SITE CHARACTERIZATION REPORT

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

MEI 039.0001

OCTOBER 2019

Prepared for:

Park Station
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Fort Littleton, Pennsylvania

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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.

Further characterization of the Site is warranted, including off-site groundwater plume delineation.

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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 E**.

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 E**.

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, four 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 Residential MSCs but exceed their Non-Residential MSCs. A copy of the soil analytical report is included within **Appendix B**.

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-5 and MW-6 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.8 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-5, and MW-6 met their respective MSCs. Please see **Table 2** for analytical data table and **Appendix B** for the laboratory analytical report.

3.9 Groundwater Flow

MEI gauged the wells twice following installation of all seven groundwater monitoring wells. 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 northeast, with as much as an 11 foot drop southwest to northeast. Groundwater appears to migrate from MW-2 toward the northeast property boundary and groundwater monitoring wells MW-5 through MW-7. Please see **Figures 4 A-B** for groundwater flow diagrams for the three groundwater gauging events.

3.10 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 once on July 9, 2019, in laboratory-supplied Summa canisters. The analytical report 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 other vapor well appeared to have much lower concentrations.

The vapor wells will be sampled quarterly.

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 fueling system-UST field and dispensers. Soil samples collected from around the UST field and dispenser island revealed concentrations of fuel parameters that exceed their respective MSCs laterally and vertically.

The groundwater within groundwater monitoring wells MW-1 through MW-5 have contained concentrations of fuel parameters exceeding their respective SHS-R MSCs. Samples collected from groundwater monitoring wells MW-5 and MW-6, both on the northern end of the Site, have met their MSCs. Therefore, the groundwater plume appears to have been delineated to the north.

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** and **Benzene** being the exceedances.

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, Benzene, Ethylbenzene, MTBE, Toluene, Xylenes,** and **Naphthalene** being the exceedances.

4.3.2 Distribution

Two (2) groundwater sampling events conducted on the Site show the groundwater plume extending from beneath the UST field north beyond the dispenser island. According to the isoconentration diagrams, the plume spreads east from MW-1 toward MW-4 at the rear of the Site. However, the downgradient point of compliance well MW-4 has shown impact and, therefore, the plume has not been delineated. Additionally, the plume has not been delineated in the upgradient direction beyond MW-3. 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 northeast 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 a stream.

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.

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. 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.

5.2 Groundwater Remediation

Site groundwater may naturally attenuate. Following completed characterization, the groundwater well network will 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 (RAP) so be 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.

6.2 Groundwater

An impacted groundwater plume has been identified beneath the Site extending from the UST field north beyond the dispenser island. Although the initial sampling revealed extensive impact, the confirmatory groundwater sampling event showed slight reduction in concentrations. The extent of the plume is still yet unknown other than to the north where groundwater monitoring wells MW-6 and MW-7 met their MSCs.

7.0 SELECTION OF APPLICABLE PADEP STANDARDS

7.1 Soils

Soil samples collected during this investigation 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. None of the four samples exceed their respective SHS.

7.2 Groundwater

Groundwater samples collected during this investigation were compared to PADEP SHS MSCs for a residential, used-aquifer setting. The groundwater samples revealed reportable concentrations that exceed their MSCs in five of the seven the groundwater monitoring wells. Attainment of the SHS has been selected as the goal for Site groundwater. However, further determination will be made once the characterization has been completed. 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 not been yet been delineated.

8.2 Groundwater

Site groundwater was characterized and found impacted across the center of the Site. The plume has not yet been delineated to the east and south. Once delineation is complete, the groundwater plume 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, the goal for Site soils may be altered following delineation of the plume and groundwater remediation.

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 center of the Site and has not yet been delineated to the east or south. Following successful delineation, 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.

As a result of this investigation, impacted soil and groundwater remains beneath the Site. However, remedial options are being explored, including natural attenuation for groundwater, in an effort to meet Residential SHS for the Site.

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	<0.0050	<0.211	<0.169	**0.431**	**0.5**	**0.5**
Ethylbenzene	<0.0042	<0.0042	**7.21**	<0.358	**0.0326**	**2.55**	**28.1**	**1.86**	**70**	**70**
Isopropylbenzene	<0.0042	<0.0042	**1.21**	<0.358	<0.0050	<0.0031	**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	**0.029**	**7.88**	**1.24**	<0.0064		**74**	**210**
1,2,4-Trimethylbenzene	**26.3**	<0.444	<0.567	**0.013**	**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 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									SOIL MSCs	SOIL MSCs
	MW-1	MW-2	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7		
Sample Depth (Below grade)	NA	NA	NA	NA	NA	NA	NA	NA	NA	RESIDENTIAL	NON-
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		RESIDENTIAL
VOLATILE ORGANIC COMPOUNDS											
1,3,5-Trimethylbenzene	**364**	**3.22**	**8.48**	**1.31**	**49.9**	**150**	**8.33**	<1.0	<1.0	**420**	**1200**
1,2,4-Trimethylbenzene	**1480**	**9.75**	**2900**	**2.76**	**148**	**292**	**18.6**	<1.0	<1.0	**15**	**62**
Benzene	**6030**	**7.68**	**4940**	**2.75**	**84.7**	**3330**	**59.8**	<1.0	**2.11**	**5**	**5**
Ethylbenzene	**2620**	**8.17**	**2720**	**3.10**	**167**	**505**	**6.7**	<1.0	<1.0	**700**	**700**
Isopropylbenzene	**89.8**	**1.07**	**162**	**1.49**	**22.6**	**23.8**	**2.32**	<1.0	<1.0	**840**	**3500**
Methyl tert-butyl ether	**169**	<1.0	**148**	<1.0	<1.0	**20.6**	**22.2**	<1.0	**6.09**	**30**	**30**
Naphthalene	**552**	**4.57**	**1030**	**1.63**	**80**	**99.5**	**3.7**	<1.0	<1.0	**100**	**100**
Toluene	**10300**	**16.1**	**8320**	**3.17**	**15.5**	**1580**	**1.18**	<1.0	<1.0	**1000**	**1000**
Xylenes	**12200**	**36.4**	**12400**	**9.43**	**234**	**2690**	**20**	<2.0	<2.0	**10000**	**10000**

Sample I.D. (Field)	Groundwater Samples							SOIL MSCs	SOIL MSCs
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7		
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**	**30**	**30**
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, Administration of the Land Recycling Act (Act 2) dated August 16, 1997, and as revised November 24, 2001.

McKee Environmental, Inc.

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
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
MW-3	07/08/19	748.59	9.56	24.30	739.03
	09/09/19	748.59	11.92	24.30	736.67
MW-4	07/08/19	748.80	19.83	33.80	728.97
	09/09/19	748.80	20.17	33.80	728.63
MW-5	07/08/19	748.22	20.73	34.00	727.49
	09/09/19	748.22	21.48	34.00	726.74
MW-6	07/08/19	748.02	19.66	27.80	728.36
	09/09/19	748.02	19.68	27.80	728.34
MW-7	07/08/19	747.76	23.23	31.94	724.53
	09/09/19	747.76	24.11	31.94	723.65

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	Screening Values	Screening Values	Screening Values
Sample Date	7/9/19	7/9/19	Residential	Non-Residential	Converted Res
			EPA TO-15	EPA TO-15	EPA TO-15
VOLATILE ORGANIC COMPOUNDS					
Benzene	<3,900	**11000**	**620**	**16000**	**3100**
Cumene	<3,800	<880	**83000**	**1800000**	**350000**
Ethylbenzene	<3,800	**7500**	**1900**	**49000**	**9800**
MTBE	<3,800	<880	**19000**	**470000**	**94000**
Toluene	<3,800	**1900**	**1000000**	**22000000**	**4400000**
1,2,4-TMB	<3,800	**2600**	**1500**	**31000**	**6100**
1,3,5-TMB	<3,800	**1300**	**1500**	**31000**	**6100**
m/p-Xylene	<3,800	**10000**	—	—	—
o-Xylene	<3,800	**1500**	—	—	—
Naphthalene	—	—	—	—	—

Notes:

- <0.19= Parameter not detected at the detection limit.
- Medium-Specific Concentrations (MSCs) were established in the Updated Vapor Guidance Manual date 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-B - Groundwater Flow Diagrams

