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November 6, 2020

Delivered via Trackable Overnight Delivery

Mr. Jeffrey E. Mendenhall
South Carolina Department of Health and Environmental Control
Assessment Section, UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Subject: First Trimester 2020 Monitoring Report
Plantation Pipe Line Company
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693, "Kinder Morgan Belton Pipeline Release"

Dear Mr. Mendenhall,

On behalf of Plantation Pipe Line Company (Plantation), this First Trimester 2020 Monitoring Report presents a summary of the work performed at the Lewis Drive Remediation Site in Belton, South Carolina between April 1 and July 31, 2020. The July 2020 trimester monitoring event included sitewide gauging, product collection, air sparging (AS) system operation/maintenance, and collection of groundwater and surface water samples for laboratory analysis. These activities were conducted in accordance with the following plans:

- Table 1 of the *Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 to March 31, 2020)* submitted on May 31, 2019 (Jacobs, 2019) and agreed upon by the South Carolina Department of Health and Environmental Control (DHEC) on August 20, 2019 (DHEC, 2019).
- Table 1 of the *Groundwater and Surface Water Monitoring and Reporting Plan (April 1, 2020 to March 31, 2021)* submitted on April 22, 2020 (Jacobs, 2020a) and agreed upon by DHEC on July 30, 2020 (DHEC, 2020a).

The updated monitoring network and sampling schedule were implemented during the July 2020 sampling event. Figure 1 presents a map of the site and sampling locations, including monitoring wells, recovery sumps, recovery trenches, recovery wells, soil borings, and surface water monitoring locations.

1. Summary of Gauging and Product Recovery

Select monitoring wells and surface water locations were gauged during the mid-trimester event in May 2020, and sitewide gauging that included product recovery features (recovery sumps, trenches, and wells) was conducted during the trimester event in July 2020. The majority of monitoring wells and almost all recovery features (with the exception of RS-14, RS-17, RW-09, and RW-14) had

water levels well within their screened intervals to allow the detection of free-phase product at the site. Field observations made during this reporting period are summarized in Table 1. Stream and groundwater elevations are tabulated in Table 2. Groundwater elevations in the residuum aquifer along with stream elevations are presented on Figure 2A. Groundwater elevations in the bedrock aquifer are presented on Figure 2B.

Water levels from the July 2020 gauging event were used to create potentiometric surface maps for the site (Figures 2A and 2B). Groundwater potentiometric levels in both the residuum (Figure 2A) and bedrock (Figure 2B) aquifers mimic the topography of the site and generally flows from topographic highs to topographic lows. Cupboard Creek flows intermittently, indicating the primary direction of groundwater flow is northeast toward Browns Creek. The July 2020 water table configurations and potentiometric levels are consistent with previous findings.

Product recovery was performed continuously with passive systems in the Browns Creek Protection Zone (BCPZ), Cupboard Creek Protection Zone (CCPZ), Hayfield Zone, and Shallow Bedrock Zone (SBZ) in recovery wells, sumps, and trenches. During the trimester event, the field team recorded the product collected from each canister/feature. The volume of product collected from the canisters was measured in a stainless-steel measuring cup, documented, and placed into onsite poly tanks for temporary storage, separation, and offsite disposal. Table 3 shows the dates and quantities of product that was recovered.

During this reporting period, only RW-02 contained recoverable product (0.001 gallon). Product thicknesses continue to be minimal. In July 2020, measurable product thicknesses were observed at only 7 of 98 features monitored, ranging from 0.01 foot in MW-17B, RW-04, and RW-07 to 0.05 foot in RW-02. Most notably, no monitoring well locations within the BCPZ or the CCPZ contained measurable product; only one recovery feature in the CCPZ (RT-1B) and one recovery feature in BCPZ (RW-07) contained product. Product thickness and well gauging data are presented in Table 2. Figure 3 presents measurable product data at the site. Hydrographs for select monitoring wells and recovery features representative of approximate product thickness trends are provided in Attachment A.

2. Summary of Surface Water Results

Inspections of surface water features were performed monthly at the site during this reporting period. The inspection route of surface water features is presented on Figures 1, 2A, and 2B. No signs of distressed vegetation or hydrocarbon sheens were observed during the surface water inspections for this reporting period. Field observations during the April and June events are summarized in Table 1.

The stream aerators at Browns Creek were shut off for a 24-hour period prior to conducting site surface water sampling. Monthly surface water samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and methyl tertiary butyl ether (MTBE) using U.S. Environmental Protection Agency (EPA) Method 8260D.

During this reporting period, dissolved hydrocarbons were detected in surface water at 5 of the 13 locations sampled: SW-01, SW-02, SW-04, SW-13, and SW-14 (Table 4A). Benzene was the only

constituent that exceeded the surface water standard for protection of human health for consumption of water and organisms (2.2 micrograms per liter [µg/L]; DHEC, 2014) and was isolated to SW-01 and SW-02. However, in July 2020, benzene concentrations were nondetect at all surface water locations. Surface water sample results are summarized in Table 4A; historical data for surface water samples are summarized in Table 4B. Trends for surface water sampling locations SW-01, SW-02, SW-04, SW-12, SW-13, and SW-14 are presented in Attachment B. The trend graphs for locations SW-01 and SW-12, and for SW-13 show a data gap for March 2019 and September 2019, respectively, because these locations were dry and did not allow for sample collection. Laboratory reports for surface water samples and chain-of-custody (COC) records are included in Attachment D.

3. Summary of Groundwater Results

Two groundwater sampling events were performed during this reporting period. Gauging was performed at select wells during the May 2020 mid-trimester event, and comprehensive sitewide gauging was conducted during the July 2020 trimester event. During these two events, the wells were gauged using an oil-water interface probe to measure the depth to water and test for the presence and thickness (if detected) of product. The oil-water interface probe was decontaminated before each use and after the final measurement. Monitoring wells without free product were sampled using either a HydraSleeve, low-flow peristaltic pump, or submersible pump. Samples were analyzed for BTEX, 1,2-dichloroethane, MTBE, and naphthalene using EPA Method 8260D. Groundwater sample results are summarized in Table 5A; historical data for groundwater samples are summarized in Table 5B.

Groundwater monitoring results for this reporting period demonstrate continued decreases in dissolved concentrations of hydrocarbons with a few localized areas showing increased concentrations during July 2020 (MW-13/13B [Hayfield]; MW-38 [BCPZ]; and MW-20, MW-23, MW-46, and MW-57 [CCPZ]). High-flow purging has been conducted at a select number of these locations (MW-13B, MW-20, and MW-23) to evaluate if the wells were outside the capture zones of the biosparging treatment system, in accordance with the *Lewis Drive Revised Pumping Plan,* dated January 28, 2020 (Jacobs, 2020b), approved by DEHC in a letter date-stamped May 12, 2020. This high-flow purging may be related to the increased concentrations at these locations. The Hayfield Zone and SBZ show stabilization of the extent of these dissolved concentrations, with the area of MW-46 (CCPZ) and the areas of MW-13 and MW-38 (BCPZ) possibly requiring additional remediation in order to reduce hydrocarbon concentrations. Concentrations in MW-23 (CCPZ), showed a considerable increase during this this reporting period. The CCPZ will continue to be monitored and focused remedial performance adjustments will be made to decrease hydrocarbon concentrations. Most bedrock wells, including those in the SBZ, are outside the influence of vertical air sparge (VAS) and horizontal air sparge (HAS) systems and have stable dissolved concentrations.

Although site-specific groundwater cleanup targets have not been established, groundwater analytical results are screened against the risk-based screening levels (RBSLs) listed in the South Carolina Quality Assurance Program Plan (QAPP) for the Underground Storage Tank (UST) Management Division, Table D1 (DHEC UST Management Division, 2016), referred to as Target Screening Levels (TSLs). RBSLs are listed at the top of Tables 5A and 5B. The July 2020 results are shown on Figures 4A and 4B and summarized in the following sections. Trend plots for select groundwater monitoring wells

are included in Attachment C. Note that the gray shaded area on the trend charts indicates the operational period of the AS system for wells estimated to be within the radius of influence of the AS system, and monitoring wells that have been nondetect or below TSLs since their installation are not presented. Laboratory analytical reports and COC records for this reporting period are provided in Attachment D.

3.1 Browns Creek Protection Zone

Remediation in the BCPZ shows 15 of the 21 wells below TSLs or nondetect, with the remaining wells only showing exceedances of benzene and MTBE, and a single toluene exceedance at MW-15B.

- Dissolved concentrations in residuum and bedrock wells side-gradient of and within the AS system have decreased or remained stable since the last quarterly event. The benzene concentration in MW-12B has continued to decrease this year, detected (10.7 µg/L) only slightly above its TSL. MW-15B shows stable trends since the last event with exceedances of benzene, toluene, and MTBE. The upgradient expansion AS wells may now be influencing the presence of dissolved concentrations at MW-15B. Additionally, high-flow purging continues to be conducted at both of these monitoring wells.
- The installation of downgradient monitoring well MW-38B was completed on April 14, 2020, and the well was sampled during the May 2020 and July 2020 events. Benzene concentrations observed in July 2020 more than doubled since the May 2020 event. MW-38 showed decreasing trends following oxidant injections in August 2019, but benzene and total xylenes have since rebounded in 2020 with an increase during the July 2020 event. A plan for expanding the AS system at Browns Creek to address select wells that are not currently under the direct influence of the AS system will be submitted for DHEC approval.
- Downgradient monitoring well MW-39 has shown stable concentrations in 2020 with only MTBE exceeding TSLs. The remaining residuum monitoring wells have concentrations that are below TSLs or nondetect.

3.2 Cupboard Creek Protection Zone

Dissolved concentrations in the CCPZ have decreased or stabilized in four of nine residuum wells, and shown increases at MW-20, MW-23, MW-46, MW-57, and MW-60. The only TSL exceedances in this zone are for benzene and MTBE, with the exception of MW-20 and MW-23. High-flow purging has been conducted at these two wells.

- MW-20 is within the influence of the AS system and shows stable BTEX exceedances in 2020. This location will continue to be monitored to determine if changes are needed for remedial performance improvement. This well may need to be redeveloped.
- MW-23 is downgradient of the AS system and has shown a considerable increase in BTEX concentrations since the March 2020 event. Benzene, toluene, and MTBE are currently above their respective TSLs. It is possible that the increased concentrations are related to the high-flow purging at this well. This location will continue to be monitored to determine if changes are needed for remedial performance improvement. Monitoring wells MW-46 and MW-57 have shown little rebound of benzene concentrations since the oxidant injections conducted in

August 2019, with stable concentrations for MTBE. The current benzene concentrations show 94.3 percent and 86.3 percent decreases, respectively, from the pre-injection concentrations.

- Concentrations at MW-56 have continued to decrease in 2020 with benzene being nondetect for the first time since installation in April 2019. MTBE is the only exceedance.
- The installation of downgradient monitoring well MW-60 was completed on April 7, 2020. The well was sampled during the May and July 2020 events, with benzene concentrations increasing by over 50 percent. Additional monitoring wells have been approved by DHEC in correspondence dated January 23, 2020, for installation downgradient of MW-60 after an access agreement is secured by Plantation with the landowner.
- Constituents in MW-19 (within the AS system influence) were nondetect for the first time since July 2018.
- Constituents were nondetect in downgradient monitoring wells MW-23B, MW-26, MW-26B, and MW-29.

3.3 Hayfield Zone

Within the Hayfield Zone, 19 of the 26 monitoring wells sampled were nondetect or below TSLs, demonstrating the effectiveness of the AS system. Concentrations at MW-36 have continued to decrease this year with benzene being below its TSL for the first time since September 2017. As of July 2020, only wells outside the direct influence of the AS system, except MW-18, show concentrations above TSLs.

