	GLUNT PAUL	WITHDRAW/	DOMESTIC	110	0	90	6	90 False
SHATZER WE	FORWOLL E	WITHDRAW/	DOMESTIC	205	0	40	6	35 False
NORMAN E I	MILLER BLAI	WITHDRAW/	DOMESTIC	54	0	22	6	23 False
SHATZER WE	FLEMING W/	WITHDRAW/	DOMESTIC	45	0	21	6	20 False
GERALD W.	HEEFNER WI	WITHDRAW/	DOMESTIC	138	0	28	6	False
WALTERS W	HALL JAMES	WITHDRAW/	DOMESTIC	65	0	56	6	False
SHATZER WE	CUTSHALL R(	WITHDRAW/	DOMESTIC	125	0	21	6	False
SHATZER WE	MILLER - KEF	WITHDRAW/	DOMESTIC	160	0	36	6	False
ELLIS R SOUI	GORDON DC	WITHDRAW/	STOCK	96				False
SHATZER WE	HANN JOHN	WITHDRAW/	DOMESTIC	145	0	40	6	False
GERALD W.	STRAIT DON/	WITHDRAW/	DOMESTIC	163	0	21	6	False
WALTERS W	KERLIN							False

WellYield(gp	StaticWaterL	WaterLevelA	LengthOfTes	YieldMeasur	SaltwaterZor	FormationNa	PaperImageL	Remark
							http://www.	
70				VOLUMETRI(				
							http://www.	
							http://www.	
15				VOLUMETRI(				
							http://www.	
15	40	100	60	VOLUMETRI(				997 I76 522 right on Dutch
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
	40					KEYSER & TC		GWSI originally listed the
15				ESTIMATED		KEYSER & TC		GWSI originally listed the
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	
							http://www.	Note: Coordinates are app
							http://www.	
							http://www.	
1.5	127			VOLUMETRI(		HAMILTON G		
							http://www.	Note: Coordinates are app

	113				IRISH VALLEY		
6				REPORTED M	IRISH VALLEY		
25			30	VOLUMETRIC			
						http://www.	
						http://www.	
						http://www.	
30	160	180	1	ESTIMATED	CATSKILL FO		
30	20		1	VOLUMETRIC	FOREKNOBS		RT=GRAY SH
20	20			ESTIMATED	HAMILTON G		CASING BURIED.
20	20			ESTIMATED	HAMILTON G		GWSI originally listed the
						http://www.	
12	91			VOLUMETRIC			
						http://www.	
15	59		30	VOLUMETRIC			
						http://www.	
60	60			VOLUMETRIC			
						http://www.	
						http://www.	
						http://www.	
20	32			VOLUMETRIC			
						http://www.	
						http://www.	Note: Coordinates are app
						http://www.	
						http://www.	
30			30	VOLUMETRIC			
25				REPORTED M	HAMILTON G		GWSI originally listed the
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	

12	160	200	1.25	ESTIMATED	WILLS CREEK		
4	70		1	VOLUMETRIC	HAMILTON G		
50	55		1	ESTIMATED	HAMILTON G		RT=GRAY SH
1.5	34				BLOOMSBUF		
12	29			VOLUMETRIC			
						http://www.	
20	100	200		ESTIMATED	HAMILTON G		RT=GRAY SH
						http://www.	
50	20	40	2		FOREKNOBS		
20	40		2	WEIR	BRALLIER FO		
20	40	108	30	ESTIMATED			
20	5	70	30	ESTIMATED			
						http://www.	
	49.6				HAMILTON G		
30			4	REPORTED M	HAMILTON G		
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
40	228			VOLUMETRIC			
						http://www.	
15	30	80	2	VOLUMETRIC	FOREKNOBS		RT=GRAY SH
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
8	40		1	ESTIMATED	BRALLIER &		

60				VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
20			30	VOLUMETRI(			
60	40		30	ESTIMATED			
						http://www.	
4	15			VOLUMETRI(	BRALLIER &		RT=MIXED FORM OF GRA'
1	18		30	VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
8	12			VOLUMETRI(			
						http://www.	Note: Coordinates are app
						http://www.	
						http://www.	
30	44		30	VOLUMETRI(			
						http://www.	
						http://www.	
10	28			VOLUMETRI(			
						http://www.	
30	60		3	WEIR	SCHERR FOR		SAMPLE NO. 78-02-072.
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
18	80	180	1	ESTIMATED	FOREKNOBS		
25	80	100	1.5	ESTIMATED	CATSKILL FO		
						http://www.	
30	46			VOLUMETRI(			