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

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

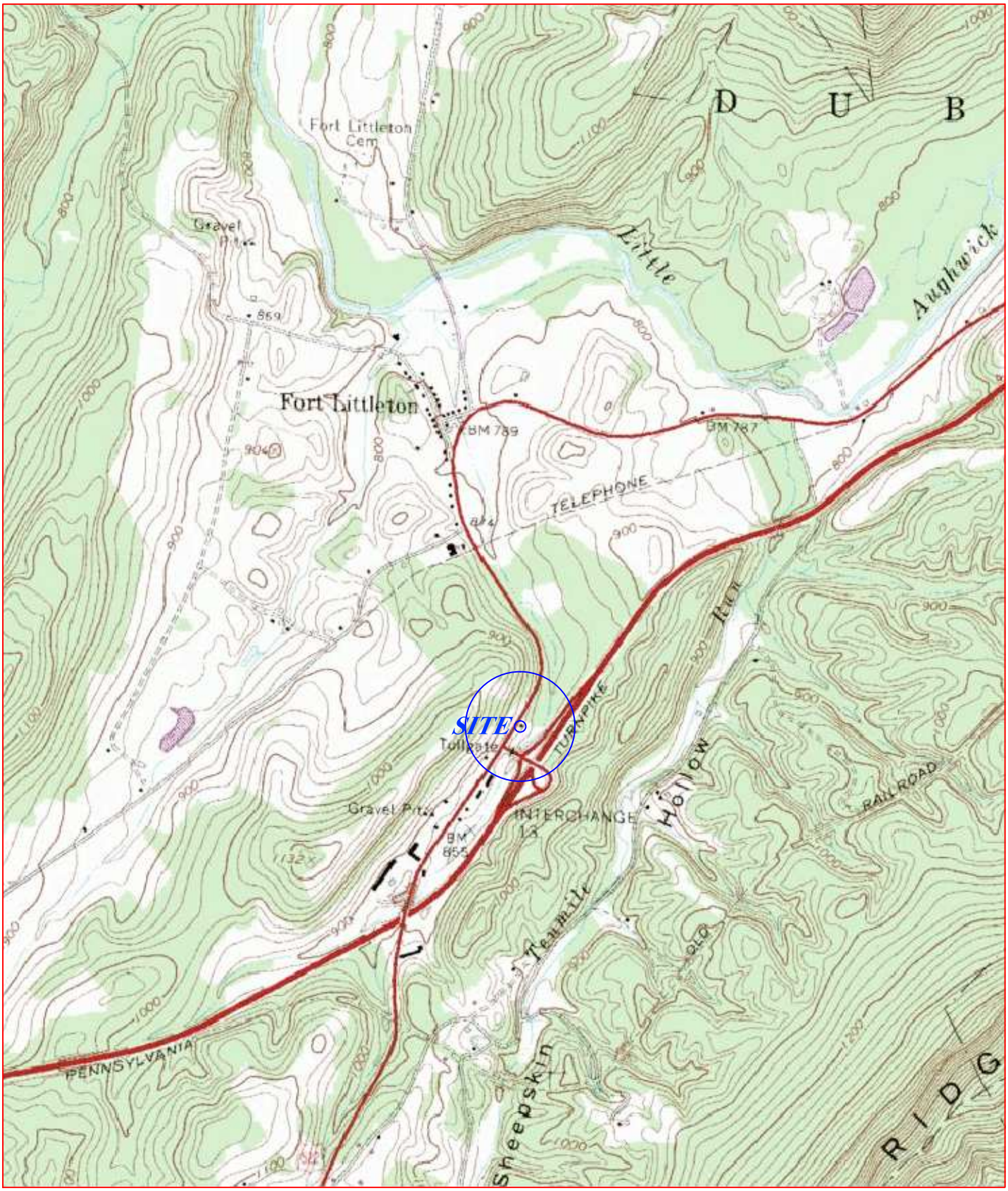


FIGURE 1

SITE TOPOGRAPHIC MAP
FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SITE CHARACTERIZATION

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PENNSYLVANIA

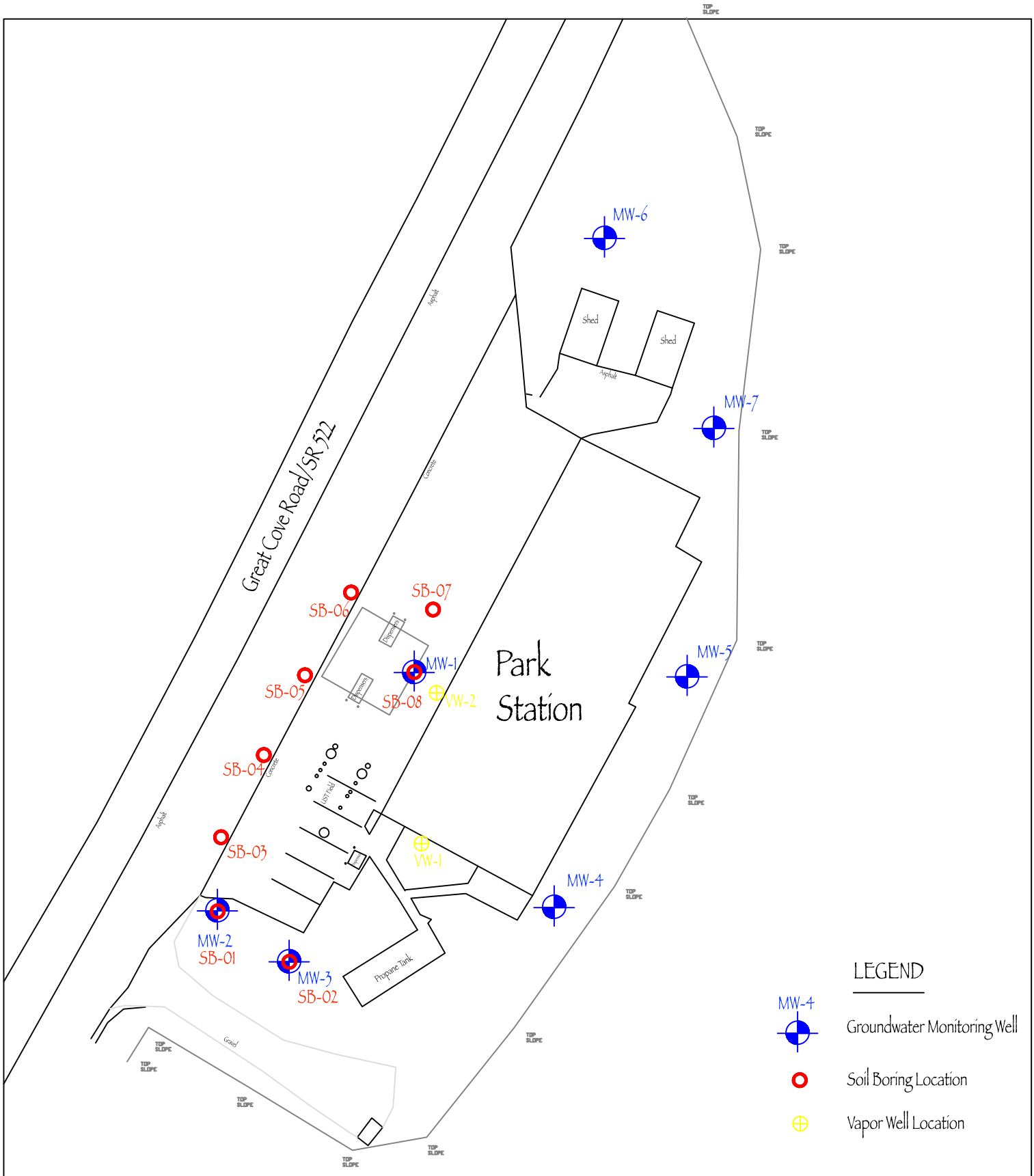
FIGURE 4

AREA MAP
FORT LITTLETON, PENNSYLVANIA
FULTON COUNTY

McKee Environmental, Inc.

SITE CHARACTERIZATION

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON, PENNSYLVANIA



LEGEND

MW-4 Groundwater Monitoring Well

Soil Boring Location

Vapor Well Location

DATE:	10/9/19
DRAWN BY:	DSM
SCALE:	1" = 20'
	FIGURE 3

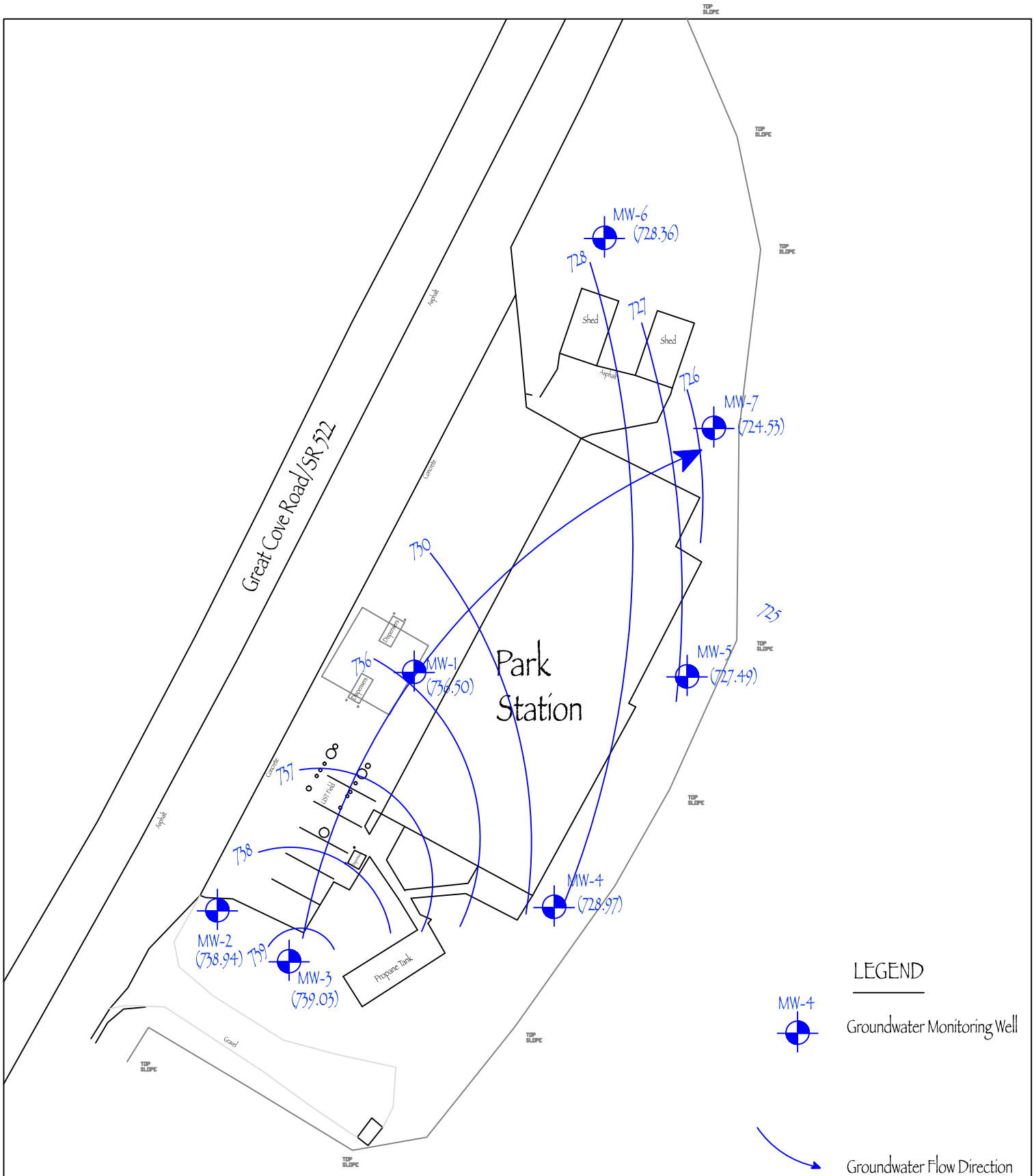
McKee Environmental, Inc.

SITE CHARACTERIZATION

BORING AND WELL LOCATIONS

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

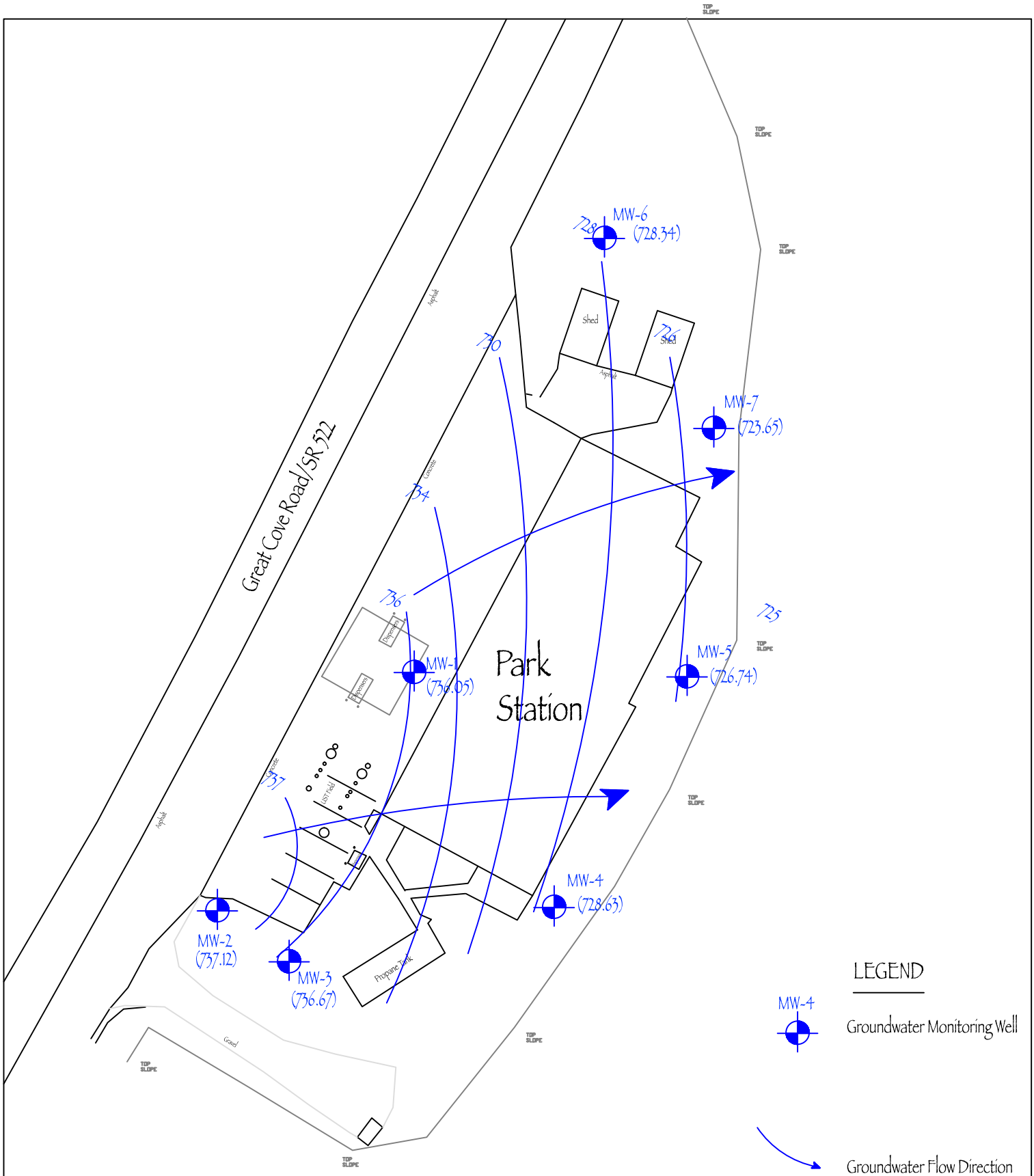
McKee Environmental, Inc.

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

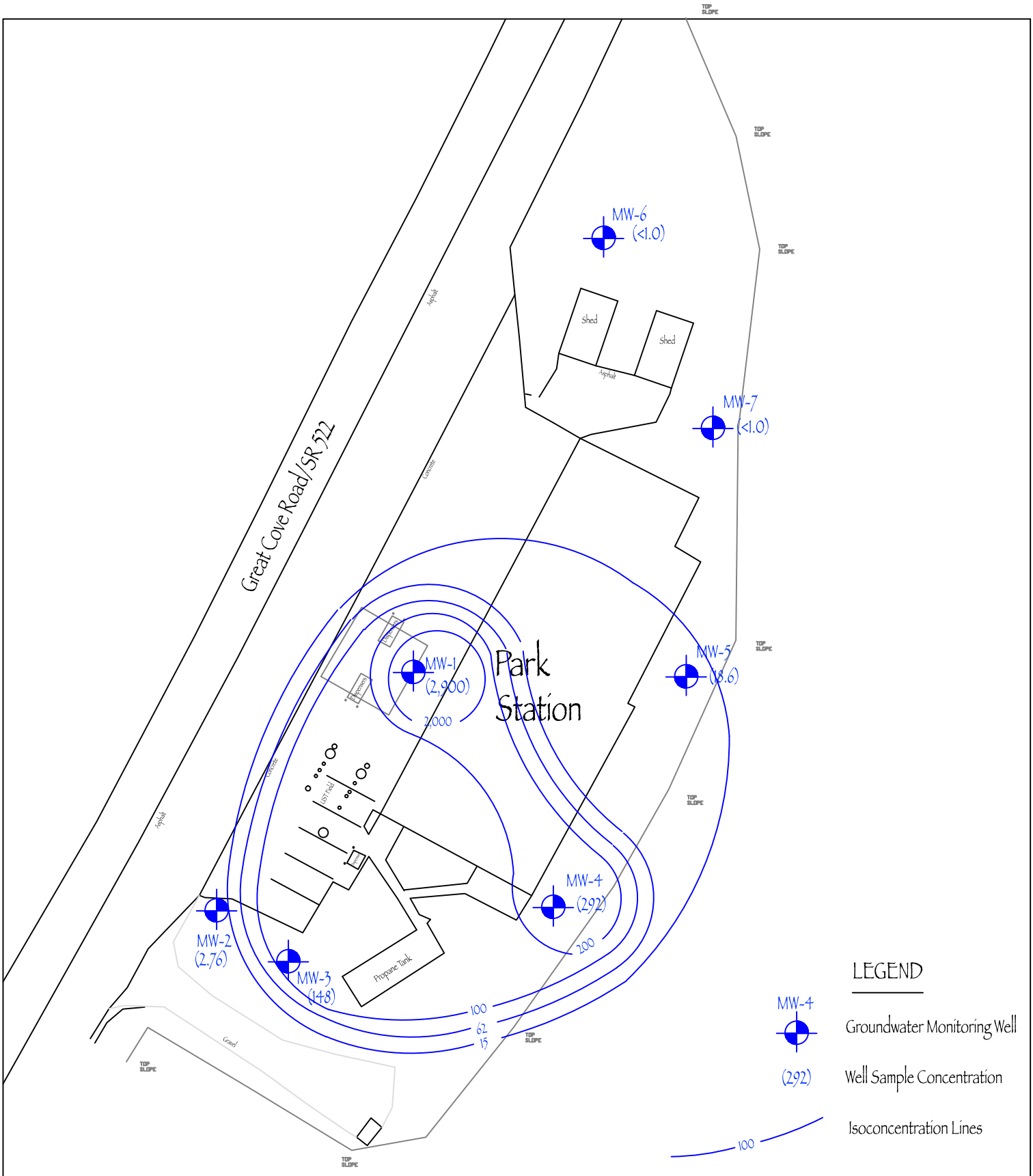
McKee Environmental, Inc.