- With high-flow purging, MW-07 (upgradient of the CCPZ AS system) has shown an order of magnitude decrease in BTEX this year with benzene being the only analyte above its TSL. The concentration of benzene has decreased by 91.5 percent since February 2020.
- MW-13 has had a considerable increase in BTEX concentrations since the March 2020 sampling event. This may be due to the high-flow purging that was conducted at this location during the May and July 2020 sampling events. Benzene, ethylbenzene, and toluene are above their respective TSLs.
- MW-18 is within the AS system area of influence and has had stable BTEX concentrations below TSLs since March 2019, with only a slight increase in naphthalene exceeding the TSL in July 2020.
- Dissolved concentrations were above TSLs in 4 of the 10 bedrock wells that are outside the AS system area of influence, with benzene concentrations ranging from 14.6 µg/L (MW-14B) to 8,180 µg/L (MW-17B) during the July 2020 event. All other bedrock wells in the Hayfield Zone were nondetect or below TSLs during this reporting period. Of the four bedrock wells with concentrations exceeding TSLs, high-flow purging was conducted at three of them; results were as follow:
  - MW-17B, which is upgradient of the Cupboard Creek AS curtain, has shown increased BTEX concentrations since March 2020 with each constituent exceeding its respective TSL.
  - BTEX concentrations have decreased in MW-13B since March 2020, with benzene and MTBE exceeding their respective TSLs.

- Benzene concentrations have increased in MW-50B since March 2020 and are now above the TSL in addition to MTBE.

3.4 Shallow Bedrock Zone

The residuum and bedrock wells in the SBZ have been nondetect or below TSLs for constituents analyzed during this reporting period except MW-11 and MW-01B. MW-11 has been purged using the high-flow method; BTEX concentrations are above TSLs and have continued to remain stable during this reporting period. MW-11 is in the area of the expanded AS system. The AS system is expected to influence BTEX groundwater concentrations within the area of and downgradient to MW-11 (Figure 4A). Benzene concentrations have been stable and slightly above the TSL this year at MW-01B.

4. Summary of Air Sparging System Operation/Maintenance and Efficiency

The average runtime for the AS system during this reporting period was approximately 96 percent. Air compressor downtime experienced during this reporting period was associated with routine maintenance visits and sampling, and power outages due to storms.

There were approximately 7 days of planned downtime of the surface aerators associated with surface water sampling at the site. Prior to conducting the sampling, the stream aerators at Browns Creek were shut off for a 24-hour period and then restarted once sampling was completed. HAS-01 was offline for 49 days because the HAS-01 wellhead needed to be repaired. All other wells were operating as scheduled.

Activities associated with operation and maintenance of the AS system are summarized by remediation area below:

- BCPZ: AS was performed using 35 VAS wells screened from approximately 13 to 72 feet below ground surface (bgs). The flow rates in these wells averaged 8.6 standard cubic feet per minute (scfm) per sparging well during the reporting period. Additionally, air was injected into two surface water submersible diffusion aerators installed in Browns Creek at an average flow rate of 14.4 scfm each during this reporting period.
- CCPZ: AS was performed using a curtain of 24 VAS wells screened between 9.5 and 31.2 feet bgs at an average flow rate of 9.4 scfm per sparging well during this reporting period.
- Hayfield Zone: AS was performed using three horizontal AS wells (HAS-01, HAS-02, and HAS-03), with screen lengths of approximately 752, 715, and 377 feet, respectively. The flow rates in each of the three horizontal wells were maintained at approximately 0.43 scfm per foot of screen during this reporting period, resulting in the following approximate flows: 164, 399, and 198 scfm per well, respectively.

To improve the effectiveness of the VAS wells in the areas of measurable light nonaqueous phase liquid (LNAPL), MW-20 in the CCPZ, and RW-4 and RW-7 in the SBZ, flowrates in select wells were increased to maximum design flows of 15 scfm in January 2020. On May 8, 2020, VAS flow rates were reduced to approximately 8 to 10 scfm to reduce observed daylighted areas of sparge air. Saturated soils, higher flow rates, and continuous sparge well operation were believed to be

contributing factors to the sparge air daylighting. VAS flow rates are planned to remain at decreased flows and return to higher design flows when vadose soils have lower moisture levels. VAS wells operated in this reduced flow configuration through July 2020.

5. Additional Activities

Below is a summary of additional activities performed during April through July 2020:

- Groundwater samples were collected in June 2020 from two agricultural wells on property owned by Mr. O'Dell. These samples were sent to two separate laboratories for analysis by EPA Method 524.2. The well near SW-14 in the Cupboard Creek area had a slight detection of MTBE, which was confirmed by both laboratories. MTBE has been detected at this well since June 2019 when EPA Method 524.2 was implemented. The remaining constituents analyzed were nondetect. Results will be submitted to Mr. O'Dell and to DHEC in separate transmittals.
- One bedrock monitoring well (MW-38B) and one residuum monitoring well (MW-60) were installed for additional delineation of dissolved hydrocarbons in the BCPZ (MW-38B) and CCPZ (MW-60). Both wells were installed using a hollow-stem auger B57 mobile drill rig. MW-60 was installed on April 7, 2020, side-gradient of MW-46. MW-38B was installed between April 8 and 14, 2020, to further delineate dissolved concentrations downgradient of MW-13/13B and MW-14B. The wells were installed in accordance with DHEC Well Standards R. 61-71 (DHEC, 2016) and DHEC Monitoring Well Approval Form Number MW-12274 for MW-38B and MW-60 (DHEC, 2020b). Well construction details are presented in Table 6; boring logs and well completion diagrams are provided in Attachment E. Well completion forms (Form 1903) were sent to DHEC in a separate submittal by AE Drilling Services, LLC (Attachment E). Additionally, a soil sample was collected from the newly installed monitoring well boring for MW-38B in accordance with the project QAPP, Revision 4 (CH2M-Jacobs, 2018). The soil sample was labeled, packed with wet ice, and transported by overnight delivery under standard COC procedures to Pace Analytical in Mount Juliet, Tennessee for BTEX analysis by Method SW-846 8260D. The constituents analyzed were nondetect for MW-38B. A soil sample was not collected for MW-60 because the area was saturated with standing water. Laboratory reports for soil samples and COC records are included in Attachment D. The soil sample was nondetect for constituents analyzed (see Table 7).
- Remediation-derived waste (RDW) liquids consisting of purge water, petroleum-contaminated water recovered from canisters, and well-development water generated at the site, was temporarily stored in the two 1,500-gallon onsite poly tanks inside the secured fence of the AS system compound. On April 13, 2020, approximately 1,800 gallons of RDW liquids were transferred from these two poly tanks into a vac truck, transported by A&D Environmental, and disposed at the A&D Environmental Services, Inc. facility in Archdale, North Carolina. On May 21, 2020, approximately 2,200 gallons were transferred from the two onsite poly tanks into a vac truck, transported, and disposed at the A&D Environmental Services, Inc. facility in Archdale, North Carolina. See Attachment F for the RDW waste manifests and waste profile.
- Approximately 0.29 cubic yard of soil cuttings generated during installation of monitoring wells MW-38B and MW-60 was placed in a lined and covered roll-off container. On May 5, 2020, this roll-off container was transported by A&D Environmental for disposal to the Republic Services

Union County Regional Landfill in Enoree, South Carolina. See Attachment F for the waste profile, waste manifest, and recertification extension letter from Republic Services.

6. Summary of Findings

The following conclusions are based on site work performed during this reporting period between April 1 and July 31, 2020:

- Product thickness values have declined to negligible levels in both recovery and nonrecovery features across the site. Of the 98 monitoring features gauged, 7 locations had measurable product with no product thicknesses greater than 0.05 foot during the July 2020 event. Additionally, free-phase product has not been detected at any monitoring well locations within the BCPZ or CCPZ; only one recovery feature in the CCPZ (RT-1B) and one recovery feature in the BCPZ (RW-07) contained product.
- Remedial efforts continue to be effective at reducing dissolved concentrations of hydrocarbons in groundwater across the site with limited impacts remaining outside the area of influence of the AS system upgradient of Browns Creek and Cupboard Creek. Of the 60 residuum and bedrock well groundwater samples analyzed during the July 2020 event, 66.7 percent of the wells were nondetect or below TSLs for constituents analyzed. Benzene concentrations in MW-56 (CCPZ) and MW-36 (Hayfield) have continued to decrease, with MW-56 being nondetect for the first time since installation in April 2019 and MW-36 being below the TSL for the first time since September 2017.
- Oxidant injections were conducted in August 2019 to address dissolved concentrations at monitoring wells MW-46, MW-56, and MW-57 in the CCPZ and MW-38 in the BCPZ that were outside the influence of the air sparge systems. The following has been noted since the injections were performed:
  - Very little rebound has been observed in the MW-46 area of the CCPZ.
  - Rebound has been observed in the MW-38 area (BCPZ) and an expansion of the air sparge system is being planned.
- The results of the monitoring wells that are within the AS system area of influence show good performance across the site with only MW-11 and MW-20 still needing continued monitoring and focused treatment. As for areas outside the AS system area of influence, the areas upgradient of Browns Creek and Cupboard Creek show increasing dissolved hydrocarbon concentrations in monitoring wells and need further monitoring and potential remediation.
  - The area northwest of Lewis Drive showing increased concentrations includes monitoring wells MW-13/13B (Hayfield) and MW-38 (BCPZ). The August 2019 injections focused on the area of MW-38 and an additional bedrock monitoring well (MW-38B) was installed in April 2020 to further delineate dissolved concentrations in this area (DHEC, 2020b). If improved remedial performance is required, an improvement plan for expanding the air sparge system at Browns Creek, northwest of Lewis Drive, will be submitted for DHEC review and approval.
  - The area southwest of Lewis Drive showing increased concentrations includes MW-23 as well as a slight rebound of benzene concentrations since the August 2019 injections at

additional downgradient wells MW-46 and MW-57 (CCPZ). A residuum monitoring well (MW-60, side-gradient of MW-46) was installed in April 2020 (DHEC, 2020b) and additional downgradient monitoring wells are planned to be installed pending access from the land owner to further delineate this area of the CCPZ for dissolved hydrocarbon concentrations. The impacts within Cupboard Creek will continue to be assessed as to whether these areas are being sufficiently treated by the AS system or if expansion of the AS system should be considered.

- Hayfield Zone remediation has resulted in the majority of the TSL exceedances being outside the AS system's area of influence, with the exception of MW-18 exceeding its TSL for naphthalene. Rebound monitoring is planned for this area of the site.
- Both surface water bodies have upgradient AS treatment zones, and although there has been some seasonal fluctuation in concentrations, benzene was nondetect at each surface water sampling location during the July 2020 sampling event.
- The AS system was operating at approximately 96 percent for the reporting period. Operating flows in the stream aerators, HAS wells, and VAS wells were maintained at approximately 96 percent, 58 percent, and 60 percent of design flow capacity, respectively.

7. Future Activities

Future activities planned for the Lewis Drive site include the following:

- Ongoing monitoring and reporting will be conducted according to Table 1 of the *Groundwater and Surface Water Monitoring and Reporting Plan (April 1, 2020 to March 31, 2021)* (Jacobs, 2020a). Groundwater concentration trends in the monitoring well network will continue to be assessed to improve the monitoring well network, optimize the AS system, and identify areas for potential additional remediation.
- Dissolved hydrocarbon concentrations in the areas of MW-46, MW-56, and MW-57 (CCPZ) will continue to be monitored to evaluate the effectiveness of the oxidant injections conducted in August 2019. Further delineation downgradient of the CCPZ for dissolved hydrocarbon concentrations is planned, pending access from the land owner to install additional monitoring wells.
- The bedrock air sparge wells that were installed in the SBZ when a bedrock air sparge pilot test was being considered will be converted to monitoring wells for assessing residual dissolved hydrocarbons in bedrock in the SBZ.
- A remedial plan to address dissolved hydrocarbon concentrations in select bedrock and residuum wells that are not under the direct influence of the AS system will be submitted for DHEC review and approval.

8. References

CH2M HILL Engineers, Inc. (CH2M-Jacobs). 2018. *Quality Assurance Project Plan, Revision 4.* Addendum to the DHEC UST Programmatic Quality Assurance Program Plan for Plantation Pipe Line Company/Site ID No. 18693. February 9.

Jacobs. 2019. *Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 30, 2020). Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* May 31.