						http://www.	
20	130			VOLUMETRI(			
						http://www.	
						http://www.	
6	40		4	WEIR	ROSE HILL F(		
						http://www.	
12	43			VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
						http://www.	Note: Coordinates are app
20	0		60	ESTIMATED			
1	109			VOLUMETRI(			
60	20			VOLUMETRI(			
						http://www.	
						http://www.	
18	40	90	2	ESTIMATED	CATSKILL FO		
18	40	90	2	ESTIMATED	UNKNOWN		RT=GRAY SH;CM=STEEL
14	60	200	2	ESTIMATED	IRISH VALLE		
						http://www.	
15	30		2	WEIR	FOREKNOBS		
						http://www.	
8.5	9			VOLUMETRI(			
25	40	150	60	VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
30	30		1	ESTIMATED	WILLS CREEK		
10	35		1	ESTIMATED	BRALLIER &		RT=GRAY SH

15	25		1	ESTIMATED	FOREKNOBS		RT=RED SH ROCK
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	Note: Coordinates are app
10	52			VOLUMETRI(			
						http://www.	
						http://www.	
30	45		30	VOLUMETRI(			
100	60	150	60	VOLUMETRI(			
						http://www.	
25	25			VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
25	40		1	ESTIMATED	BRALLIER &		RT=GRAY SH
						http://www.	
						http://www.	
						http://www.	
						http://www.	
30	59			VOLUMETRI(			
40	40	60	1	VOLUMETRI(	UNKNOWN		RT=RED SH
						http://www.	
						http://www.	
						http://www.	Note: Coordinates are app
						http://www.	

8	40		30	VOLUMETRI(			
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
20	60	180	2		UNKNOWN		RT=GRAY SH
						http://www.	
10	200	300	90	ESTIMATED		http://www.	
30	34			ESTIMATED	BRALLIER &		
40			1	ESTIMATED	BRALLIER &		
30		23	1.5	ESTIMATED	FOREKNOBS		RT=GRAY SH ROCK
15	40		1	ESTIMATED	SCHERR FOR		RT=GRAY SH
						http://www.	
						http://www.	
						http://www.	
						http://www.	
15	30	85	120	VOLUMETRI(			Rt.997 I 76 to 522 to Crogh
3	150	200	3	ESTIMATED	FOREKNOBS		RT=RED ROCK
	17.2				MAHANTAN(		
30			4	WEIR	MAHANTAN(		
						http://www.	
15	22		0.3	ESTIMATED	IRISH VALLEY		
12	40	90	3		UNKNOWN		
12	8		4	WEIR	FOREKNOBS		
						http://www.	
						http://www.	
						http://www.	
12	125	135	1.5	ESTIMATED	FOREKNOBS		

4	25		1	ESTIMATED	BRALLIER &		
50	15		1	ESTIMATED	IRISH VALLEY		RT=HARD GRAY SL
7	20		1	ESTIMATED	BRALLIER &		RT=HARD GRAY SH
12	60	120	240			http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
10	30		0.5	ESTIMATED	CATSKILL FO		
60			1	ESTIMATED	FOREKNOBS		
20	45			ESTIMATED	BRALLIER &		GWSI originally listed the
7				VOLUMETRI			
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
25			1	ESTIMATED	BRALLIER &		
6	100	360	120	ESTIMATED		http://www.	RT=SAND ROCK
						http://www.	
						http://www.	
						http://www.	
						http://www.	

						http://www.	
						http://www.	
						http://www.	
						http://www.	
						http://www.	
20	10		1	ESTIMATED	BRALLIER &		RT=SAND ROCK
	105				KEYSER & TC		NO DRILLERS RECORD OW
15	40	100	2	VOLUMETRI(	BRALLIER &		RT=GRAY SH
10	40			UNKNOWN	CHEMUNG (I		
12	40		3	UNKNOWN	CHEMUNG (I		
20	57		2	UNKNOWN	CHEMUNG (I		
20	10		3	UNKNOWN	HAMILTON G		
10	40		3	UNKNOWN	CATSKILL FO		
12	16		1	UNKNOWN	BEEKMANTC		
15	8		4	UNKNOWN	CHEMUNG (I		
20	40			UNKNOWN	UNKNOWN		
15				UNKNOWN	TONOLOWA		
30	40		2	UNKNOWN	CHEMUNG (I		
50	50		4	UNKNOWN	CHEMUNG (I		
8	33		1	UNKNOWN	CHEMUNG (I		
15	20		3	UNKNOWN	CHEMUNG (I		
6	60			UNKNOWN	CHEMUNG (I		
						http://www.	