SITE CHARACTERIZATION

GWC DIAGRAM
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 5A

McKee Environmental, Inc.

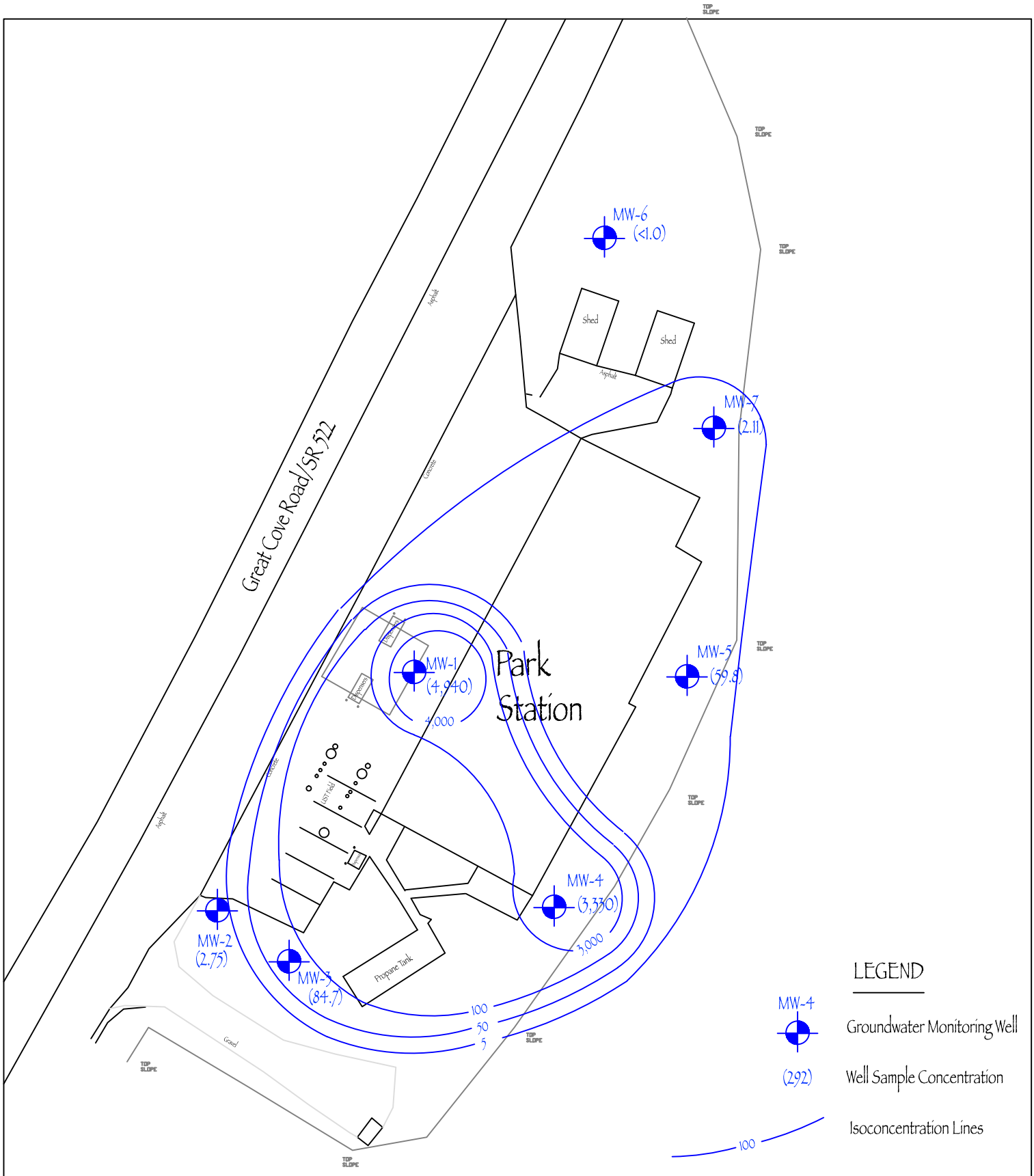
SITE CHARACTERIZATION

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.

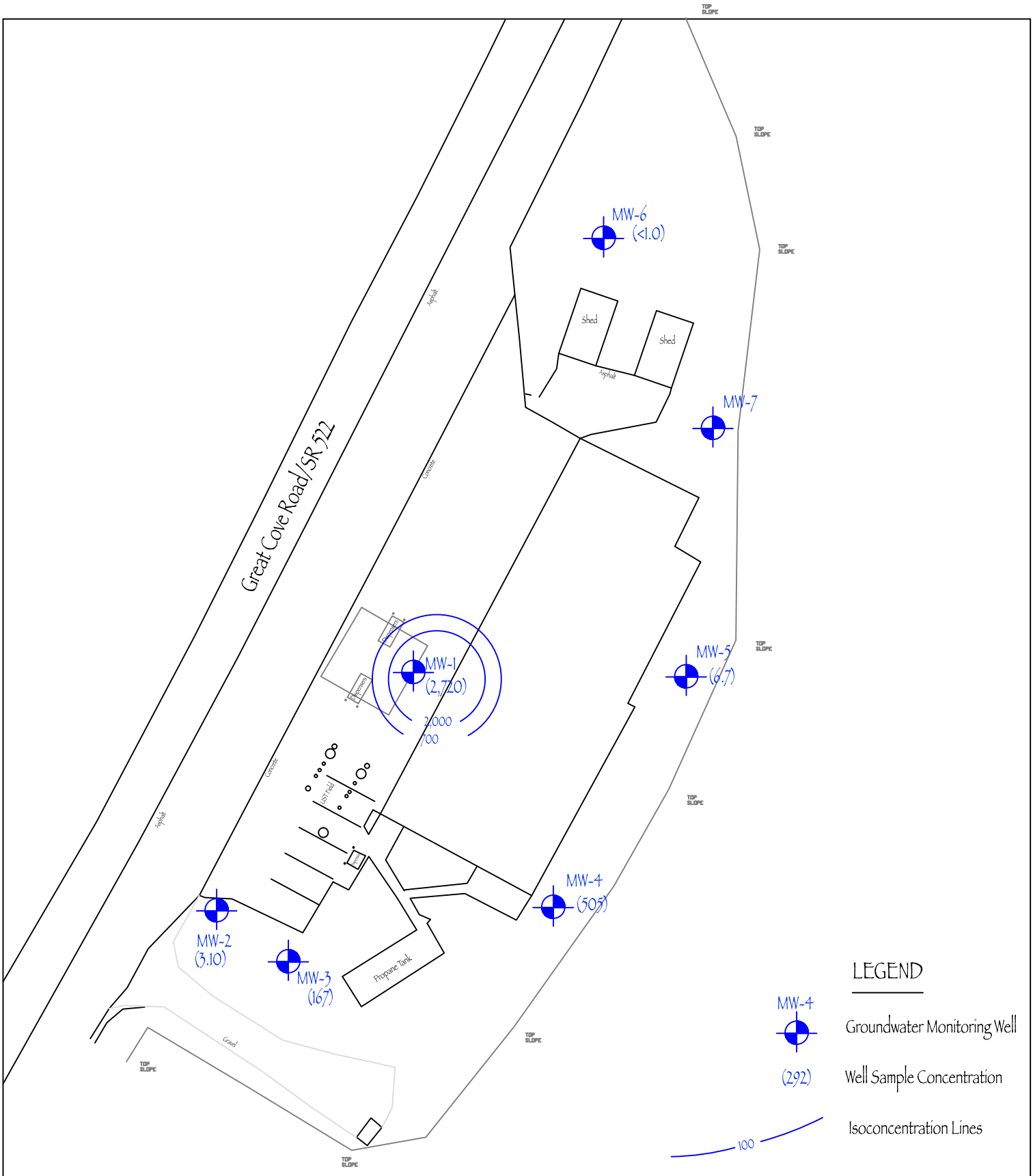
SITE CHARACTERIZATION

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



LEGEND

MW-4 — Groundwater Monitoring Well

(292) — Well Sample Concentration

100 — Isoconcentration Lines

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

McKee Environmental, Inc.

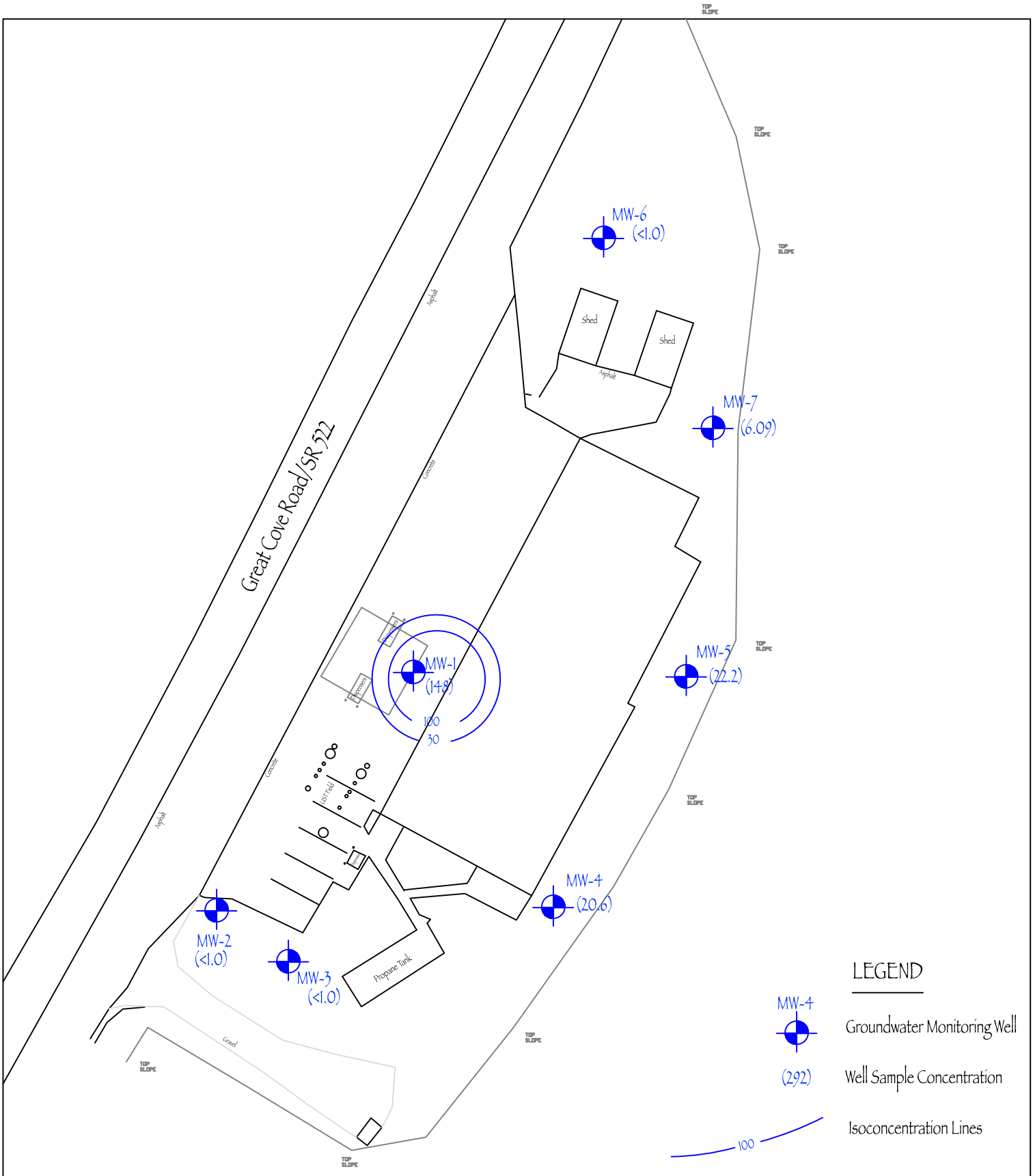
SITE CHARACTERIZATION

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.