Jacobs. 2020a. *Groundwater and Surface Water Monitoring and Reporting Plan (April 1, 2020 to March 31, 2021). Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* April 22.

Jacobs. 2020b. *Lewis Drive Revised Pumping Plan. Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* January 28.

South Carolina Department of Health and Environmental Control (DHEC). 2014. *R. 61-68, Water Classifications & Standards*. June 27.

South Carolina Department of Health and Environmental Control (DHEC). 2016. *R. 61-71, Well Standards*. May 27.

South Carolina Department of Health and Environmental Control (DHEC). 2019. Review and approval of *Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 31, 2020) and concurrence with Table 1. Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* August 20.

South Carolina Department of Health and Environmental Control (DHEC). 2020a. Review and approval of *Groundwater and Surface Water Monitoring and Reporting Pan (April 1, 2020 through March 31, 2021) and concurrence with Table 1. Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* July 30.

South Carolina Department of Health and Environmental Control (DHEC). 2020b. Monitoring Well Approval Form, Approval #: MW-12274. January 23.

South Carolina Department of Health and Environmental Control, Underground Storage Tank Management Division (DHEC UST Management Division). 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management Division.* Title: Programmatic QAPP. Revision Number: 3.1. Revision Date: February 2016. 215 pp.

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November 6, 2020
Subject: First Trimester 2020 Monitoring Report

If you have any questions regarding this report or the project in general, please call me at (919) 345-6429, Tom Wiley/Jacobs at (404) 432-6312, or Jerry Aycock/Plantation at (770) 751-4165.

Regards

William M. Waldron, P.E.
Program Manager

The material and data presented in this report were prepared consistent with current and generally accepted consulting principles and practices. This work was supervised by the following Jacobs licensed professional.

Jonathan Grimes, P.G.
South Carolina Registered Professional Geologist No. 2235

November 6, 2020
Date

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Attachments:

Table 1 – Field Observation Log
Table 2 – Groundwater Elevation and Product Thickness Data
Table 3 – Product Skimmer Recovery Results
Table 4A – Analytical Results for Surface Water, First Trimester 2020
Table 4B – Analytical Results for Surface Water, Historical
Table 5A – Analytical Results for Groundwater, First Trimester 2020
Table 5B – Analytical Results for Groundwater, Historical
Table 6 – Well Construction Information
Table 7 – Analytical Results for Soil

Figure 1 – Site Overview
Figure 2A – Residuum Groundwater and Surface Water Elevation Map
Figure 2B – Bedrock Groundwater Elevation Map
Figure 3 – Site Features with Measurable Product
Figure 4A – Groundwater Analytical Results in Residuum Aquifer, December 2019 through July 2020
Figure 4B – Groundwater Analytical Results in Bedrock Aquifer, December 2019 through July 2020

Attachment A – Product Thickness Trends
Attachment B – Surface Water Analytical Trends
Attachment C – Groundwater Analytical Trends
Attachment D – Analytical Laboratory Reports
Attachment E – Soil Boring Logs and Well Completion Diagrams
Attachment F – Remediation-Derived Waste Documentation

Tables

Table 1. Field Observation Log
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Date	Inspect Cupboard Creek Zone and Wetlands South of Calhoun Road (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Browns Creek Upstream and Downstream of the Culvert Under Lewis Drive (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hayfield Area (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Shallow Bedrock Zone Area (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-02 (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-04 (Any odor, sheen, or distressed vegetation? Describe.)
4/2/2020	Water flowing from SW-05 to SW-14. Grass continues to grow in post injection areas.	Browns Creek water levels consistent with last event. Beaver dam in culvert. No odors or sheen. Grass growing in post-injection areas.	None observed.	Odors present near MW-11. Flooded areas are starting to dry, but still flooded near VSB-01.	No sheen, odors, or distressed vegetation observed. No observed suspicious debris. Algae abundant.	No sheen, odors, or distressed vegetation observed.
6/4/2020	Water flowing from Cupboard Creek to SW-14. High algae growth at SW-05 and SW-14. Strong water flow is possible due to observation of SW-05 staff gauge starting to be at an angle. Vegetation debris has accumulated along the base of the staff gauge.	Stream color was clayey around SW-01 through SW-09. Fish and tadpoles observed throughout walk. Algae growth observed at SW-13, SW-08, and SW-09.	No observations.	No change.	Algae growth. No major changes to vegetation. No new trash observed.	Algae growth. Area clear of debris. No change to vegetation.

Notes:
ID = identification
MW = monitoring well
RW = recovery well
SW = surface water
VBS = vertical bedrock sparging well

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Date	Depth to Product (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Toc of Casing Elevation (ft amsl)	Groundwater Elevation (ft amsl)	Corrected Groundwater Elevation (ft amsl)	Notes
MW-01	7/6/2020	--	6.77	--	853.07	846.3	--	
MW-01B	7/6/2020	--	6.16	--	852.99	846.83	--	
MW-04	7/6/2020	--	6.05	--	844.42	838.37	--	
MW-06B	7/6/2020	--	7.5	--	852.57	845.07	--	
MW-07	7/6/2020	--	7.31	--	853.02	845.71	--	
MW-09	7/6/2020	--	3.05	--	843.63	840.58	--	
MW-09B	7/6/2020	--	5.77	--	843.92	838.15	--	
MW-11	7/6/2020	--	24.27	--	855.63	831.36	--	
MW-12	7/6/2020	--	10.65	--	834.53	823.88	--	
MW-12B	7/6/2020	--	13.24	--	834.98	821.74	--	
MW-13	7/6/2020	--	16.9	--	848.84	831.94	--	
MW-13B	7/6/2020	--	17.73	--	849.82	832.09	--	
MW-14	7/6/2020	--	12.89	--	838.7	825.81	--	
MW-14B	7/6/2020	--	13.15	--	840.2	827.05	--	
MW-15	7/6/2020	--	8.96	--	831.03	822.07	--	
MW-15B	7/6/2020	--	13.9	--	831.29	817.39	--	
MW-17	7/6/2020	--	9.24	--	855.35	846.11	--	
MW-17B	7/6/2020	9.9	9.91	0.01	855.37	845.46	845.47	
MW-18	7/6/2020	--	14.3	--	846.89	832.59	--	Sparging
MW-19	7/6/2020	--	8.22	--	853.94	845.72	--	
MW-20	7/6/2020	--	7.88	--	852.89	845.01	--	
MW-21	7/6/2020	--	11.57	--	855.77	844.2	--	
MW-22	7/6/2020	--	7.21	--	854.6	847.39	--	
MW-23	7/6/2020	--	5.98	--	849.57	843.59	--	
MW-23B	7/6/2020	--	6.25	--	849.69	843.44	--	
MW-24	7/6/2020	--	4.4	--	817.92	813.52	--	
MW-24B	7/6/2020	--	4.99	--	818.72	813.73	--	
MW-25	7/6/2020	--	6.57	--	826.18	819.61	--	
MW-25B	7/6/2020	--	2.25	--	823.81	821.56	--	
MW-26	7/6/2020	--	3.08	--	847.56	844.48	--	
MW-26B	7/6/2020	--	4.67	--	847.81	843.14	--	
MW-27	7/6/2020	--	20.43	--	854.11	833.68	--	
MW-27B	7/6/2020	--	24.8	--	857.14	832.34	--	
MW-28	7/6/2020	--	18.93	--	844.31	825.38	--	
MW-29	7/6/2020	--	5.73	--	852.2	846.47	--	
MW-32	7/6/2020	--	11.34	--	842.93	831.59	--	
MW-33T	7/6/2020	--	21.63	--	849.11	827.48	--	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Date	Depth to Product (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Toc of Casing Elevation (ft amsl)	Groundwater Elevation (ft amsl)	Corrected Groundwater Elevation (ft amsl)	Notes
MW-35	7/6/2020	--	7.74	--	829.4	821.66	--	
MW-36	7/6/2020	--	13.12	--	858.47	845.35	--	
MW-36B	7/6/2020	--	12.88	--	858.15	845.27	--	
MW-37	7/6/2020	--	2.99	--	813.92	810.93	--	
MW-38	7/6/2020	--	1.11	--	813.28	812.17	--	
MW-38B	7/6/2020	--	3.32	--	815.87	812.55	--	
MW-39	7/6/2020	--	4.19	--	819.9	815.71	--	
MW-40	7/6/2020	--	1.9	--	817.79	815.89	--	Wasps in well casing
MW-41	7/6/2020	--	3.73	--	819.68	815.95	--	
MW-42	7/6/2020	--	4.38	--	820.33	815.95	--	
MW-45	7/6/2020	--	9.22	--	852.47	843.25	--	
MW-45B	7/6/2020	--	9.95	--	852.85	842.9	--	
MW-46	7/6/2020	--	5.5	--	845.47	839.97	--	
MW-47	7/6/2020	--	13.11	--	842.98	829.87	--	
MW-48B	7/6/2020	--	15.6	--	832.34	816.74	--	
MW-50B	7/6/2020	--	17.53	--	850.34	832.81	--	
MW-51	7/6/2020	--	17.82	--	831.92	814.1	--	
MW-52	7/6/2020	--	18.89	--	830.09	811.2	--	
MW-53	7/6/2020	--	7.71	--	837.37	829.66	--	
MW-54	7/6/2020	--	9.29	--	840.79	831.5	--	
MW-55	7/6/2020	--	14.98	--	859.71	844.73	--	
MW-56	7/6/2020	--	4.79	--	843.94	839.15	--	
MW-57	7/6/2020	--	6.12	--	845.63	839.51	--	
MW-60	7/6/2020	--	4.89	--	844.88	839.99	--	
RS-01	7/6/2020	--	5.91	--	849.13	843.22	--	
RS-02	7/6/2020	--	5.22	--	849.52	844.3	--	
RS-04	7/6/2020	--	6.2	--	851.47	845.27	--	
RS-05	7/6/2020	5.52	5.54	0.02	848.31	842.77	842.78	
RS-06	7/6/2020	--	5.75	--	849.47	843.72	--	
RS-07	7/6/2020	--	9.1	--	855.08	845.98	--	
RS-08	7/6/2020	--	9.4	--	854.24	844.84	--	
RS-09	7/6/2020	--	5.58	--	847.6	842.02	--	
RS-10	7/6/2020	--	4.49	--	847.42	842.93	--	
RS-11	7/6/2020	--	4	--	847.44	837.81	--	Sparging
RS-12	7/6/2020	--	4.29	--	847.74	843.45	--	
RS-13	7/6/2020	--	3.68	--	845.98	842.3	--	
RS-15	7/6/2020	--	3.75	--	846.41	842.66	--	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Date	Depth to Product (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Toc of Casing Elevation (ft amsl)	Groundwater Elevation (ft amsl)	Corrected Groundwater Elevation (ft amsl)	Notes
RS-16	7/6/2020	--	3.77	--	845.44	841.67	--	
RS-18	7/6/2020	--	5.95	--	847.89	841.94	--	
RS-20	7/6/2020	--	4.4	--	842.69	838.29	--	
RT-1A	7/6/2020	--	9.59	--	854.06	844.47	--	
RT-1B	7/6/2020	8.95	8.99	0.04	854.15	845.16	845.19	
RT-1C	7/6/2020	--	8.99	--	854.55	845.56	--	
RW-01	7/6/2020	--	10.91	--	851.92	841.01	--	
RW-02	7/6/2020	19.25	19.3	0.05	852.69	833.39	833.43	
RW-03	7/6/2020	18.73	18.76	0.03	852.34	833.58	833.6	
RW-04	7/6/2020	24.45	24.46	0.01	853.93	829.47	829.48	
RW-05	7/6/2020	--	28.02	--	853.53	825.51	--	
RW-06	7/6/2020	--	22.18	--	846.21	824.03	--	
RW-07	7/6/2020	20.17	20.18	0.01	843.19	823.01	823.02	
RW-08	7/6/2020	--	12.74	--	835.48	822.74	--	
RW-09	7/6/2020	--	10.6	--	835.12	824.52	--	
RW-10	7/6/2020	--	7.42	--	848.53	841.11	--	
RW-11	7/6/2020	--	9.63	--	852.97	843.34	--	Well pressurized
RW-12	7/6/2020	--	9.55	--	854.49	843.42	--	Well pressurized and bubbling
RW-14	7/6/2020	--	3.74	--	827.54	823.8	--	
RW-15	7/6/2020	--	8.81	--	851.64	842.83	--	
SW-01	7/6/2020	--	-0.91	--	813.73	813.73	--	
SW-02	7/6/2020	--	-1.9	--	810.55	810.55	--	
SW-05	7/6/2020	--	--	--	838.75	838.75	--	Dry
SW-08	7/6/2020	--	-0.8	--	802.84	802.84	--	
SW-10	7/6/2020	--	-0.3	--	778.39	778.39	--	

Notes:

amsl = above mean sea level

btoc = below top of casing

ft = foot/feet

Table 3. Product Skimmer Recovery Results

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Well ID	Month 18 Volume Recovered (gal)	Month 19 Volume Recovered (gal)	Total Recovered to Date (gal)	Note
Date	**3/9/2020**	**7/6/2020**		
Product Skimmers				
MW-08	-	-	**-**	Removed skimmer from MW-08 -- 6/7/18
MW-15	-	-	**-**	Removed skimmer from MW-15 -- 6/7/18
MW-20	-	-	**-**	Removed skimmer from MW-20 -- 6/7/18
RS-01	-	-	**-**	Difficulty inserting 4-liter product skimmer, replaced with 1-liter product skimmer
RS-02	-	-	**-**	
RS-05	-	-	**-**	
RS-10	-	-	**-**	
RS-14	0.002	-	**0.002**	
RS-17	-	-	**-**	
RW-02	-	0.001	**0.001**	
RW-03	-	-	**-**	
RW-04	-	-	**-**	
RW-05	-	-	**-**	
RW-07	-	-	**-**	
RW-08	-	-	**-**	Removed skimmer from RW-08
RW-15	-	-	**-**	
RW-10	-	-	**-**	
Petroleum-Absorbent Socks				
MW-11	-	-	**-**	Removed sock from MW-11 -- 6/7/18
RS-08	-	-	**-**	Difficulty inserting product skimmer, replaced with sock
RT-2K	-	-	**-**	Difficulty inserting product skimmer, replaced with sock
RT-1A	-	-	**-**	Difficulty inserting product skimmer, replaced with sock
RT-1B	-	-	**-**	Difficulty inserting product skimmer, replaced with sock
RT-1C	-	-	**-**	Difficulty inserting product skimmer, replaced with sock
Total:	**0.002**	**0.001**	**0.002**	

Notes:

- = no product recovered

gal = gallons

ID = identification

MW = monitoring well

NA = not applicable

RS = recovery sump

RT = recovery trench

RW = recovery well

Table 4A. Analytical Results for Surface Water, First Trimester 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-01	SW01-040220	4/2/2020	µg/L	**6.75**		1	U	**3.20**		**2.32**		**1.69**		5	U	1	U
	SW01-050420	5/4/2020	µg/L	**1.13**		1	U	1	U	2	U	1	U	5	U	1	U
	SW01-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-02	SW02-040220	4/2/2020	µg/L	**3.01**		1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW02-050420	5/4/2020	µg/L	**4.35**		1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW02-060420	6/4/2020	µg/L	**6.49**		1	U	1	U	2	U	**1.55**		5	U	**2.22**	
	SW02-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.53**	
SW-03	SW03-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/4/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-04	SW04-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW04-060420	6/4/2020	µg/L	**1.79**		1	U	1	U	2	U	1	U	5	U	**1.58**	
	SW04-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.29**	
SW-05	SW05-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-07	SW07-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-08	SW08-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-09	SW09-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4A. Analytical Results for Surface Water, First Trimester 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-10	SW10-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-11	SW11-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-12	SW12-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-13	SW13-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.09**	
	SW13-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.87**	
	SW13-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.82**	
	SW13-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.89**	
SW-14	SW14-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW14-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:

[a] South Carolina Department of Health and Environmental Control (DHEC) R.61-68, Water Classifications and Standards, Human Health for Consumption of Water and Organism, June 27, 2014.

[b] Screening levels for these analytes are not specified in DHEC R. 61-68.

Samples analyzed by EPA Method SW 8260D.

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded its screening value.

µg/L = microgram(s) per liter

ID = identification

MTBE = methyl tertiary butyl ether

NA = not applicable

NS-IW = sample not collected due to insufficient volume at surface water location