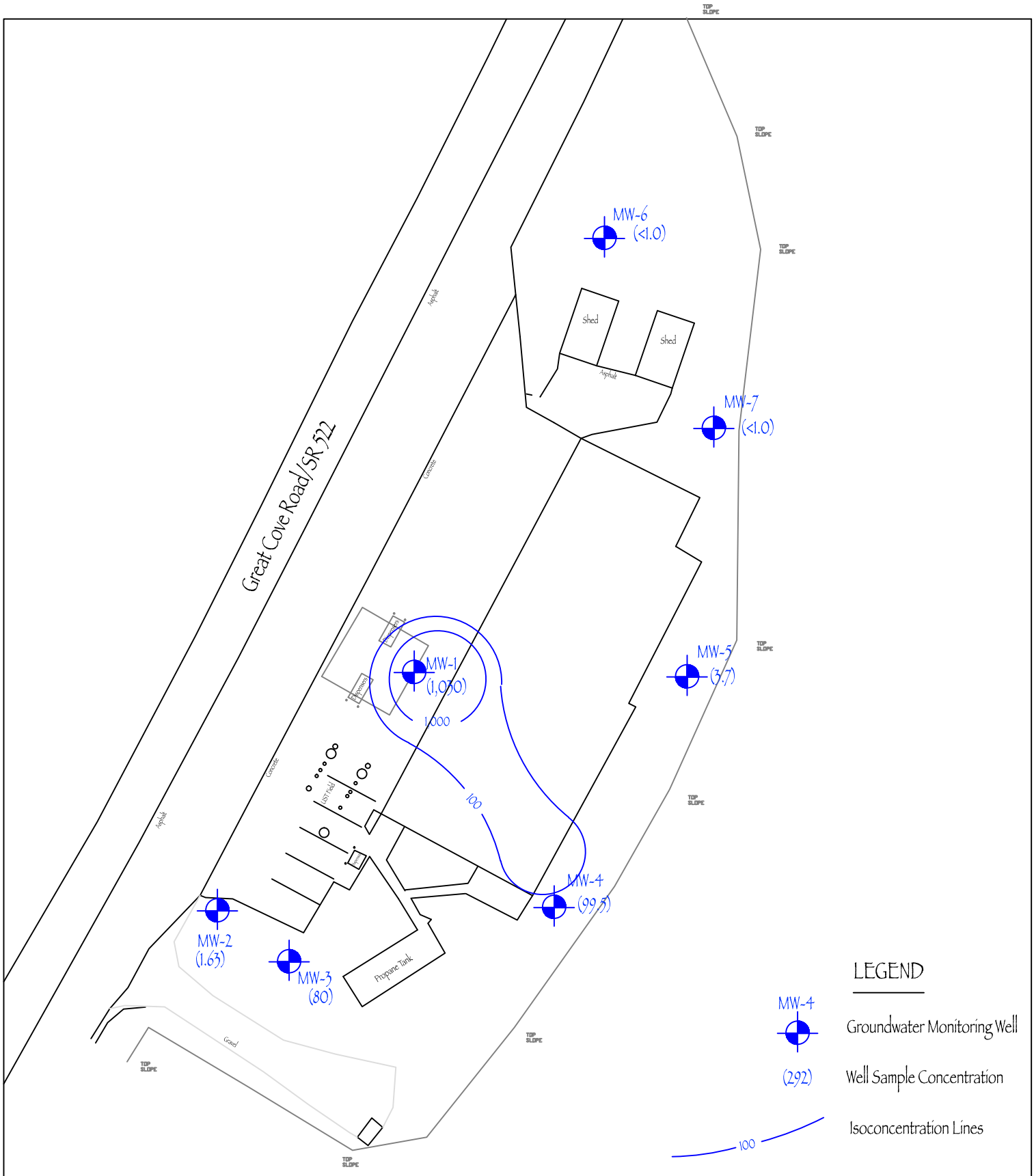
SITE CHARACTERIZATION

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.

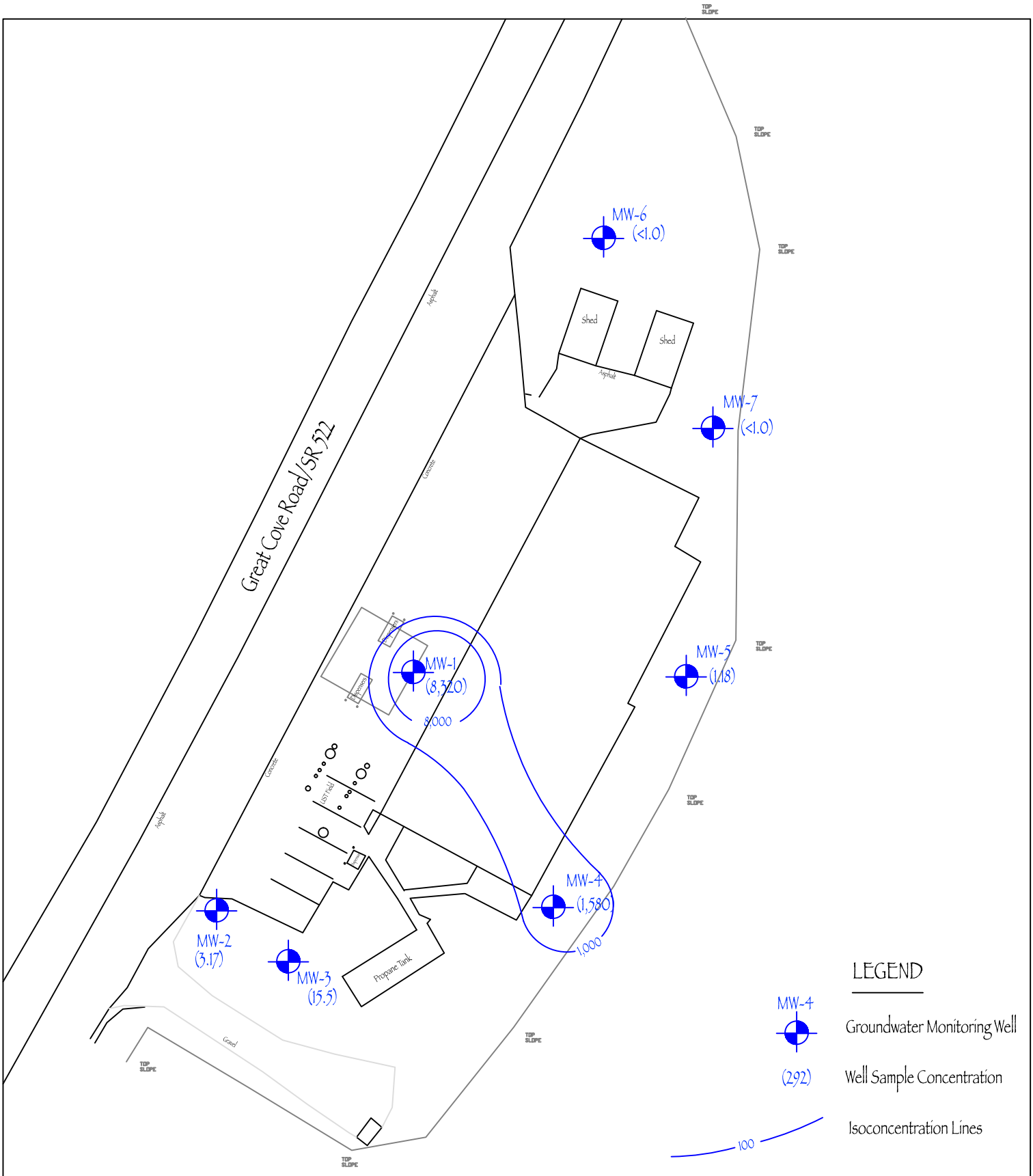
SITE CHARACTERIZATION

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.

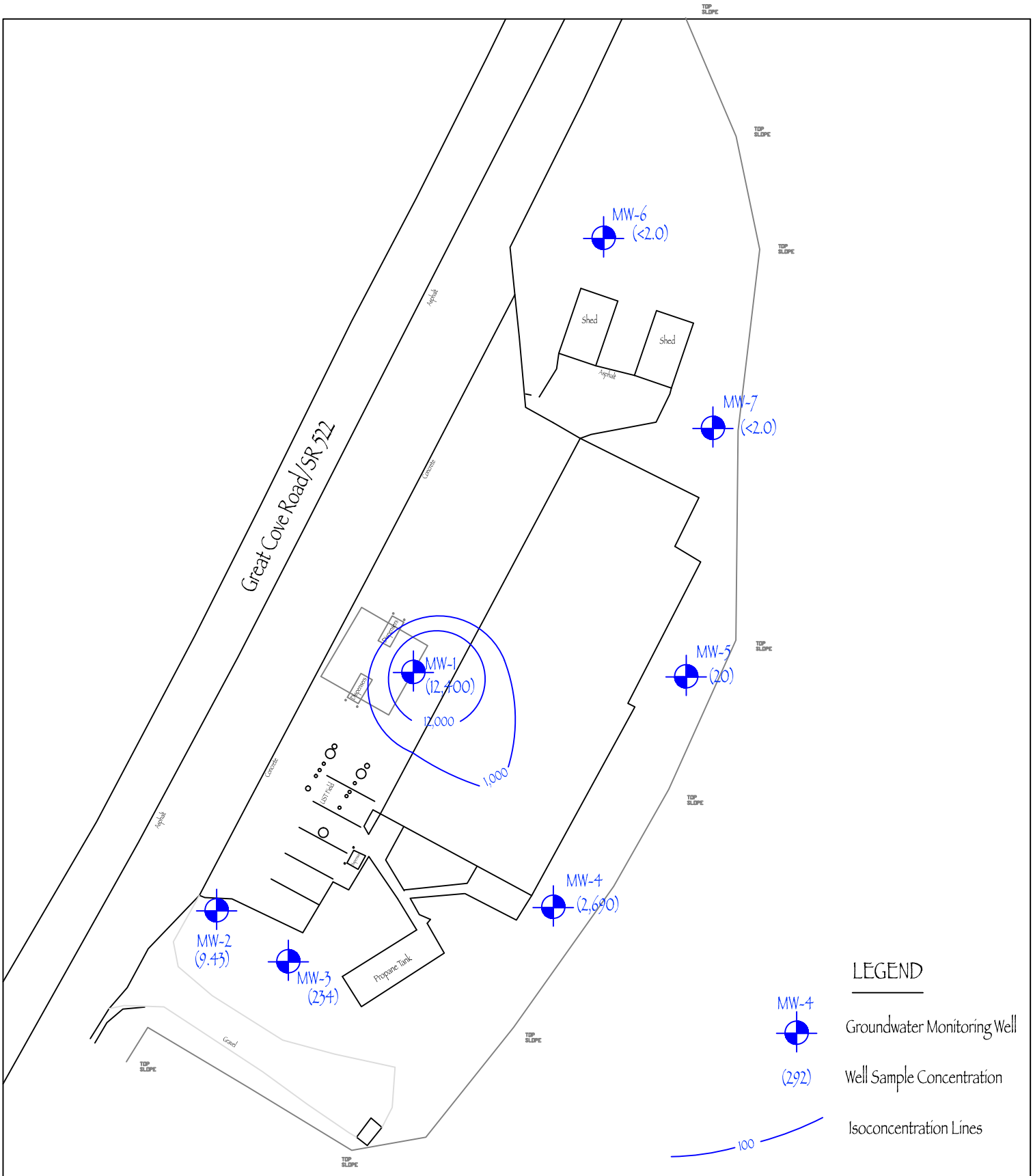
SITE CHARACTERIZATION

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.