SW = surface water

U = analyte was not detected above the reported sample quantitation limit

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-RELEASE	SW-RELEASE	1/20/2015	µg/L	**330**		**490**		**2,400**		**2,100**		**940**		**140**		**5.7**	**J**
SW-01	SW01-121114	12/11/2014	µg/L	0.5	U	1	U	1	U	2	U	1	U	1	U	1	U
	SW01-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-033115	3/31/2015	µg/L	5	U[c]	5	U	**17.6**		10	U	5	U	5	U	NA	
	SW01-042215	4/22/2015	µg/L	5	U[c]	5	U	**14.9**		10	U	5	U	5	U	NA	
	SW01-050715	5/7/2015	µg/L	5	U[c]	5	U	**7.0**		10	U	5	U	5	U	NA	
	SW01-051915	5/19/2015	µg/L	5	U[c]	5	U	**8.8**		**10.6**		**6.4**		5	U	NA	
	SW01-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW01-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW01-112415	11/24/2015	µg/L	**7.8**		**1.5**		**13.0**		**9.3**		**4.6**		1	U	NA	
	SW01-122215	12/22/2015	µg/L	**4.6**		1	U	**8.8**		**5.5**		**3.1**		1	U	NA	
	SW01-012516	1/25/2016	µg/L	**17.6**		**2.3**		**36.0**		**11.3**		**6.3**		1	U	NA	
	SW01-021816	2/18/2016	µg/L	**23.4**		**3.0**		**55.6**		**15.0**		**9.1**		1	U	NA	
	SW01-031616	3/16/2016	µg/L	**20.1**		**2.4**		**42.3**		**13.3**		**7.6**		1	U	NA	
	SW01-042716	4/27/2016	µg/L	**20.8**		1	U	**30.6**		**2.9**		**2.0**		1	U	NA	
	SW01-050916	5/9/2016	µg/L	**16.5**		**1.4**		**16.3**		**7.0**		**4.8**		1	U	NA	
	SW01-062716	6/27/2016	µg/L	**9**		1	U	**3.3**		2	U	1	U	1	U	NA	
	SW01-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW01-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW01-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW01-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW01-112816	11/28/2016	µg/L	**5.0**		1	U	**10.4**		**4.9**		**8.3**		1	U	NA	
	SW01-122916	12/29/2016	µg/L	**12.6**		1	U	**22.1**		**11.2**		**13.5**		1	U	NA	
	SW01-012017	1/20/2017	µg/L	**1.0**		1	U	**2.3**		2	U	**3.5**		1	U	NA	
	SW01-022817	2/28/2017	µg/L	**18.5**		**1.93**		**37.0**		**13.8**		**10.2**		5	U	NA	
	SW01-031517	3/15/2017	µg/L	**3.02**		1	U	**5.13**		**2.16**		**1.74**		5	U	NA	
	SW01-032117	3/21/2017	µg/L	1	U	1	U	**1.57**		2	U	1	U	5	U	NA	
	SW01-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-040517	4/5/2017	µg/L	1	U	1	U	**2.25**		2	U	1	U	5	U	NA	
	SW01-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-061317	6/13/2017	µg/L	1	U	1	U	**1.90**		2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-01	SW01-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-120517	12/5/2017	µg/L	**1.5**		1	U	**1.15**		2	U	**2.14**		5	U	NA	
	SW01-121417	12/14/2017	µg/L	**4.52**		1	U	**4.52**		**3.48**		**3.2**		5	U	NA	
	SW01-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	**1.15**		5	U	NA	
	SW01-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-030918	3/9/2018	µg/L	**1.15**		1	U	1	U	2	U	1	U	5	U	1	U
	SW01-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.1**	
	SW01-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.43**	
	SW01-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.09**	
	SW01-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.51**	
	SW01-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	3/7/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW01-051519	5/15/2019	µg/L	**2.39**		1	U	1	U	2	U	1	U	5	U	**1.56**	
	SW01-060619	6/6/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.93**	
	SW01-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.30**	
	SW01-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW01-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**	
	SW01-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.09**	
	SW01-122019	12/20/2019	µg/L	**1.25**		1	U	1	U	2	U	1	U	5	U	1	U
	SW01-010820	1/8/2020	µg/L	**1.49**		1	U	1	U	2	U	1	U	5	U	1	U
	--	2/10/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW01-031220	3/12/2020	µg/L	**7.99**		1	U	**2.04**		2	U	**1.19**		5	U	**1.12**	
	SW01-040220	4/2/2020	µg/L	**6.75**		1	U	**3.20**		**2.32**		**1.69**		5	U	1	U
	SW01-050420	5/4/2020	µg/L	**1.13**		1	U	1	U	2	U	1	U	5	U	1	U
	SW01-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-02	SW02-121114	12/11/2014	µg/L	0.5	U	1	U	1	U	2	U	1	U	1	U	1	U
	SW02-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-033115	3/31/2015	µg/L	5	U[c]	5	U	**6.0**		10	U	5	U	5	U	NA	
	SW02-042215	4/22/2015	µg/L	5	U[c]	5	U	**13.0**		10	U	5	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-02	SW02-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-112415	11/24/2015	µg/L	**6**		**1.3**		**10.0**		**7.8**		**4.0**		1	U	NA	
	SW02-122215	12/22/2015	µg/L	**4.1**		1	U	**7.6**		**5.1**		**3.1**		1	U	NA	
	SW02-012516	1/25/2016	µg/L	**12**		**1.5**		**25.0**		**8.4**		**4.6**		1	U	NA	
	SW02-021816	2/18/2016	µg/L	**15.5**		**1.8**		**35.3**		**10.1**		**5.9**		1	U	NA	
	SW02-031616	3/16/2016	µg/L	**8**		**1.0**		**17.5**		**5.8**		**3.9**		1	U	NA	
	SW02-042716	4/27/2016	µg/L	**5.6**		1	U	**7.1**		2	U	1	U	1	U	NA	
	SW02-050916	5/9/2016	µg/L	**7.1**		1	U	**4.5**		**2.2**		**1.6**		1	U	NA	
	SW02-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-112816	11/28/2016	µg/L	**5.4**		1	U	**1.6**		**2.6**		**4.8**		1	U	NA	
	SW02-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	**1.4**		1	U	NA	
	SW02-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-022817	2/28/2017	µg/L	**10.7**		1	U	**11.0**		**4.14**		**4.23**		5	U	NA	
	SW02-031517	3/15/2017	µg/L	**11.4**		1	U	**8.6**		**4.45**		**3.6**		5	U	NA	
	SW02-032117	3/21/2017	µg/L	**8.42**		1	U	**2.45**		**2.48**		**2.68**		5	U	NA	
	SW02-033017	3/30/2017	µg/L	**2.18**		1	U	1	U	2	U	1	U	5	U	NA	
	SW02-040517	4/5/2017	µg/L	**2.87**		1	U	**1.12**		2	U	**1.14**		5	U	NA	
	SW02-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-120517	12/5/2017	µg/L	**26.6**		**1.8**		**8.39**		**10.2**		**7.17**		5	U	NA	
	SW02-121417	12/14/2017	µg/L	**21.1**		**1.53**		**9.4**		**9.74**		**7.32**		5	U	NA	
	SW02-010918	1/9/2018	µg/L	**25.0**		**1.56**		**12.4**		**11**		**8.24**		5	U	NA	
	SW02-020618	2/6/2018	µg/L	**6.69**		**1**	U	**2.65**		**2.75**		**1.87**		5	U	1	U
	SW02-030918	3/9/2018	µg/L	**3.19**		1	U	**1.39**		2	U	**1.11**		5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-02	SW02-040618	4/6/2018	µg/L	**2.23**		1	U	1	U	2	U	1	U	5	U	**2.13**	
	SW02-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.25**	
	SW02-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.92**	
	SW02-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.15**	
	SW02-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.94**	
	SW02-120418	12/4/2018	µg/L	**11.9**		1	U	**1.32**		**4.40**		**3.75**		5	U	**2.23**	
	SW02-021919	2/19/2019	µg/L	**19.7**		1	U	**2.67**		**4.60**		**4.44**		5	U	**2.12**	
	SW02-030719	3/7/2019	µg/L	**22.3**		1	U	**3.58**		**4.71**		**4.32**		5	U	**2.46**	
	SW02-040919	4/9/2019	µg/L	**2.8**		1	U	1	U	2	U	1	U	5	U	1	U
	SW02-051519	5/15/2019	µg/L	**3.47**		1	U	1	U	2	U	1	U	5	U	**2.36**	
	SW02-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.02**	
	SW02-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.11**	
	SW02-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.35**	
	SW02-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.96**	
	SW02-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.51**	
	SW02-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.70**	
	SW02-122019	12/20/2019	µg/L	**9.47**		1	U	1	U	2	U	**2.23**		5	U	**2.68**	
	SW02-010820	1/8/2020	µg/L	**7.25**		1	U	1	U	2	U	1	U	5	U	**1.89**	
	SW02-021020	2/10/2020	µg/L	**23.7**		1	U	**1.92**		**4.60**		**3.03**		5	U	**1.37**	
	SW02-031220	3/12/2020	µg/L	**7.71**		1	U	**1.30**		2	U	**1.38**		5	U	**2.32**	
	SW02-040220	4/2/2020	µg/L	**3.01**		1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW02-050420	5/4/2020	µg/L	**4.35**		1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW02-060420	6/4/2020	µg/L	**6.49**		1	U	1	U	2	U	**1.55**		5	U	**2.22**	
	SW02-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.53**	
SW-03	SW-UPGRADIENT	1/20/2015	µg/L	0.5	U	1	U	**0.23 J**		2	U	1	U	1	U	1	U
	SW03-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-03	SW03-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW03-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	--	1/9/2018	--	NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS	
	SW03-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	3/7/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-03	SW03-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/4/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-04	SW-DOWNGRADIENT	1/20/2015	µg/L	**95**		**27**		**310**		**110**		**63**		**94**		**2.7**	
	SW04-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-112415	11/24/2015	µg/L	**1.7**		1	U	**2.7**		**2.9**		**1.6**		1	U	NA	
	SW04-122215	12/22/2015	µg/L	**3.3**		1	U	**7.3**		**5.2**		**2.7**		1	U	NA	
	SW04-012516	1/25/2016	µg/L	**6.9**		1	U	**14.0**		**4.9**		**2.8**		1	U	NA	
	SW04-021816	2/18/2016	µg/L	**10.9**		**1.1**		**25.4**		**7.0**		**4.3**		1	U	NA	
	SW04-031616	3/16/2016	µg/L	1	U	1	U	**2.0**		2	U	**1.8**		1	U	NA	
	SW04-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-062716	6/27/2016	µg/L	1	U	1	U	**1.1**		2	U	1	U	1	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-04	SW04-072816	7/28/2016	µg/L	1	U	1	U	**23.5**		2	U	1	U	1	U	NA	
	SW04-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW04-022817	2/28/2017	µg/L	1	U	1	U	**1.13**		2	U	1	U	5	U	NA	
	SW04-031517	3/15/2017	µg/L	1	U	1	U	**2.90**		2	U	1	U	5	U	NA	
	SW04-032117	3/21/2017	µg/L	1	U	1	U	**3.28**		2	U	1	U	5	U	NA	
	SW04-033017	3/30/2017	µg/L	1	U	1	U	**6.15**		2	U	1	U	5	U	NA	
	SW04-040517	4/5/2017	µg/L	1	U	1	U	**9.47**		2	U	1	U	5	U	NA	
	SW04-050417	5/4/2017	µg/L	1	U	1	U	**13.8**		2	U	1	U	5	U	NA	
	SW04-061317	6/13/2017	µg/L	1	U	1	U	**1.37**		2	U	1	U	5	U	NA	
	SW04-071817	7/18/2017	µg/L	1	U	1	U	**1.92**		2	U	1	U	5	U	NA	
	SW04-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW04-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW04-120517	12/5/2017	µg/L	1	U	1	U	**5.53**		2	U	1	U	5	U	NA	
	SW04-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW04-010918	1/9/2018	µg/L	1	U	1	U	**4.09**		2	U	1	U	5	U	NA	
	SW04-020618	2/6/2018	µg/L	**3.04**		1	U	**1.73**		2	U	**1.12**		5	U	1	U
	SW04-030918	3/9/2018	µg/L	1	U	1	U	**1.37**		2	U	1	U	5	U	1	U
	SW04-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.2**	
	SW04-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW04-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.13**	
	SW04-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-021919	2/19/2019	µg/L	**1.47**		1	U	1	U	2	U	1	U	5	U	1	U
	SW04-030719	3/7/2019	µg/L	**3.11**		1	U	1	U	2	U	1	U	5	U	1	U
	SW04-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.27**	
	SW04-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.36**	
	SW04-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.12**	
	SW04-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.56**	
	SW04-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**	
	SW04-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.06**	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-04	SW04-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-031220	3/12/2020	µg/L	**5.97**		1	U	**1.09**		2	U	**1.09**		5	U	**2.05**	
	SW04-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW04-060420	6/4/2020	µg/L	**1.79**		1	U	1	U	2	U	1	U	5	U	**1.58**	
	SW04-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.29**	
SW-05	SW05-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	5/19/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/3/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/18/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/15/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	4/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/9/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/31/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/28/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/15/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-05	--	3/21/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/30/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/18/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/2/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/14/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	4/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/7/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/12/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/14/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW05-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-06	SW06-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW06-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-06	SW06-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW06-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	3/31/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW06-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	5/7/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/19/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/3/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/18/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/15/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW06-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW06-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW06-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	3/16/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/9/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/31/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/28/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/15/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/21/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/30/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/18/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/2/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-06	--	12/14/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/3/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/7/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/12/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/14/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
SW-07	SW07-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW07-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW07-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/31/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-07	--	2/28/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	--	8/2/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW07-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	9/14/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-060619	6/6/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	7/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW07-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-08	SW08-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-122215	12/22/2015	µg/L	**1.6**		1	U	**3.8**		**2.5**		**1.6**		1	U	NA	
	SW08-012516	1/25/2016	µg/L	**2.4**		1	U	**5.6**		**2**		**1.3**		1	U	NA	
	SW08-021816	2/18/2016	µg/L	**2.9**		1	U	**7.6**		**2.3**		**1.5**		1	U	NA	
	SW08-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW08-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-08	SW08-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW08-010918	1/9/2018	µg/L	**1.16**		1	U	1	U	2	U	**1.87**		5	U	NA	
	SW08-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-030719	3/7/2019	µg/L	**2.45**		1	U	1	U	2	U	1	U	5	U	**1.17**	
	SW08-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-021020	2/10/2020	µg/L	**8.05**		1	U	1	U	2	U	**1.19**		5	U	1	U
	SW08-031220	3/12/2020	µg/L	**1.07**		1	U	1	U	2	U	1	U	5	U	**1.50**	
	SW08-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-09	SW09-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-09	SW09-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-122215	12/22/2015	µg/L	**2.1**		1	U	**4.8**		**3.3**		**2.1**		1	U	NA	
	SW09-012516	1/25/2016	µg/L	**3.3**		1	U	**7.1**		**2.4**		**1.5**		1	U	NA	
	SW09-021816	2/18/2016	µg/L	**2.2**		1	U	**5.9**		2	U	**1.2**		1	U	NA	
	SW09-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW09-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-09	SW09-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-030719	3/7/2019	µg/L	**1.88**		1	U	1	U	2	U	1	U	5	U	**1.07**	
	SW09-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-021020	2/10/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW09-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.20**	
	SW09-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-10	SW10-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-10	SW10-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	[a]	530	[a]	1,000	[a]	NA	[b]	NA	[b]	NA	[b]	NA	[b]
SW-10	SW10-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-11	SW11-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-11	SW11-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-12	SW12-081916	8/19/2016	µg/L	**6,430**		**764**		**15,400**		**3,360**		**1,730**		**128**		NA	
	SW12-092916	9/29/2016	µg/L	**7,850**		**1,030**		**19,000**		**3,910**		**1,940**		**143**		NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-12	SW12-103116	10/31/2016	µg/L	165		17.7		302		103		58.2		4.7		NA	
	SW12-112816	11/28/2016	µg/L	486		59.6		976		351		181		14.2		NA	
	SW12-122916	12/29/2016	µg/L	707		97.3		1,790		408		213		16.8		NA	
	SW12-012017	1/20/2017	µg/L	212		19.8		396		104		58		3.8		NA	
	SW12-022817	2/28/2017	µg/L	26.1		4.04		62.3		18.0		9.73		5	U	NA	
	SW12-031517	3/15/2017	µg/L	125		15.3		185		67.9		35.5		5	U	NA	
	SW12-032117	3/21/2017	µg/L	134		12.1		45.0		60.8		33.6		5	U	NA	
	SW12-033017	3/30/2017	µg/L	48.5		5.69		86.3		27.7		15.8		5	U	NA	
	SW12-040517	4/5/2017	µg/L	67.1		9.24		127.0		43.6		23.7		5	U	NA	
	SW12-050417	5/4/2017	µg/L	52.8		7.96		91.7		42		23.2		5	U	NA	
	SW12-061317	6/13/2017	µg/L	102		16.6		166		85.1		46.2		5	U	NA	
	SW12-071817	7/18/2017	µg/L	65		5.8		116		43.3		24.8		5	U	NA	
	SW12-080217	8/2/2017	µg/L	125		14.7		204		102		67		5	U	NA	
	SW12-090517	9/5/2017	µg/L	46.7		4.72		72		39		26.2		5	U	NA	
	SW12-120517	12/5/2017	µg/L	16.6		2.91		12.6		20.1		13.3		5	U	NA	
	SW12-121417	12/14/2017	µg/L	9.19		2.66		8.26		18		12.1		5	U	NA	
	SW12-010918	1/9/2018	µg/L	12.3		2.16		5.65		14.6		11.1		5	U	NA	
	SW12-020618	2/6/2018	µg/L	2.53		1	U	1.20		4.04		2.44		5	U	1	U
	SW12-030918	3/9/2018	µg/L	3.24		1.79		12.2		9.75		4.28		5	U	1	U
	SW12-040618	4/6/2018	µg/L	1.88		1	U	1	U	5.05		2.82		5	U	1	U
	SW12-050318	5/3/2018	µg/L	1	U	1	U	1	U	4.18		2.72		5	U	1	U
	SW12-060718	6/7/2018	µg/L	1.85		1	U	1	U	3.24		1.64		5	U	1	U
	SW12-071218	7/12/2018	µg/L	1.79		1	U	1	U	3.81		2.15		5	U	1	U
	SW12-091418	9/14/2018	µg/L	1.34		1	U	1	U	3.20		2.00		5	U	1	U
	SW12-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	3/7/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW12-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-060419	6/4/2019	µg/L	1.19		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-071819	7/18/2019	µg/L	1.09		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-082219	8/22/2019	µg/L	3.33		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-110519	11/5/2019	µg/L	1.67		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-010820	1/8/2020	µg/L	1.36		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-021020	2/10/2020	µg/L	18.9		1.54		2.68		20.7		5.13		5	U	2.39	
	SW12-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-12	SW12-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-13	SW13-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-103116	10/31/2016	µg/L	1	U	1	U	**2.0**		2	U	1	U	1	U	NA	
	SW13-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-040517	4/5/2017	µg/L	1	U	1	U	**1.21**		2	U	1	U	5	U	NA	
	SW13-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-020618	2/6/2018	µg/L	**1.78**		1	U	1	U	2	U	1	U	5	U	**4.26**	
	SW13-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.07**	
	SW13-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.4**	
	SW13-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**3.67**	
	SW13-060718	6/7/2018	µg/L	**2.99**		1	U	**2.48**		2	U	1	U	5	U	**8.08**	
	SW13-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-081318	8/13/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-120418	12/4/2018	µg/L	1	U	1	U	**1.84**		2	U	1	U	5	U	**3.49**	
	SW13-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**11.0**	
	SW13-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.30**	
	SW13-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.11**	
	SW13-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-091819	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-13	SW13-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.83**	
	SW13-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.11**	
	SW13-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.09**	
	SW13-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.79**	
	SW13-021020	2/10/2020	µg/L	**4.44**		1	U	1	U	2	U	1	U	5	U	**1.50**	
	SW13-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**3.73**	
	SW13-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.09**	
	SW13-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.87**	
	SW13-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.82**	
	SW13-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.89**	
SW-14	SW14-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	--	12/14/2017	--	NS-DW		NS-DW		NS-DW		NS-DW		NS-DW		NS-DW		NS-DW	
	SW14-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-040618	4/6/2018	µg/L	1	U	1	U	**1.43**		2	U	1	U	5	U	1	U
	SW14-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.18**	
	SW14-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.33**	
	SW14-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.62**	
	SW14-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.19**	
	SW14-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.68**	
	SW14-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.50**	
	SW14-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-010820	1/8/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-021020	2/10/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-031220	3/12/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-040220	4/2/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-14	SW14-050420	5/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-060420	6/4/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.49**	
	SW14-070920	7/9/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
FP-01	FP-01-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-01-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
FP-02	FP02-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
FP-02	FP-02-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-02-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
FP-03	FP03-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	8/19/2016	--	NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS	
	FP03-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	--	4/5/2017	--	NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS	
	FP-03-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP-03-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	**2.2**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
FP-03	FP03-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:

[a] South Carolina Department of Health and Environmental Control (DHEC) R.61-68, Water Classifications and Standards, Human Health for Consumption of Water and Organism, June 27, 2014.

[b] Screening levels for these analytes are not specified in DHEC R. 61-68.

[c] The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit cannot be determined.

Samples analyzed by EPA Methods SW 8260B/8260D.

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded its screening value.

µg/L = microgram(s) per liter

FP = fishing pond

ID = identification

J = estimated

MTBE = methyl tertiary butyl ether

NA = not applicable

NS-DW = sample not collected due to location being in a different watershed

NS-HS = sample not collected due to health and safety concerns

NS-IW = sample not collected due to insufficient volume at surface water location

SW = surface water

U = analyte was not detected above the reported sample quantitation limit

Table 5A. Analytical Results for Groundwater, First Trimester 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-01	MW-01-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-01B	MW-01B-070720	7/7/2020	µg/L	**5.56**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-04	MW-04-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06B	MW-06B-070720	7/7/2020	µg/L	1	U	1	U	**3.55**		3	U	1	U	1	U	5	U	--	
MW-07	MW-07-050620	5/6/2020	µg/L	**69.5**		**122**		**508**		**1,130**		5	U	5	U	**35.9**		--	
	MW-07-070920	7/9/2020	µg/L	**41.4**		**22.1**		**103**		**431**		1	U	1	U	**5.45**		--	
MW-09	MW-09-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**7.58**		5	U	--	
MW-09B	MW-09B-070720	7/7/2020	µg/L	**2.66**		**2.42**		**10.5**		**19.1**		1	U	1	U	5	U	--	
MW-11	MW-11-070820	7/8/2020	µg/L	**4,540**		**2,210**		**30,300**		**13,900**		250	U[b]	250	U[b]	1,250	U[b]	--	
MW-12	MW-12-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-12B	MW-12B-050620	5/6/2020	µg/L	**23.9**		1	U	1	U	3	U	1		1		**9.01**		--	
	MW-12B-070820	7/8/2020	µg/L	**10.7**		1	U	1	U	3	U	1		1		**6.58**		--	
MW-13	MW-13-070820	7/8/2020	µg/L	**13400**		**1310**		**29600**		**7750**		50	U[b]	50	U[b]	250	U[b]	--	
MW-13B	MW-13B-050620	5/6/2020	µg/L	**991**		**41.8**		**106**		**293**		5	U	**145**		25	U	--	
	MW-13B-070920	7/9/2020	µg/L	**2170**		50	U	**55.6**		150	U	50	U[b]	**192**		250	U[b]	--	
MW-14	MW-14-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.03**		5	U	--	
MW-14B	MW-14B-070820	7/8/2020	µg/L	**14.6**		1	U	1	U	**3.63**		1	U	**12.3**		5	U	--	
MW-15	MW-15-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-15B	MW-15B-050620	5/6/2020	µg/L	**2,510**		**136**		**1,050**		**1,630**		20	U[b]	**167**		100	U[b]	--	
	MW-15B-072220	7/22/2020	µg/L	**4,130**		**201**		**1,270**		**2,090**		20	U[b]	**206**		100	U[b]	--	
MW-17	MW-17-070720	7/7/2020	µg/L	**2.21**		1	U	**1.44**		**5.46**		1	U	1	U	5	U	--	
MW-17B	MW-17B-072220	7/22/2020	µg/L	**8,180**		**1,750**		**22,800**		**11,200**		250	U[b]	250	U[b]	1,250	U[b]	--	
MW-18	MW-18-070720	7/7/2020	µg/L	1	U	1	U	**1.85**		**8.84**		1	U	**8.53**		**29.8**		--	
MW-19	MW-19-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-20	MW-20-070920	7/9/2020	µg/L	**8,310**		**1,770**		**25,900**		**10,700**		250	U[b]	250	U[b]	1250	U[b]	--	
MW-21	MW-21-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.20**		5	U	--	
MW-22	MW-22-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-23	MW-23-050620	5/6/2020	µg/L	**1,660**		**119**		**1,220**		**1430**		20	U[b]	**25.0**		100	U[b]	--	
	MW-23-070920	7/9/2020	µg/L	**3,490**		**239**		**3,780**		**2240**		20	U[b]	**56.9**		100	U[b]	--	
MW-23B	MW-23B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24	MW-24-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24B	MW-24B-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25	MW-25-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25B	MW-25B-070820	7/8/2020	µg/L	**1.38**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26	MW-26-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26B	MW-26B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5A. Analytical Results for Groundwater, First Trimester 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-27	MW-27-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27B	MW-27B-070820	7/8/2020	µg/L	1	U	**1.43**		**2.48**		**9.72**		1	U	1	U	5	U	--	
MW-28	MW-28-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-29	MW-29-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-32	MW-32-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-33T	MW-33T-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-35	MW-35-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-36	MW-36-050620	5/6/2020	µg/L	**1.72**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36-070920	7/9/2020	µg/L	**4.87**		1	U	**3.81**		**4.57**		1	U	**1.81**		5	U	--	
MW-36B	MW-36B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-37	MW-37-050420	5/4/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.17**		5	U	--	
	MW-37-072220	7/22/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-38	MW-38-050420	5/4/2020	µg/L	**858**		10	U	10	U	**178**		10	U[b]	**128**		50	U[b]	--	
	MW-38-072220	7/22/2020	µg/L	**3610**		20	U	20	U	**620**		20	U[b]	**302**		100	U[b]	--	
MW-38B	MW-38B -050420	5/4/2020	µg/L	**1030**		**2.20**		**5.88**		**249**		1	U	**122**		**11.3**		--	
	MW-38B-070820	7/8/2020	µg/L	**2580**		20	U	20	U	**355**		20	U[b]	**181**		100	U[b]	--	
MW-39	MW-39-070820	7/8/2020	µg/L	**3.38**		1	U	1	U	3	U	1	U	**87.0**		5	U	--	
MW-40	MW-40-070920	7/9/2020	µg/L	**1.24**		1	U	1	U	3	U	1	U	**17.2**		5	U	--	
MW-41	MW-41-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-42	MW-42-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-45	MW-45-050620	5/6/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**5.40**		5	U	--	
	MW-45-070920	7/9/2020	µg/L	1	U	1	U	**3.71**		3	U	1	U	**32.3**		5	U	--	
MW-45B	MW-45B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-46	MW-46-050520	5/5/2020	µg/L	**8.35**		1	U	1	U	3	U	1	U	**136**		5	U	--	
	MW-46-072220	7/22/2020	µg/L	**55.7**		1	U	1	U	**6.54**		1	U	**147**		5	U	--	
MW-47	MW-47-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-50B	MW-50B-050620	5/6/2020	µg/L	**39.0**		1	U	1	U	3	U	1	U	**65.0**		5	U	--	
	MW-50B-070820	7/8/2020	µg/L	**44.8**		1	U	1	U	3	U	1	U	**68.9**		5	U	--	
MW-51	MW-51-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-52	MW-52-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.76**		5	U	--	
MW-53	MW-53-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-54	MW-54-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-55	MW-55-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-56	MW-56-050420	5/4/2020	µg/L	**1.49**		1	U	1	U	3	U	1	U	**95.1**		5	U	--	
	MW-56-072220	7/22/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**55.3**		5	U	--	

Table 5A. Analytical Results for Groundwater, First Trimester 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-57	MW-57-050420	5/4/2020	µg/L	**117**		1	U	1	U	**10.3**		1	U	**119**		5	U	--	
	MW-57-072220	7/22/2020	µg/L	**182**		1	U	1	U	**17.2**		1	U	**106**		5	U	--	
MW-60	MW-60-050420	5/4/2020	µg/L	**421**		1	U	**7.61**		**175**		1	U	**111**		**5.67**		--	
	MW-60-070720	7/7/2020	µg/L	**970**		**1.19**		**15.4**		**252**		1	U	**145**		**10.3**		--	

Notes:

[a] RBSL = Risk-based screening level identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan, Revision 3.1, Table D1 "RBSLs for Groundwater," February 2016.

[b] The constituent was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit cannot be determined.

Samples analyzed by EPA Methods SW 8260D and 8011.