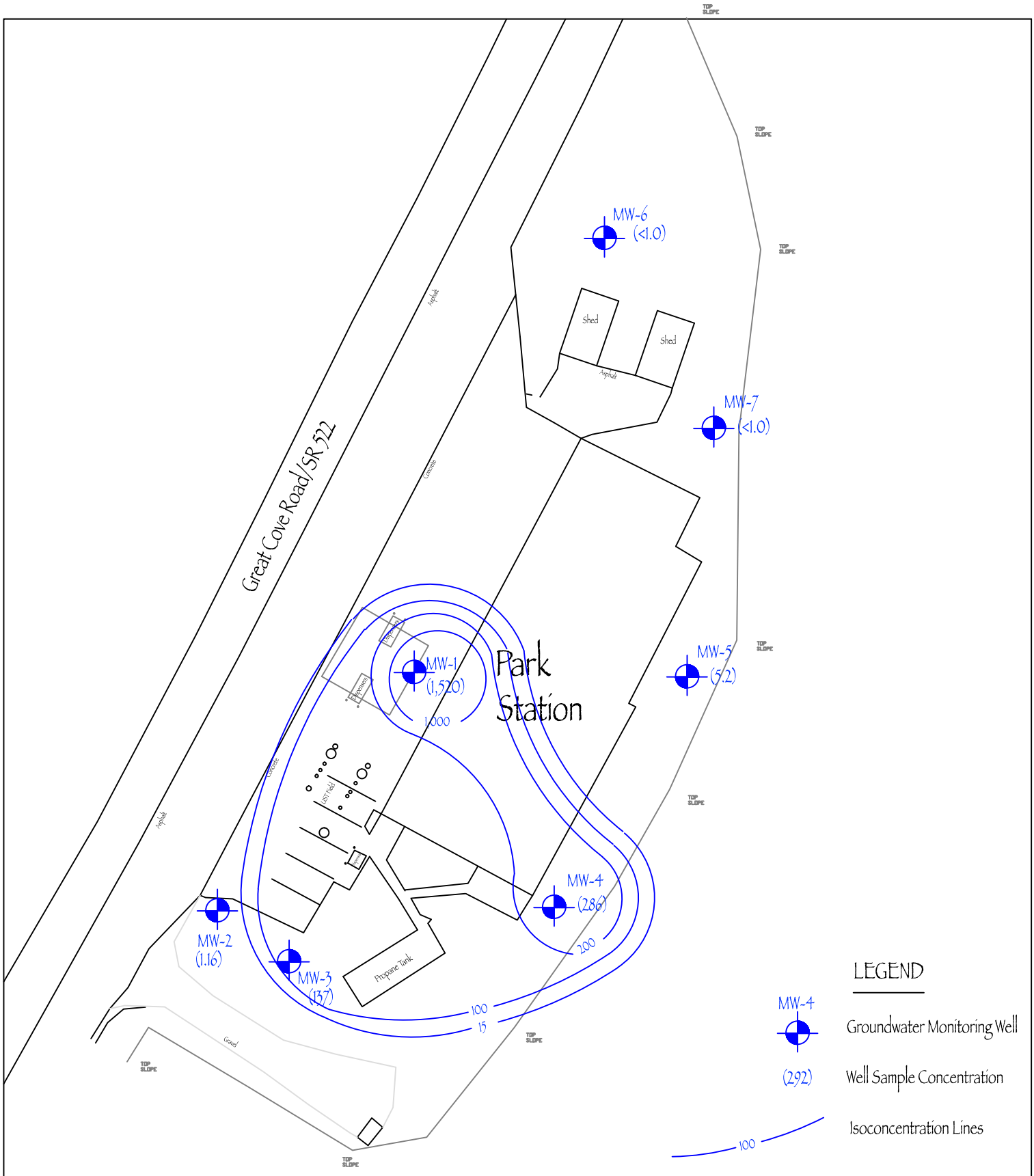
SITE CHARACTERIZATION

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

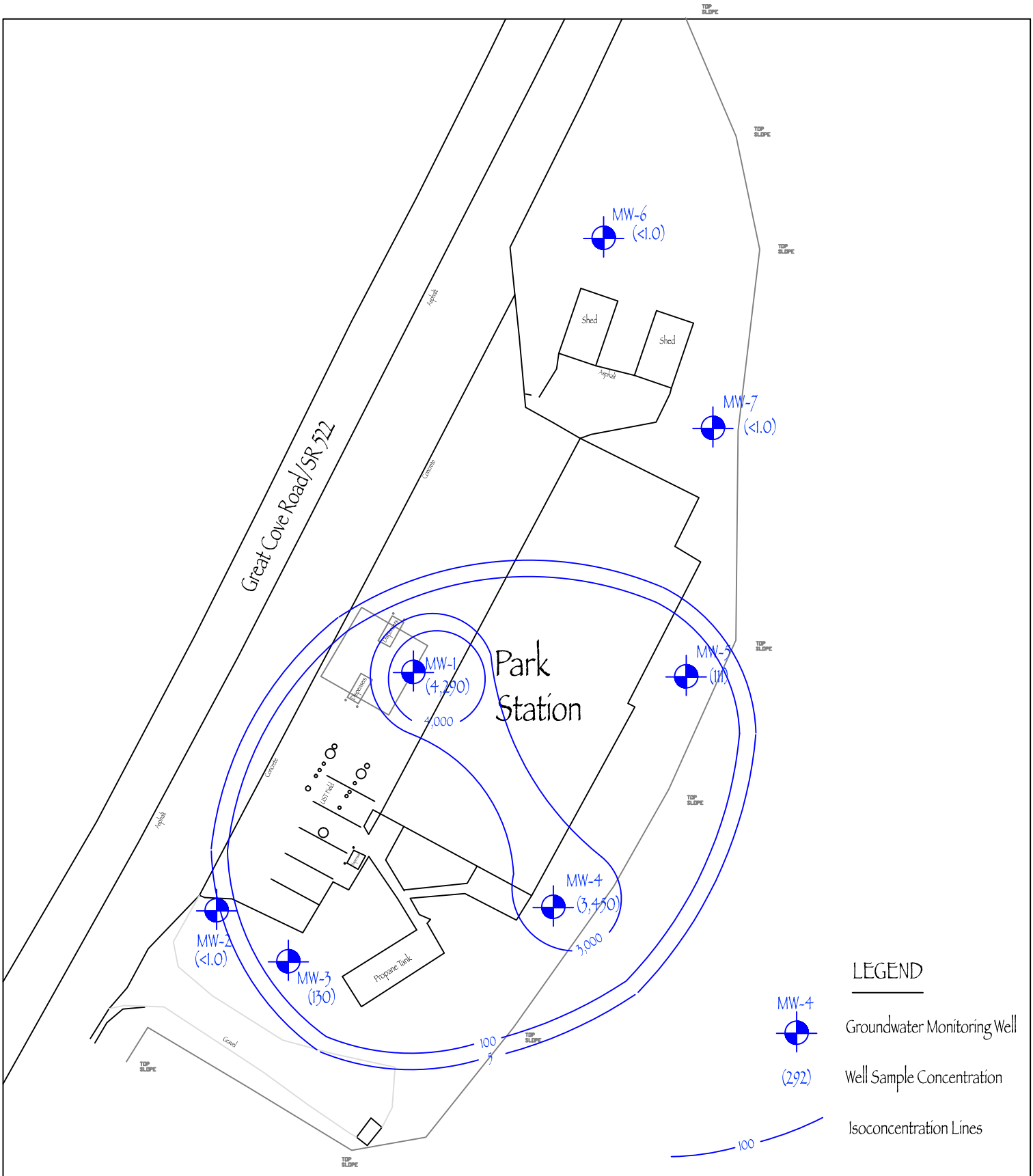
McKee Environmental, Inc.

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.

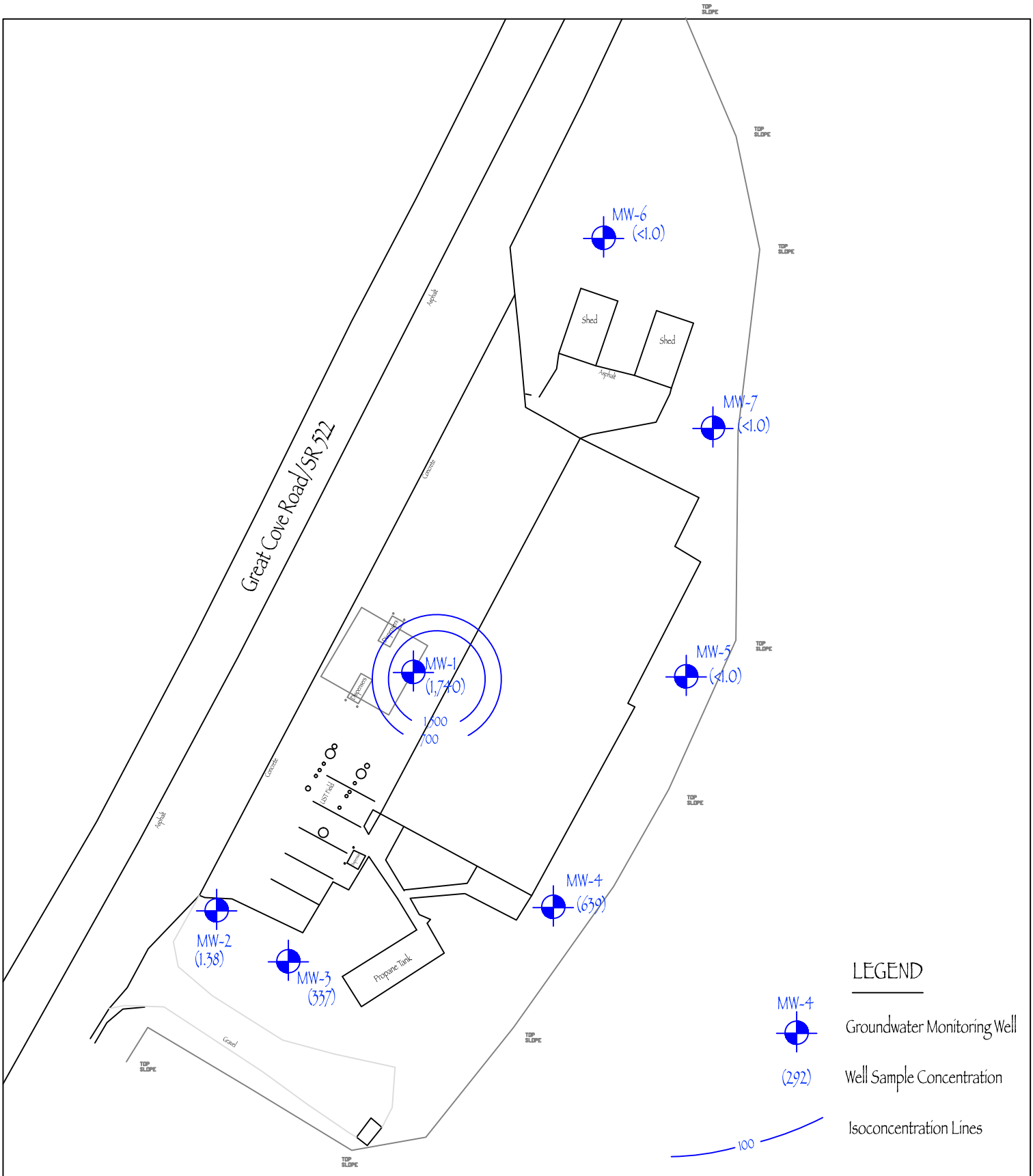
SITE CHARACTERIZATION

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.

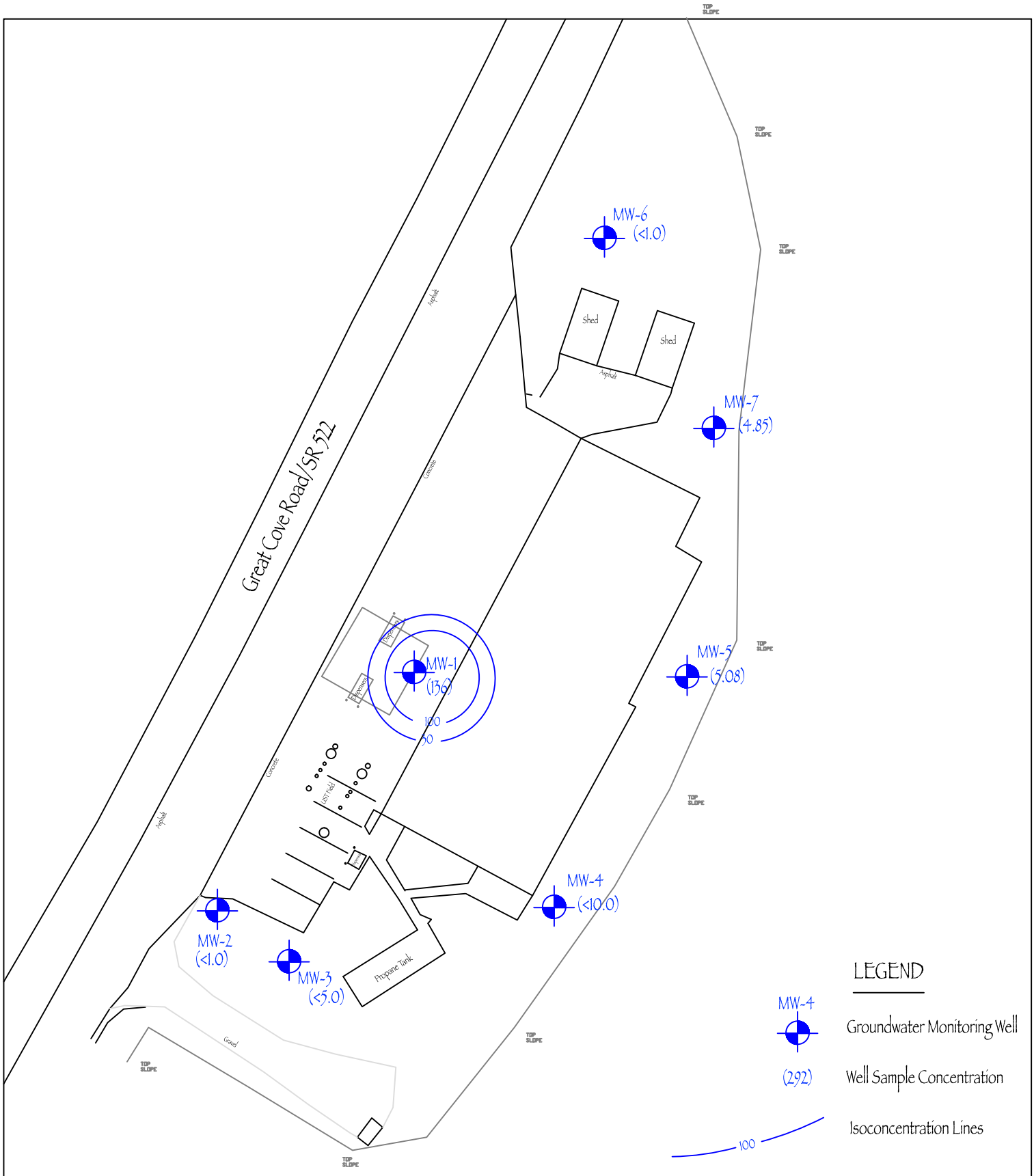
SITE CHARACTERIZATION

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.

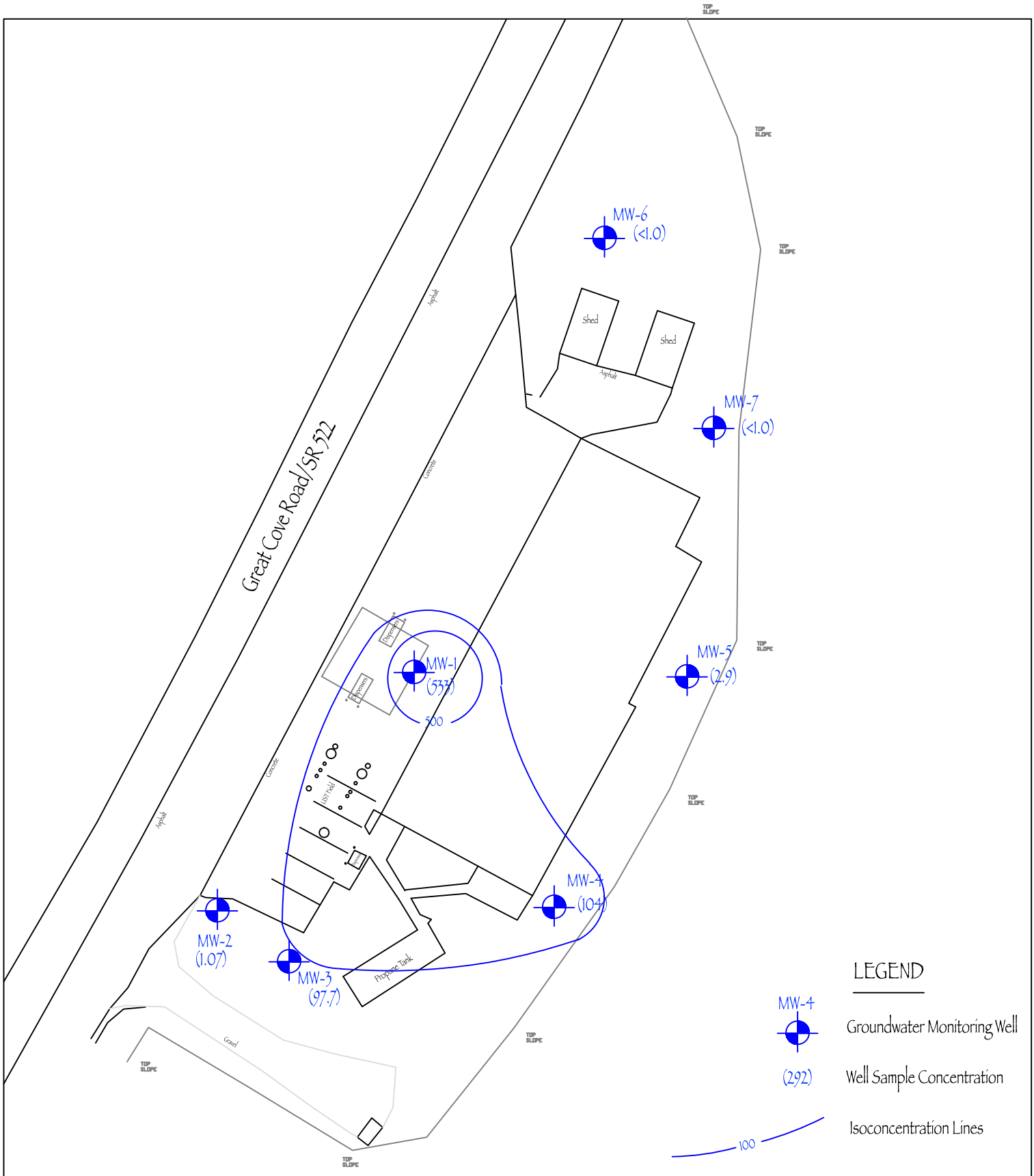
SITE CHARACTERIZATION

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.