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

ID = identification

J = estimated

MTBE = methyl tertiary butyl ether

MW = monitoring well

U = analyte was not detected above the reported sample quantitation limit

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-01	MW-01-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-01-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-01-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-120517	12/5/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-030818	3/8/2018	µg/L	**1.85**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-091118	9/11/2018	µg/L	**2.02**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-031220	3/12/2020	µg/L	5	U	5	U	5	U	15	U	U	U	5	U	25	U	--	
	MW-01-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-01B	MW-01B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	5	U
	MW-01B-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-01B-120116	12/1/2016	µg/L	1	U	1	U	**1.40**		**5.60**		1	U	1	U	**1.30**		--	
	MW-01B-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-120517	12/5/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-030818	3/8/2018	µg/L	**3.51**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-060518	6/5/2018	µg/L	**8.96**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-091118	9/11/2018	µg/L	**11.1**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-120518	12/5/2018	µg/L	**8.30**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-030519	3/5/2019	µg/L	**3.32**		1	U	1	U	3	U	1	U	**1.02**		5	U	--	
	MW-01B-060519	6/5/2019	µg/L	**1.82**		1	U	1	U	3	U	1	U	**1.00**		5	U	--	
	MW-01B-091919	9/19/2019	µg/L	**1.53**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-121719	12/17/2019	µg/L	**3.29**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-031220	3/12/2020	µg/L	**5.76**		1	U	1	U	3	U	1	U	**1.12**		5	U	--	
	MW-01B-070720	7/7/2020	µg/L	**5.56**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02	MW-02-072715	7/27/2015	µg/L	**4,320**		625	U	**9,670**		**2,460**		5	U[b]	**171**		**74.7**		0.02	U
	MW-02-012616	1/26/2016	µg/L	**9,500**		**1,160**		**25,000**		**6,310**		50	U[b]	**285**		**139**		0.019	U
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-02-062917	6/29/2017	µg/L	**8,040**		**833**		**27,100**		**9,890**		250	U[b]	250	U[b]	1,250	U[b]	--	
	MW-02-090817	9/8/2017	µg/L	**2,340**		**181**		**7,120**		**8,510**		50	U[b]	50	U[b]	**389**		--	
	MW-02-100417	10/4/2017	µg/L	**3,510**		**306**		**11,900**		**11,200**		50	U[b]	**53.9**		250	U[b]	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-02	MW-02-110817	11/8/2017	µg/L	**850**		100	U	**1,370**		**3,520**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-02-120717	12/7/2017	µg/L	**153**		**15.1**		**313**		**441**		1	U	**70.9**		**12.8**		--	
	MW-02-010918	1/9/2018	µg/L	**307**		10	U	**878**		**1,300**		10	U[b]	**61.8**		**63.7**		--	
	MW-02-020618	2/6/2018	µg/L	**30.5**		**1.09**		**29.6**		**88.3**		1	U	**32.0**		5	U	--	
	MW-02-030718	3/7/2018	µg/L	**131**		**34.1**		**594**		**442**		1	U	**27.6**		**34.5**		--	
	MW-02-040618	4/6/2018	µg/L	**72.5**		**8.96**		**94.7**		**501**		1	U	**18.4**		5	U	--	
	MW-02-050318	5/3/2018	µg/L	**35.4**		**7.50**		**14.9**		**163**		1	U	**7.95**		5	U	--	
	MW-02-060618	6/6/2018	µg/L	1	U	1	U	**3.19**		**3.70**		1	U	**1.25**		5	U	--	
	MW-02-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-031320	3/13/2020	µg/L	1	U	1	U	1	U	**4.60**		1	U	1	U	5	U	--	
MW-02B	MW-02B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-02B-030116	3/1/2016	µg/L	1	U	1	U	**4.80**		**4.60**		1	U	1	U	1	U	0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-02B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-120717	12/7/2017	µg/L	1	U	1	U	**1.11**		3	U	1	U	1	U	5	U	--	
	MW-02B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-03	MW-03-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-03-012516	1/25/2016	µg/L	**108**		**20.1**		**958**		**598**		1	U	1	U	**11.1**		0.02	U
	MW-03-120616	12/6/2016	µg/L	**61.1**		**25.1**		**229**		**330**		2	U	2	U	**3.60**		--	
	MW-03-062917	6/29/2017	µg/L	**10.9**		1	U	**24.6**		**6.98**		1	U	**2.34**		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-03	--	9/5/2017	--	NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS	
	--	10/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-03-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-120517	12/5/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-03-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-03-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-04	MW-04-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-04-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-04-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-04-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-05	MW-05-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-05-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-05	MW-05-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-05-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06	MW-06-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-06-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-06-120216	12/2/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-06-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-06B	MW-06B-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06B-030718	3/7/2018	µg/L	1	U	1	U	**3.63**		3	U	1	U	1	U	5	U	--	
	MW-06B-060718	6/7/2018	µg/L	1	U	1	U	**4.69**		3	U	1	U	1	U	5	U	--	
	MW-06B-091318	9/13/2018	µg/L	1	U	1	U	**1.17**		3	U	1	U	1	U	5	U	--	
	MW-06B-120618	12/6/2018	µg/L	1	U	1	U	**1.89**		3	U	1	U	1	U	5	U	--	
	MW-06B-030719	3/7/2019	µg/L	1	U	1	U	**1.42**		3	U	1	U	1	U	5	U	--	
	MW-06B-060419	6/4/2019	µg/L	1	U	1	U	**4.53**		3	U	1	U	1	U	5	U	--	
	MW-06B-091819	9/18/2019	µg/L	1	U	1	U	**3.52**		3	U	1	U	1	U	5	U	--	
	MW-06B-121819	12/18/2019	µg/L	1	U	1	U	**4.47**		3	U	1	U	1	U	5	U	--	
	MW-06B-031320	3/13/2020	µg/L	1	U	1	U	**1.56**		3	U	1	U	1	U	5	U	--	
	MW-06B-070720	7/7/2020	µg/L	1	U	1	U	**3.55**		3	U	1	U	1	U	5	U	--	
MW-07	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-012116	1/21/2016	µg/L	**1,060**		**389**		**5,210**		**2,620**		40	U[b]	40	U[b]	40	U[b]	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-062917	6/29/2017	µg/L	**4,290**		**629**		**17,700**		**4,990**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-030818	3/8/2018	µg/L	**4,550**		**802**		**14,100**		**7,520**		50	U[b]	50	U[b]	250	U[b]	--	
	--	4/6/2018	µg/L	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-050318	5/3/2018	µg/L	**6,330**		**662**		**16,500**		**9,060**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-091218	9/12/2018	µg/L	**4,620**		**639**		**13,600**		**6,180**		1	U	1	U	**82.5**		--	
	MW-07-120618	12/6/2018	µg/L	**4,850**		**574**		**13,400**		**9,890**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-07-021919	2/19/2019	µg/L	**5,360**		**516**		**12,400**		**7,280**		1	U	1	U	**6.32**		--	
	MW-07-030719	3/7/2019	µg/L	**3,110**		**147**		**5,780**		**4,110**		1	U	1	U	5	U	--	
	MW-07-051519	5/15/2019	µg/L	**2,030**		**169**		**3,440**		**3,110**		1	U	1	U	**9.44**		--	
	MW-07-060419	6/4/2019	µg/L	**1,940**		**168**		**3,390**		**2,740**		1	U	1	U	**6.90**		--	
	MW-07-082019	8/20/2019	µg/L	**2,120**		**340**		**4,750**		**3,650**		50	U[b]	50	U[b]	250	U[b]	--	
	MW-07-091919	9/19/2019	µg/L	**1,580**		**148**		**2,550**		**2,160**		50	U[b]	50	U[b]	250	U[b]	--	
	--	11/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-021320	2/13/2020	µg/L	**487**		**463**		**3,100**		**5,530**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-07-031120	3/11/2020	µg/L	**62.3**		**76.0**		**464**		**1,310**		5	U	5	U	**40.9**		--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-07	MW-07-050620	5/6/2020	µg/L	**69.5**		**122**		**508**		**1,130**		5	U	5	U	**35.9**		--	
	MW-07-070920	7/9/2020	µg/L	**41.4**		**22.1**		**103**		**431**		1	U	1	U	**5.45**		--	
MW-08		7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-08-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-08-120616	12/6/2016	µg/L	1	U	1	U	**14.4**		**7.10**		1	U	1	U	1	U	--	
	MW-08-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-08-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-09	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-09-062917	6/29/2017	µg/L	**3,860**		**517**		**13,000**		**8,680**		200	U[b]	200	U[b]	1,000	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-09-120717	12/7/2017	µg/L	**54.3**		**3.44**		**19.6**		**64.8**		1	U	**27.5**		5	U	--	
	MW-09-030718	3/7/2018	µg/L	**3.30**		1	U	**11.0**		**3.92**		1	U	**8.74**		5	U	--	
	MW-09-060618	6/6/2018	µg/L	**2.25**		1	U	**6.06**		**4.75**		1	U	**3.65**		5	U	--	
	MW-09-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.14**		5	U	--	
	MW-09-120618	12/6/2018	µg/L	**6.39**		**2.61**		**48.3**		**39.8**		1	U	**5.68**		**6.79**		--	
	MW-09-030719	3/7/2019	µg/L	**6.24**		**3.80**		**64.3**		**52.7**		1	U	**5.90**		5	U	--	
	MW-09-060419	6/4/2019	µg/L	1	U	1	U	**1.66**		3	U	1	U	**3.95**		5	U	--	
	MW-09-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.48**		5	U	--	
	MW-09-121819	12/18/2019	µg/L	1	U	1	U	**5.00**		**3.10**		1	U	**1.34**		5	U	--	
	MW-09-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**2.72**		5	U	--	
	MW-09-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**7.58**		5	U	--	
MW-09B	MW-09B-120717	12/7/2017	µg/L	**21.8**		**24.7**		**82.1**		**179**		1	U	**4.72**		**11.9**		--	
	MW-09B-030718	3/7/2018	µg/L	**4.36**		**4.50**		**18.1**		**33.3**		1	U	**1.37**		5	U	--	
	MW-09B-060618	6/6/2018	µg/L	**17.1**		**16.5**		**66.5**		**139**		1	U	**3.61**		**8.09**		--	
	MW-09B-091318	9/13/2018	µg/L	1	U	1	U	**5.90**		**4.44**		1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte															
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-09B	MW-09B-120618	12/6/2018	µg/L	**2.19**		**2.14**		**8.22**		**16.8**		1	U	1	U	5	U	--	
	MW-09B-030719	3/7/2019	µg/L	**13.2**		**13.7**		**51.1**		**110**		1	U	**2.46**		**6.54**		--	
	MW-09B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-09B-121819	12/18/2019	µg/L	**4.11**		**4.57**		**16.8**		**34.2**		1	U	1	U	5	U	--	
	MW-09B-031320	3/13/2020	µg/L	1	U	1	U	**1.25**		3	U	1	U	1	U	5	U	--	
	MW-09B-070720	7/7/2020	µg/L	**2.66**		**2.42**		**10.5**		**19.1**		1	U	1	U	5	U	--	
MW-10	MW-10-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-10-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-10-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-10-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-11	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-11-012616	1/26/2016	µg/L	**10,600**		**948**		**24,400**		**4,700**		10	U[b]	**432**		**123**		0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-11-062817	6/28/2017	µg/L	**10,900**		**2,140**		**29,600**		**11,700**		100	U[b]	**147**		500	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-11	--	3/5/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/10/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-11-030619	3/6/2019	µg/L	**8,260**		**1,990**		**30,300**		**11,900**		200	U[b]	200	U[b]	1,000	U[b]	--	
	MW-11-060519	6/5/2019	µg/L	**6,940**		**1,660**		**22,500**		**9,020**		200	U[b]	200	U[b]	1,000	U[b]	--	
	MW-11-091919	9/19/2019	µg/L	**7,950**		**2,570**		**33,700**		**14,300**		500	U[b]	500	U[b]	2,500	U[b]	--	
	--	12/16/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-11-021820	2/18/2020	µg/L	**4,790**		**2,170**		**29,200**		**12,600**		500	U[b]	500	U[b]	2,500	U[b]	--	
	MW-11-031220	3/12/2020	µg/L	**6,220**		**2,790**		**31,700**		**16,000**		250	U[b]	250	U[b]	1,250	U[b]	--	
	MW-11-070820	7/8/2020	µg/L	**4,540**		**2,210**		**30,300**		**13,900**		250	U[b]	250	U[b]	1,250	U[b]	--	
MW-12	MW-12-072815	7/28/2015	µg/L	**51.3**		5	U	**22.9**		**39.2**		5	U[b]	5	U	5	U	0.02	U
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/13/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/20/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/31/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	4/6/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-12-062817	6/28/2017	µg/L	**1,190**		**467**		**7,910**		**5,100**		50	U[b]	50	U[b]	250	U[b]	--	
	MW-12-090817	9/8/2017	µg/L	**648**		**436**		**3,470**		**4,440**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-12-120617	12/6/2017	µg/L	**367**		**137**		**1,540**		**4,660**		10	U[b]	10	U	**54.4**		--	
	MW-12-030818	3/8/2018	µg/L	**486**		**25.2**		**1,880**		**1,980**		10	U[b]	10	U	50	U[b]	--	
	MW-12-060518	6/5/2018	µg/L	**16.3**		**2.51**		**181**		**249**		1	U	1	U	5	U	--	
	MW-12-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-120518	12/5/2018	µg/L	**5.81**		**2.75**		**9.08**		**72.0**		1	U	1	U	5	U	--	
	MW-12-030619	3/6/2019	µg/L	1	U	1	U	**3.94**		**4.86**		1	U	1	U	5	U	--	
	MW-12-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-12B	MW-12B-012616	1/26/2016	µg/L	**228**		**31.4**		**193**		**532**		1	U	**5.40**		**14.6**		0.019	U
	MW-12B-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-12B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-12B	MW-12B-062817	6/28/2017	µg/L	**30.1**		1	U	**7.28**		**14.3**		1	U	**11.8**		5	U	--	
	MW-12B-090817	9/8/2017	µg/L	**126**		**3.81**		**16.8**		**256**		1	U	1	U	**12.0**		--	
	MW-12B-120617	12/6/2017	µg/L	**1.01**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-030818	3/8/2018	µg/L	**3.06**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-060518	6/5/2018	µg/L	**275**		**58.7**		**20.9**		**171**		1	U	1	U	**22.5**		--	
	MW-12B-091118	9/11/2018	µg/L	**246**		**39.8**		**2.87**		**68.0**		1	U	1	U	**18.7**		--	
	MW-12B-120518	12/5/2018	µg/L	**240**		**57.7**		**29.5**		**160**		1	U	1	U	**17.7**		--	
	MW-12B-030619	3/6/2019	µg/L	**309**		**70.4**		**19.6**		**201**		1	U	1	U	**36.7**		--	
	MW-12B-060519	6/5/2019	µg/L	**88.4**		**38.0**		5	U	**15.2**		5	U	5	U	25	U	--	
	MW-12B-082219	8/22/2019	µg/L	**27.0**		**3.54**		1	U	3	U	1	U	1	U	**5.94**		--	
	MW-12B-091919	9/19/2019	µg/L	**23.1**		**2.33**		1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-110619	11/6/2019	µg/L	**2.73**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-122019	12/20/2019	µg/L	**1.09**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-021120	2/11/2020	µg/L	**64.9**		**22.9**		**3.75**		**74.6**		1	U	1	U	**23.1**		--	
	MW-12B-031220	3/12/2020	µg/L	**22.6**		1	U	**1.27**		**6.05**		1	U	1	U	**8.14**		--	
	MW-12B-050620	5/6/2020	µg/L	**23.9**		1	U	1	U	3	U	1		1		**9.01**		--	
	MW-12B-070820	7/8/2020	µg/L	**10.7**		1	U	1	U	3	U	1		1		**6.58**		--	
MW-13	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-012816	1/28/2016	µg/L	**2.00**		1	U	**12.5**		**6.90**		1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-062917	6/29/2017	µg/L	**1.18**		1	U	**3.39**		3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-030618	3/6/2018	µg/L	**6.98**		**1.14**		**15.3**		**4.55**		1	U	1	U	5	U	--	
	MW-13-060618	6/6/2018	µg/L	**44.2**		**4.25**		**86.2**		**19.9**		1	U	1	U	5	U	--	
	--	9/10/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-120718	12/7/2018	µg/L	**83.4**		**9.62**		**158**		**23.6**		1	U	1	U	5	U	--	
	MW-13-030619	3/6/2019	µg/L	**326**		**10.9**		**132**		**120**		1	U	1	U	5	U	--	
	MW-13-060519	6/5/2019	µg/L	**35.2**		5	U	5	U	**19.6**		5	U	5	U	25	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-031120	3/11/2020	µg/L	**1000**		**4.59**		**30.5**		**23.3**		1	U	**133**		**6.17**	**J**	--	
	MW-13-070820	7/8/2020	µg/L	**13400**		**1310**		**29600**		**7750**		50	U[b]	50	U[b]	250	U[b]	--	
MW-13B	MW-13B-012816	1/28/2016	µg/L	**367**		1	U	**5.60**		**59.5**		1	U	**119**		1	U	0.02	U
	MW-13B-113016	11/30/2016	µg/L	**550**		**5.10**		**21.2**		**140**		5	U[b]	**158**		**7.90**		--	
	MW-13B-062817	6/28/2017	µg/L	**308**		**3.09**		**10.3**		**103**		1	U	**121**		**5.13**		--	
	MW-13B-090817	9/8/2017	--	NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte															
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-13B	MW-13B-110817	11/8/2017	µg/L	325		3.42		19.0		91.6		1	U	173		5.55		--	
	MW-13B-120617	12/6/2017	µg/L	269		3.97		24.4		100		1	U	140		8.83		--	
	MW-13B-030718	3/7/2018	µg/L	252		3.13		12.1		60.2		1	U	175		6.44		--	
	MW-13B-060618	6/6/2018	µg/L	498		47.7		469		282		1	U	148		8.47		--	
	MW-13B-091218	9/12/2018	µg/L	402		42.5		503		271		1	U	141		5	U	--	
	MW-13B-120618	12/6/2018	µg/L	614		93.5		823		516		1	U	139		10.8		--	
	MW-13B-030619	3/6/2019	µg/L	445		53.1		679		383		1	U	143		8.60		--	
	MW-13B-060519	6/5/2019	µg/L	195		25.3		302		194		5	U	140		25	U	--	
	MW-13B-091819	9/18/2019	µg/L	408		71.2		325		446		1	U	142		14.0		--	
	MW-13B-121819	12/18/2019	µg/L	257		18.0		166		155		1	U	132		5.60		--	
	MW-13B-021820	2/18/2020	µg/L	1320		5	U	52.3		21.1		5	U	115		250	U[b]	--	
	MW-13B-031120	3/11/2020	µg/L	4690		217		8870		1530		20	U[b]	20	U	100	U[b]	--	
	MW-13B-050620	5/6/2020	µg/L	991		41.8		106		293		5	U	145		25	U	--	
	MW-13B-070920	7/9/2020	µg/L	2170		50	U	55.6		150	U	50	U[b]	192		250	U[b]	--	
MW-14	MW-14-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-14-012816	1/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-14-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-14-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	2.02		5	U	--	
	MW-14-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	6.65		5	U	--	
	MW-14-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1.03		5	U	--	
MW-14B	MW-14B-052516	5/25/2016	µg/L	5.00		1	U	1	U	4.40		1	U	17.2		1	U	0.02	U
	MW-14B-113016	11/30/2016	µg/L	10.5		1	U	1.10		5.50		1	U	19.7		1	U	--	
	MW-14B-062817	6/28/2017	µg/L	38.1		1.34		2.56		19.1		1	U	36.2		5	U	--	
	MW-14B-090817	9/8/2017	µg/L	6.81		1	U	1	U	6.67		1	U	18.7		5	U	--	
	MW-14B-120617	12/6/2017	µg/L	8.82		1	U	1	U	6.91		1	U	24.4		5	U	--	
	MW-14B-030718	3/7/2018	µg/L	3.57		1	U	1	U	5.60		1	U	9.28		5	U	--	
	MW-14B-060418	6/6/2018	µg/L	8.63		1	U	1	U	5.77		1	U	22.1		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-14B	MW-14B-091218	9/12/2018	µg/L	**3.32**		1	U	1	U	**3.61**		1	U	**7.86**		5	U	--	
	MW-14B-120618	12/6/2018	µg/L	**3.56**		1	U	**1.40**		**6.34**		1	U	**6.56**		5	U	--	
	MW-14B-030619	3/6/2019	µg/L	**2.70**		1	U	1	U	3	U	1	U	**8.83**		5	U	--	
	MW-14B-060519	6/5/2019	µg/L	**9.13**		1	U	**1.01**		**6.57**		1	U	**17.7**		5	U	--	
	MW-14B-091819	9/18/2019	µg/L	**1.74**		1	U	1	U	**4.57**		1	U	**11.1**		5	U	--	
	MW-14B-121819	12/18/2019	µg/L	**5.69**		1	U	1	U	**4.86**		1	U	**10.7**		5	U	--	
	MW-14B-031120	3/11/2020	µg/L	**12.8**		1	U	1	U	**3.38**		1	U	**11.7**		5	U	--	
	MW-14B-070820	7/8/2020	µg/L	**14.6**		1	U	1	U	**3.63**		1	U	**12.3**		5	U	--	
MW-15	MW-15-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-15-012816	1/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-15-120716	12/7/2016	µg/L	**3,680**		**139**		**422**		**2,280**		25	U[b]	**188**		**43.8**		--	
	MW-15-031417	3/14/2017	µg/L	**1,960**		**72.1**		**324**		**1,320**		25	U[b]	**161**		125	U[b]	--	
	MW-15-032017	3/20/2017	µg/L	**3,390**		**103**		**505**		**2,460**		50	U[b]	**194**		250	U[b]	--	
	MW-15-033117	3/31/2017	µg/L	**2,850**		**65.4**		**444**		**1,860**		20	U[b]	**221**		100	U[b]	--	
	MW-15-040617	4/6/2017	µg/L	**1,790**		**60.6**		**465**		**886**		25	U[b]	**181**		125	U[b]	--	
	MW-15-062817	6/28/2017	µg/L	**72.7**		25	U	**28.8**		**110**		25	U[b]	**91.8**		125	U[b]	--	
	MW-15-090817	9/8/2017	µg/L	**454**		**24.0**		**567**		**338**		5	U[b]	**193**		25	U[b]	--	
	MW-15-120617	12/6/2017	µg/L	1	U	1	U	**1.60**		**4.64**		1	U	**140**		5	U	--	
	MW-15-030818	3/8/2018	µg/L	**53.1**		**2.75**		**89.9**		**53.1**		1	U	**85.0**		5	U	--	
	MW-15-060618	6/6/2018	µg/L	**52.2**		**4.11**		**81.4**		**46.5**		1	U	**63.8**		5	U	--	
	MW-15-091218	9/12/2018	µg/L	**14.6**		1	U	**27.9**		**16.0**		1	U	**72.2**		5	U	--	
	MW-15-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**15.9**		5	U	--	
	MW-15-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.57**		5	U	--	
	MW-15-060519	6/5/2019	µg/L	**1.03**		1	U	1	U	3	U	1	U	**4.33**		5	U	--	
	MW-15-091919	9/19/2019	µg/L	**1.25**		1	U	1	U	3	U	1	U	**4.73**		5	U	--	
	MW-15-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.33**		5	U	--	
	MW-15-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**4.19**		5	U	--	
	MW-15-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-15B	MW-15B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-15B-012816	1/28/2016	µg/L	**4.80**		1	U	**2.00**		**3.90**		1	U	1	U	1	U	0.02	U
	MW-15B-113016	11/30/2016	µg/L	**337**		**34.0**		**565**		**194**		5	U[b]	**26.7**		**5**		--	
	MW-15B-031417	3/14/2017	µg/L	**2,160**		**248**		**4,580**		**1,500**		100	U[b]	**118**		500	U[b]	--	
	MW-15B-032017	3/20/2017	µg/L	**615**		**88.6**		**1,270**		**555**		25	U[b]	**67.5**		125	U[b]	--	
	MW-15B-033117	3/31/2017	µg/L	**1,630**		**205**		**3,240**		**1,180**		50	U[b]	**115**		250	U[b]	--	
	MW-15B-040617	4/6/2017	µg/L	**1,020**		**132**		**2,020**		**789**		25	U[b]	**84.7**		125	U[b]	--	
	MW-15B-062817	6/28/2017	µg/L	**1,510**		**145**		**3,520**		**1,280**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-15B-090817	9/8/2017	µg/L	**1,820**		**164**		**3,560**		**1,210**		50	U[b]	**133**		250	U[b]	--	