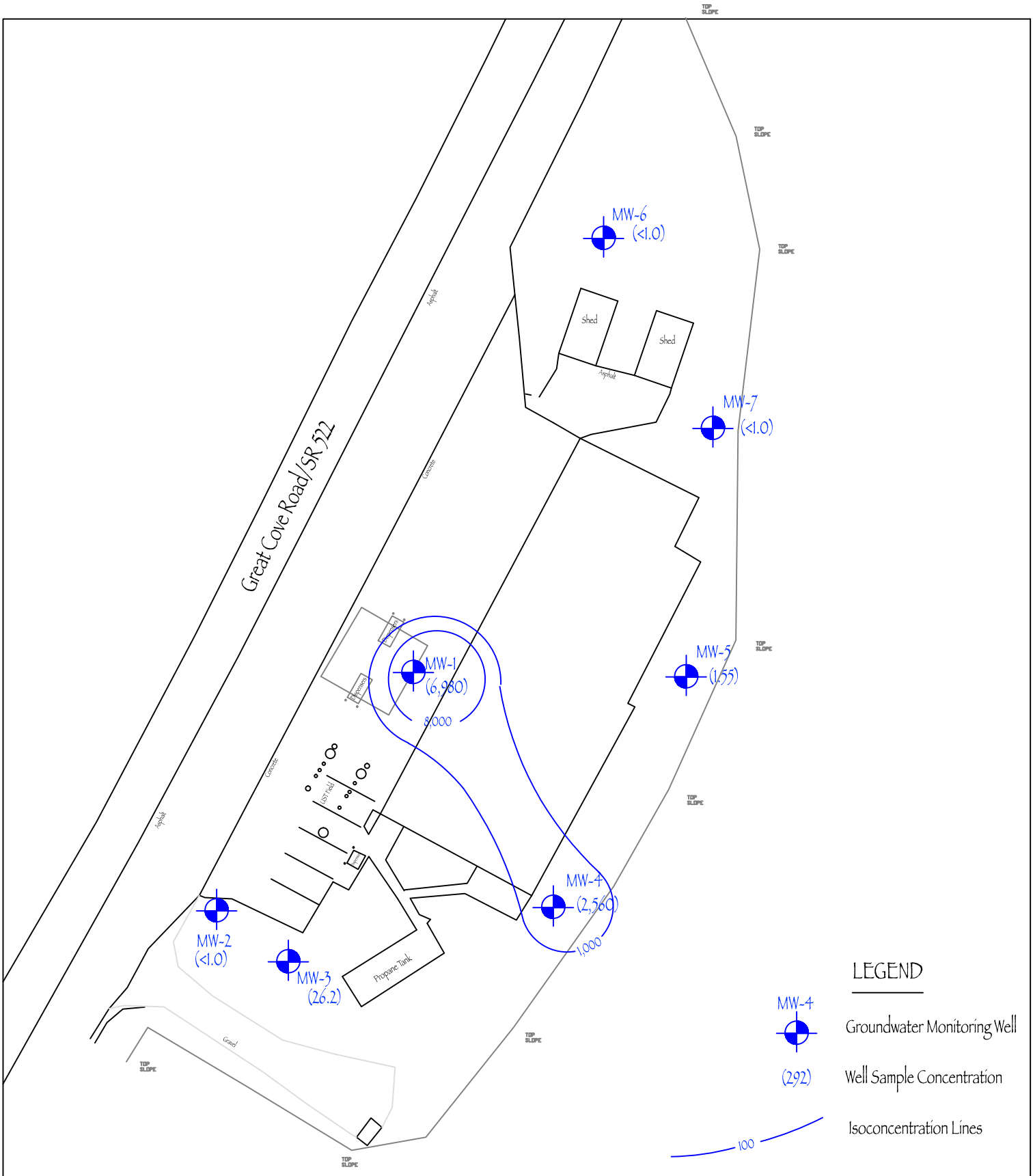
SITE CHARACTERIZATION

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

APPENDICES

Appendix A - Boring Logs and Groundwater Well Construction Figures

Appendix B - Soil and Groundwater and Vapor Analytical Reports

Appendix C - Supporting Documentation

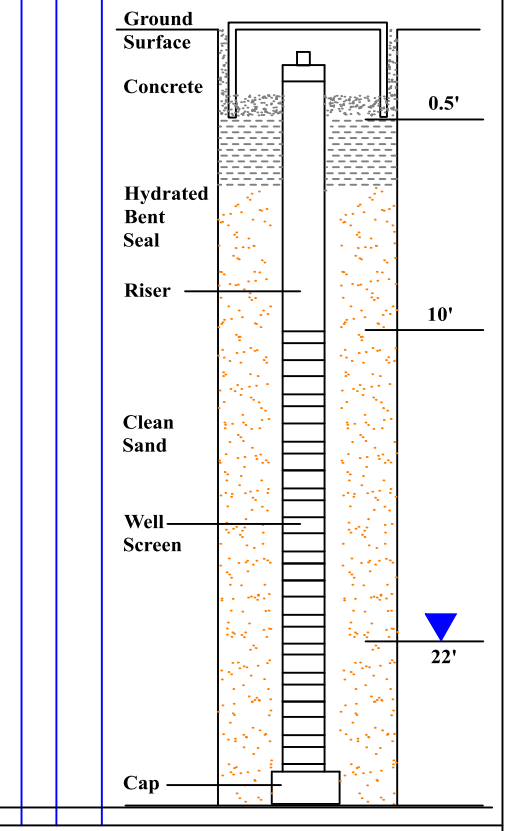
PROJECT: Park Station

LOCATION: 29558 Great Cove Road Fort Littleton, PA

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
	0		GROUND SURFACE						
			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		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor		15	100+	X		
	20								
	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

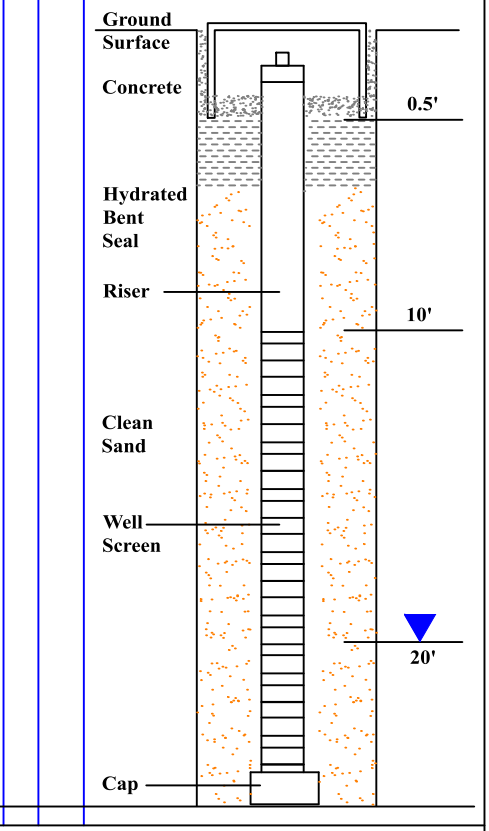
PROJECT: Park Station

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
	0		GROUND SURFACE					
			STONE/FILL- Crushed Gravel; Dark Grey to Black; Dry		0	0		
			Orange Brown Silty CLAY; Crushed Stone; Moist throughout		5			
	5							
	10		Gray Soft SILT; Moist; Fuel Odor Brown Stout CLAY, Mottled, Moist, Thick			100+		
	15		Orange Brown Silty CLAY; Moist		15	100+	X	
					18	100+	X	
	20							
	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

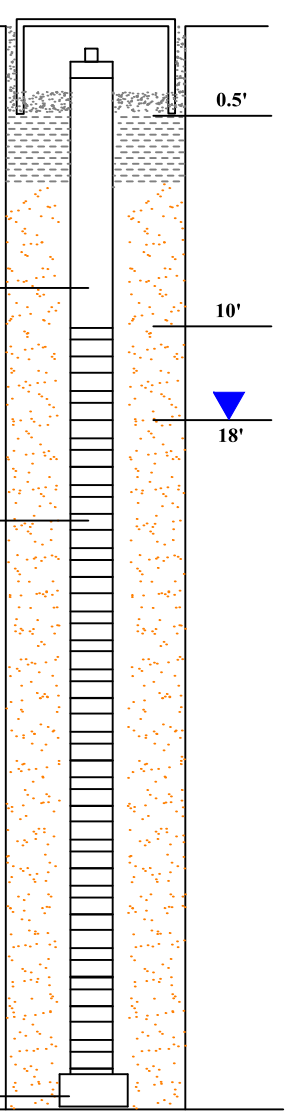
PROJECT: Park Station

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	5								Hydrated Bent Seal
									Riser
10	10								10'
									Clean Sand
									18'
15	15		Orange Brown Silty CLAY; Moist		15	0			Well Screen
20	20					0			
			Orange Brown Silty CLAY; Moist to Wet						
25	25					0			
30	30								
35	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

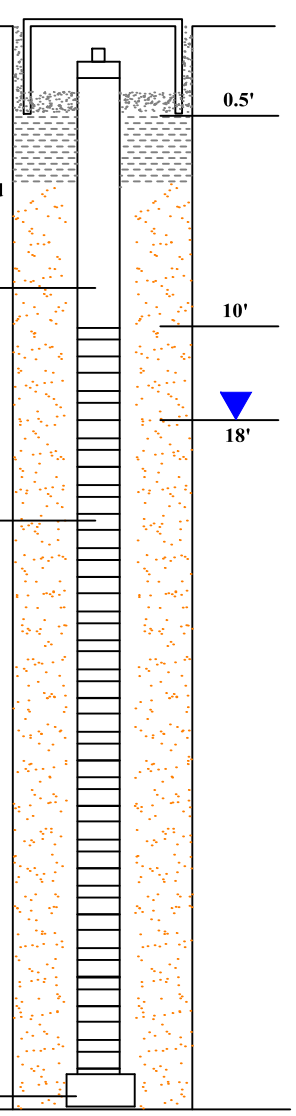
PROJECT: Park Station

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

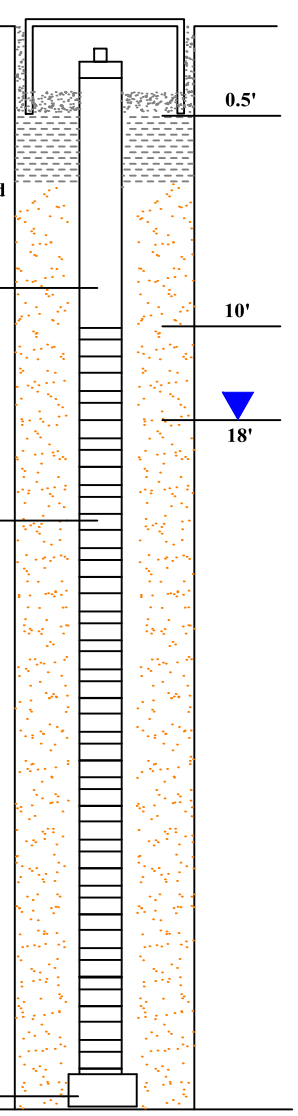
PROJECT: Park Station

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			
			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-6

PARK STATION
29558 GREAT COVE ROAD
FORT LITTLETON , PENNSYLVANIA

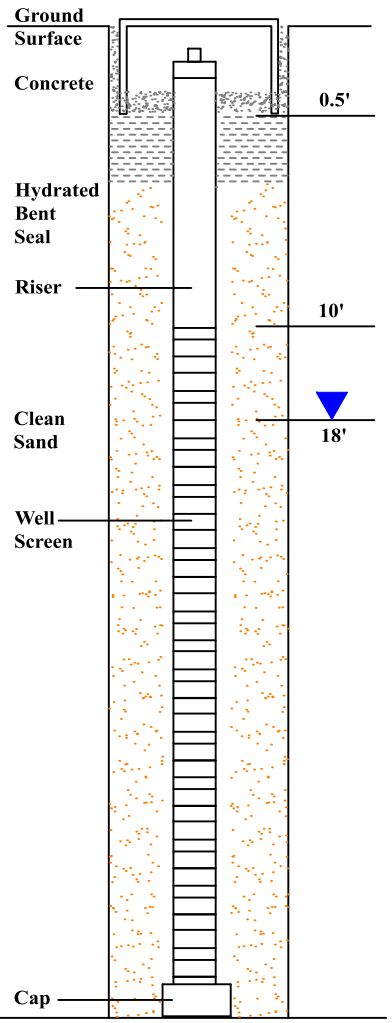
PROJECT: Park Station

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

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	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+			
10					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.
15									
	20								
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	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			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	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			Brown Silty CLAY; Moist to Wet; Strong Fuel Odor						
10	10		Orange Brown Silty CLAY; Moist; Strong Fuel Odor @15' Grey/Orange Brown Silty CLAY, Moist,		10	100+			
15	15				15	100+	X		Soil Sampled (SB-0620-05@15'). Obvious fuel odors.
20	20		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor @20'		20	100+	X		Soil Sampled (SB-0620-05@20'). Obvious fuel odors.
25	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		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+			Soil Sampled (SB-0620-07@10'). Obvious fuel odors.
	15				15	100+	X		Soil Sampled (SB-0620-07@15'). Obvious fuel odors.
	20		Orange Brown Silty CLAY Moist to Wet Strong Fuel Odor		20	100+	X		Soil Sampled (SB-0620-07@20'). Obvious fuel odors.
	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

2019 Ninth Avenue
PO Box 1925
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:	PARKS	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	03/19/19 15:52
Project Manager:	Doug McKee	Number of Containers:	2	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
POTABLE WATER	9C12118-01	Water	Grab	03/12/19 11:00	03/12/19 15:50

Client Sample ID: **POTABLE WATER** **Date/Time Sampled:** 03/12/19 11:00

Laboratory Sample ID: **9C12118-01 (Water/Grab)**

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Volatile Organic Compounds by EPA Method 8260B/Prep Method 5030								
1,3,5-Trimethylbenzene	6.06		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
1,2,4-Trimethylbenzene	43.0		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Benzene	6.99		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Toluene	<1.00		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Ethylbenzene	9.23		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Xylenes (total)	3.37		2.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Isopropylbenzene	2.18		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Methyl tert-butyl ether	<1.00		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Naphthalene	6.09		1.00	ug/l	03/13/19 23:32	EPA 8260B	bag	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*70-130*		*03/13/19 23:32*	*EPA 8260B*	bag	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*03/13/19 23:32*	*EPA 8260B*	bag	
Surrogate: Fluorobenzene		*110 %*	*70-130*		*03/13/19 23:32*	*EPA 8260B*	bag	

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

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:	PARKS	
86 Quartz Drive	Project Number:	[none]	**Reported:**
Bellefonte PA, 16823	Collector:	CLIENT	03/19/19 15:52
Project Manager: Doug McKee	Number of Containers:	2	

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.

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.

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PaDEP: PA 41-04684

State Certifications: MD 275, WV 364

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McKee Enviromental		Project:	PARKS	
86 Quartz Drive		Project Number:	[none]	**Reported:**
Bellefonte PA, 16823		Collector:	CLIENT	03/19/19 15:52
Project Manager:	Doug McKee	Number of Containers:	2	

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

#1

Client Page # 1 of 1

Client Name: MCKEE ENVIRO
Address:
Contact: DOUG MCKEE
Phone #:
Fax #:
Project Name: PARK'S
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 # 9C12118
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 GASOLINE (U.L.) SHORT LIST	Bottle Type/Comments
POTABLE WATER	X				3/12/19	1100		X		2	X	1.9g

		Date	Time
Sampled by: (Signature)	Received by:		
Relinquished by:	Received by:	3/12/19	1315
Relinquished by:	Received by:		
Relinquished by:	Received by:	3/12/19	1555

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 25 | Date: February 4, 2019 | Page of #2

Chain of Custody Receiving Document

Page 2 of 2

Receiver: BG

Date/Time of this check: 3/12/19 1055 Client: McKee Env. Lab # 9C12118

Received on ICE? Y ☐ * **Sample Temperature when delivered to the Lab:** 1.9 °C **Acceptable?** Y ☐ * **or In cool down process?** ☐ *

(Not applicable for WV compliance)

Custody Seals? No 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				

*** 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: _____

This is a date sensitive document and may not be current after February 7, 2019

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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 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

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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 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]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	89

Reported: 07/09/19 13:23

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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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-0620-04@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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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-0620-07@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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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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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	

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]
Bellefonte PA, 16823		Collector:	DM
Project Manager:	Doug McKee	Number of Containers:	89

Reported:
07/09/19 13:23

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.

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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 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 # 1
FLI Page # 1 of 3
Tracking #

Analyses Requested
PADEP UST Short List Gasoline & Diesel Fuel

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	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:		
Relinquished by:	6/24/19 1910	Received by:		
Relinquished by:		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	▼			▼	▼	

Sampled by: (Signature)

	Date	Time
Relinquished by:	6/24/19	1200
Relinquished by:	6/24/19	1910
Relinquished by:		

	Date	Time
Received by:	6/24/19	1332
Received by:		
Received by:		
Received by:	6/24/19	1910

Remarks

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

Chain of Custody Receiving Document

#3

Page 3 of 3

Receiver: QC

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? 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-Methyl	Other ☐ *	Properly Preserved ☐ *	Bacti	☐ * Internal notification completed for deviations
1							2 SubS	1 - 4oz jar	Y		
2									N/A		

* 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:	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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PO Box 1925
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-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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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-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]	**Reported:**
Bellefonte PA, 16823		Collector:	DM	07/24/19 17:04
Project Manager:	Doug McKee	Number of Containers:	14	

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 #:

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 UL GAS LIST SHORT LIST

LAB USE ONLY
Work Order # 9G09063
Attach #
FLI Page # 2 of
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
MW-1	X				7/8/19	1300		X		2	
MW-2	↓					1230		↓		↓	
MW-3						1215					
MW-4						1200					
MW-5						1130					
MW-6						1305					
MW-7	↓					1300		↓		↓	
					↓	~~1100~~					

Military or AM/PM required

		Date	Time
Sampled by (Signature)			
Relinquished by:		Date	Time
Relinquished by:		7/9/19	1225
Relinquished by:		7-9-19	1407

		Date	Time
Received by:		7/9/19	1035
Received by:		Date	Time
Received by:		7-9-19	1225
Received by:		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

SOP FLI0601-002 Attachment G | Revision 26 | Date: May 22, 2019 | Page of #2

Chain of Custody Receiving Document

Page 2 of 2

Receiver: BNG

Date/Time of this check: 7/9/19 1414 Client: McKee Lab # 9G0490123

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: Wtr

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		N		
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: _____

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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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(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:	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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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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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.

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
#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 VOC LIST	Bottle Type/Comments
MW-1	X				9/9/19	1100		X		2	X	4 6°C
MW-2	↓				↓	1245		↓		↓	↓	3 5°C
MW-3						1250						3.1°C
MW-4						1215						5.6°C
MW-5						1145						3.3°C
MW-6						1100						4.4°C
MW-7	↓				↓	1130		↓		↓	↓	4.3°C

Military or AM/PM required

		Date	Time
Sampled by: (Signature)	Received by:		
Relinquished by:	Received by:	9/9/19	1540
Relinquished by:	Received by:	9/9/19	1630
Relinquished by:	Received by:	9/9/19	1705

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 1619 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: _____

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.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
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

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:

Phone: | Fax:

Email Address for Result Reporting:

Sampler (Print & Sign): DOUGLAS S. MCKEE

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	1550101l	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:	Time:	Received by: (Signature)	Date:	Time:
	7/10/19	1100		7/11/19	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

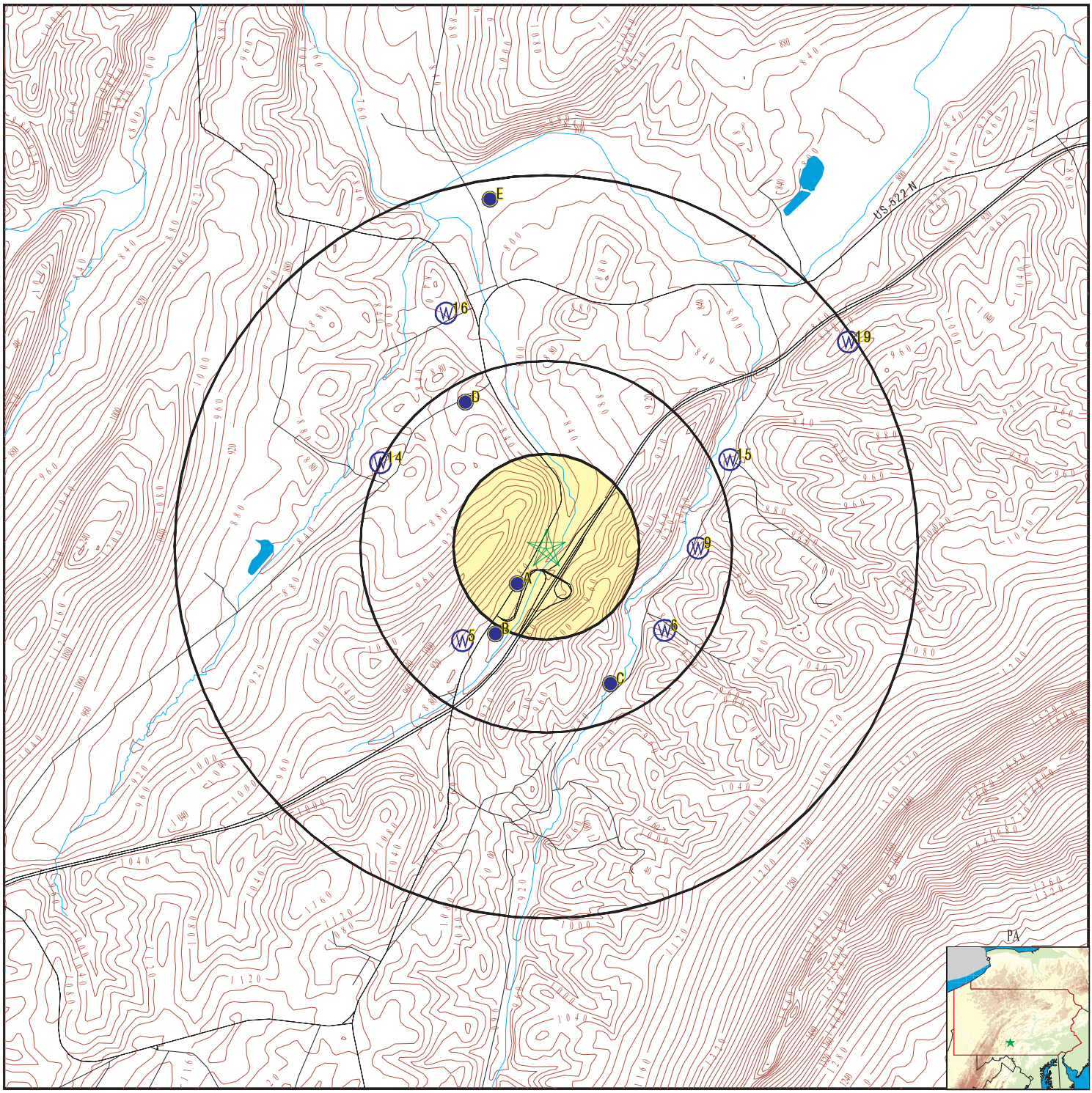
Client: **McKee Environmental, Inc (PA)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1904162
Client Project ID: **PARK STATION** ALS Sample ID: P190724-LCS

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.

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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
Oil, gas or related wells

N

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

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Areas POI -
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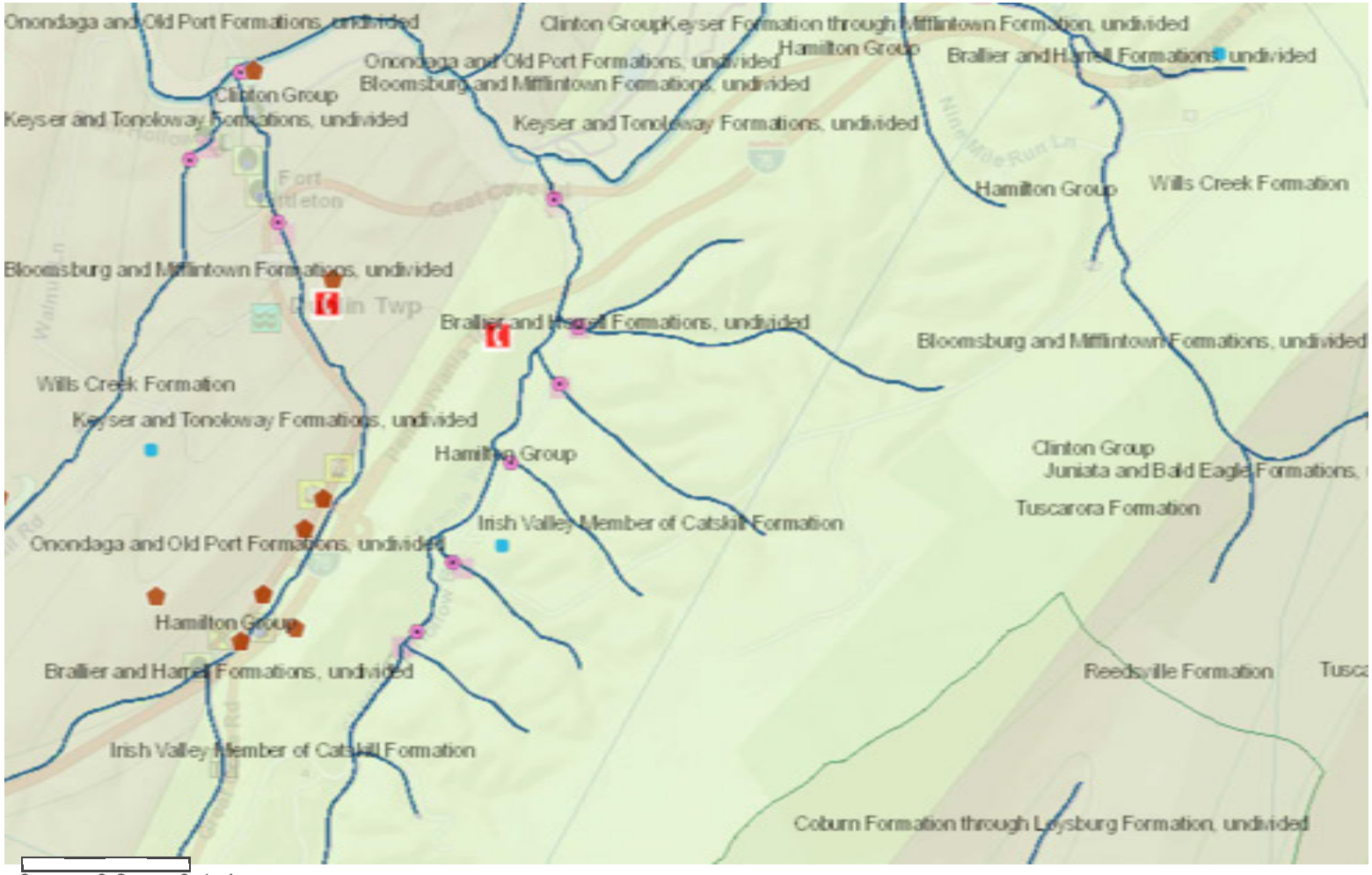
Map | eFacts Query | Advanced Query

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

Site Details

Site ID:	575417
Site Name:	PARK STATION
Address:	29558 GREAT COVE RD FORT LITTLETON, PA 17223-9636
Status:	Active

Clients (1)

Client List
ANDREW W PARK (185512)

Programs (1)

DEP Programs
Environmental Cleanup & Brownfields

PA Municipalities (1)

Municipalities/Counties
Dublin Twp, Fulton County

Site Permits (0)

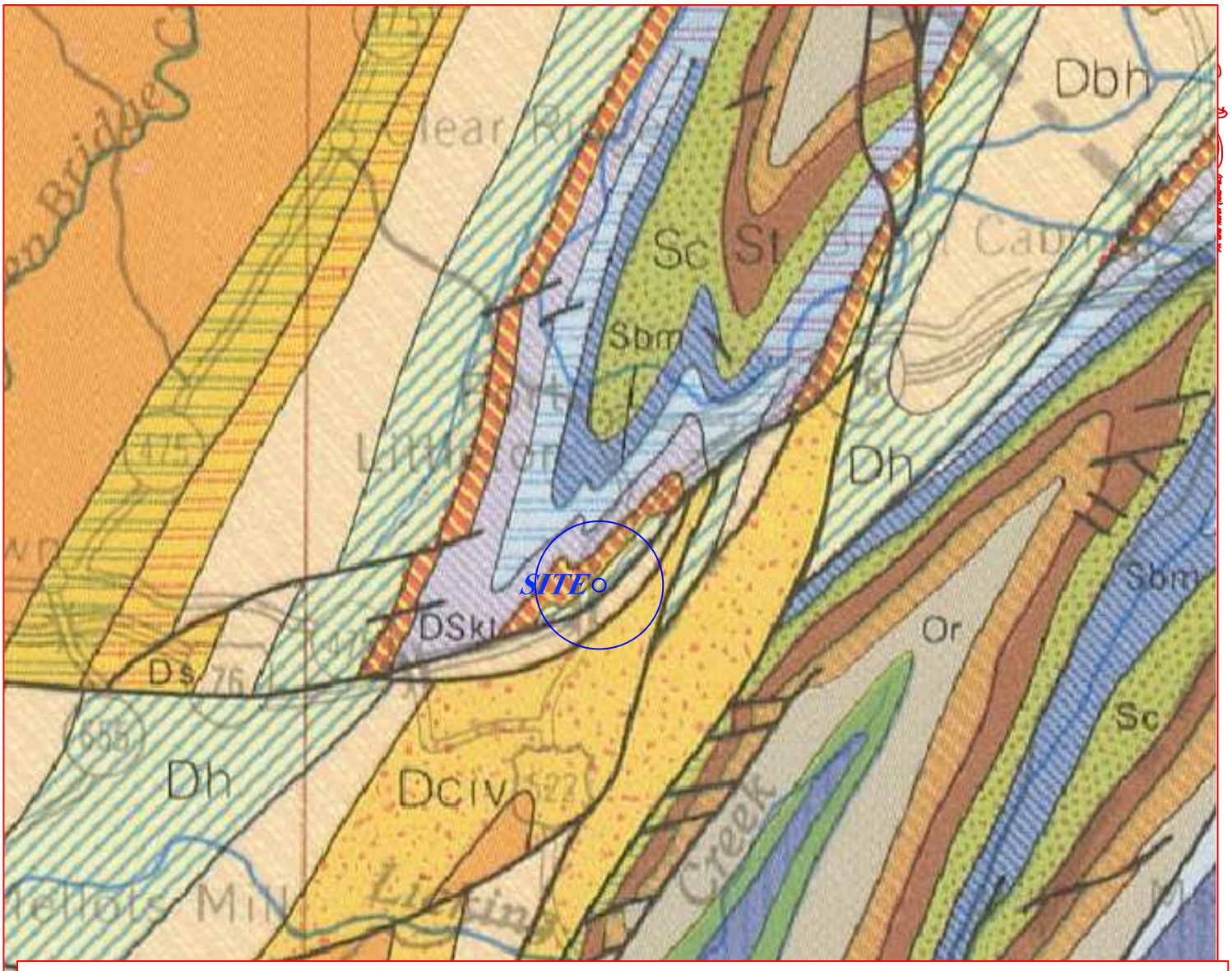
No records matched the criteria.

Facility Permits (1)

Authorization Id	Authorization Type	Date Received	Status/Date
430559	Storage Tank Registration/Permitting	10/08/1997	Issued 10/08/1997

Site-Level and Primary Facility-Level Inspections (12)

Inspection ID	Inspection Date	Inspection Type	Inspection Results
2672845	10/09/2017	Facility Operations Inspection	No Violations Noted
2448504	11/07/2015	Compliance Evaluation	Violation(s) Noted View Details
2326041	10/08/2014	Facility Operations Inspection	Violation(s) Noted View Details
2036837	01/24/2012	Follow-up Inspection	Violation(s) Noted View Details
2036766	11/08/2011	Facility Operations Inspection	Violation(s) Noted View Details
1763760	01/21/2009	Follow-up Inspection	Viol(s) Noted & Immediately Corrected View Details
1770049	11/18/2008	Facility Operations Inspection	Violation(s) Noted View Details
1500599	12/13/2005	Administrative/File Review	Recurring Violations View Details
1494831	10/26/2005	Facility Operations Inspection	Violation(s) Noted View Details
1192928	10/01/2002	Complaint Inspection	Violation(s) Noted View Details
1136274	08/02/2000	Facility Operations Inspection	No Violations Noted
1136273	03/24/1997	Facility Operations Inspection	No Violations Noted



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.

Tom Wolf, Governor Patrick McDo

PA AUL Registry

PA Activity and Use Limitations Registry

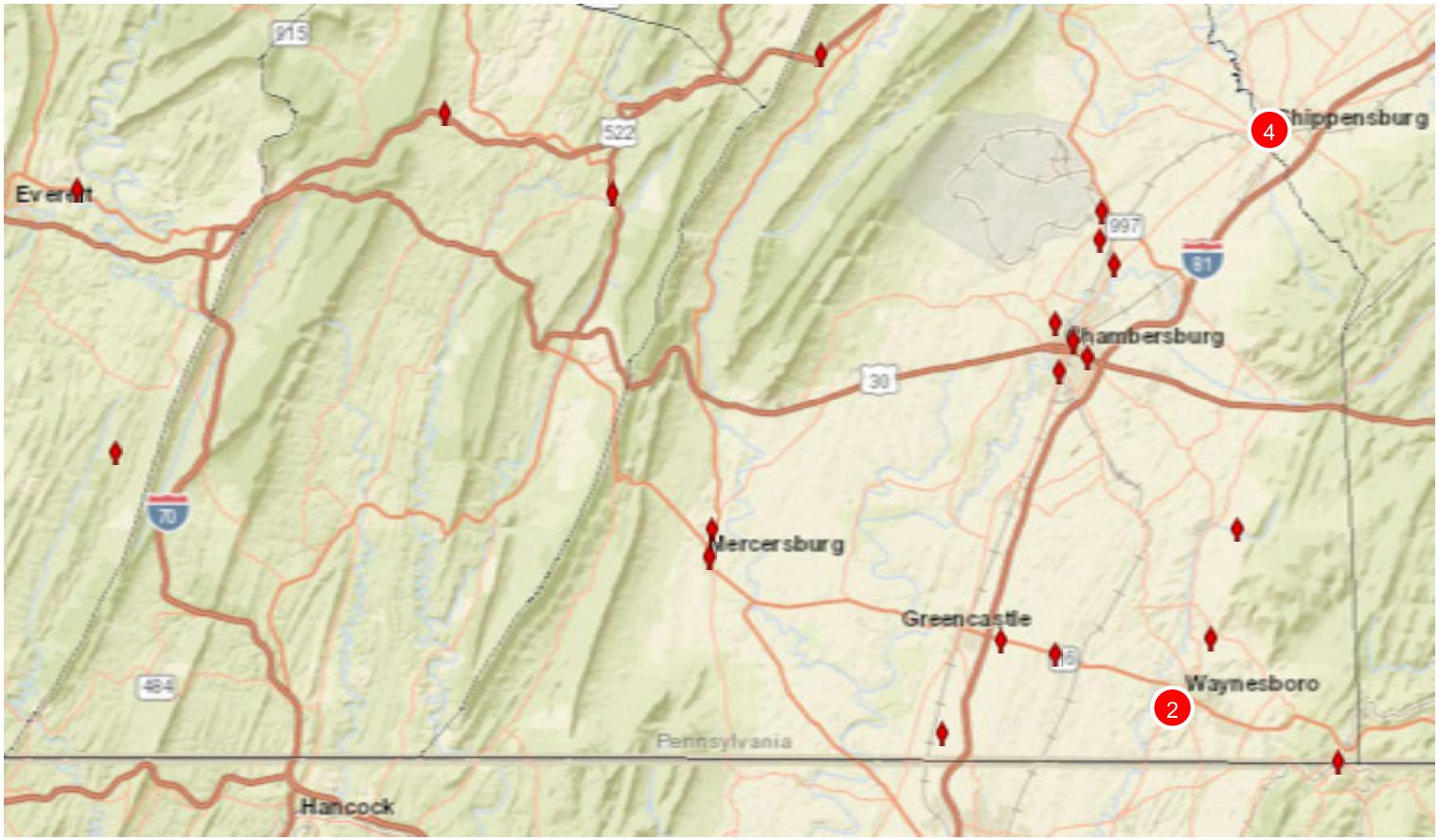
Tasks | Leg

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



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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.

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.

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

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

Map Unit Composition

Map units consist of 1 or more soil types, commonly referred to as "components".

Component Name	Geomorphic Position	Area Fraction	Component Type	Horizon Data
Soil Type 1 **Wurno**	ridges / Backslope ridges / Shoulder	50%	Major Soil Type	YES
Soil Type 2 **Nollville**	ridges / Shoulder	40%	Major Soil Type	YES
Soil Type 3 **Shallow soils**		5%	Inclusion	None
Soil Type 4 **Blairton**		5%	Inclusion	YES

*Note: links to horizon data marked with an * are approximate.*

Map Unit Data **What is a Map Unit?**

Cartographic information about this map unit.

Map Unit Name: *Wurno-Nollville channery silt loams, 15 to 25 percent slopes*
Map Unit Type: *Complex*
Map Unit Symbol: *WuD*
Map Unit Area: *1967 acres total in survey area*

Raw Map Unit Data
Raw Component Data (All Components)

Map Unit Aggregated Data

Generalized soils information within this map unit.

Farmland Class: *Not prime farmland*
Available Water Storage (0-100cm): *10.72 cm*
Max Flood Freq: *None*
Drainage Class (Dominant Condition): *Well drained*
Drainage Class (Wettest Component): *Well drained*
Hydric Conditions: *0*
[Annual] Min. Water Table Depth: *n/a*
[April-June] Min. Water Table Depth: *n/a*
Min Bedrock Depth: *66 cm*

Raw Aggregated Map Unit Data

Associated Point Data

Links to any NSSL point data within this map unit.

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	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 Water	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. Dutc	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 HUSTON		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 BURI		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(f	TopOfCasing	BottomOfCa	CasingDiame	DepthToBedr	BedrockNotR
WALTERS W	fox	WITHDRAWA	DOMESTIC						False
NEGLEY'S W	Blair	WITHDRAWA	DOMESTIC	198	-1	59	6	15	False
WALTERS W	EVERETTS								False
WALTERS W	MCQUATE								False
WALTERS W	LYNCH	WITHDRAWA	DOMESTIC	203					False
WALTERS W	winegardner	WITHDRAWA	DOMESTIC						False
NEGLEY'S W	Crampton	WITHDRAWA	DOMESTIC	120	-1	39	6	39	False
WALTERS W	martin	WITHDRAWA	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 ,	WITHDRAWA	DOMESTIC	104	0	34	6		False
OTHER	CROMWELL ,	WITHDRAWA	DOMESTIC	104	0	34	6		False
NEGLEY'S W	HENRY								False
WALTERS W	BURNER								False
WALTERS W	BURNT CABI								False
WALTERS W	ingiosi	WITHDRAWA	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	WITHDRAWA	DOMESTIC						False
NEGLEY'S W	hoover	WITHDRAWA	DOMESTIC						False
NEGLEY'S W	FRY								False
JEFF C PYLE	COURT L	WITHDRAWA	DOMESTIC	405	0	105		80	False
WALTERS W	fretheim	WITHDRAWA	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 IVA	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 VALLE\		
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.	
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.	