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-15B	MW-15B-120617	12/6/2017	µg/L	**1,760**		**239**		**3,630**		**1,380**		1	U	**135**		**37.6**		--	
	MW-15B-030818	3/8/2018	µg/L	**1,290**		**151**		**3,140**		**1,070**		25	U[b]	**93.2**		125	U[b]	--	
	MW-15B-060618	6/6/2018	µg/L	**968**		**82.8**		**1,990**		**791**		1	U	**109**		**12.8**		--	
	MW-15B-091218	9/12/2018	µg/L	**947**		**122**		**2,270**		**820**		1	U	**111**		**15.9**		--	
	MW-15B-120618	12/6/2018	µg/L	**725**		**96.4**		**1,890**		**777**		1	U	**71.8**		**11.7**		--	
	MW-15B-021919	2/19/2019	µg/L	**686**		**71.2**		**1,420**		**621**		1	U	**92.3**		**12.6**		--	
	MW-15B-030619	3/6/2019	µg/L	**729**		**78.3**		**1,580**		**649**		1	U	**91.2**		**15.4**		--	
	MW-15B-051519	5/15/2019	µg/L	**721**		**118**		**1,180**		**526**		1	U	**96.6**		**19.5**		--	
	MW-15B-060519	6/5/2019	µg/L	**590**		**48.4**		**1,090**		**492**		10	U[b]	**98.0**		50	U[b]	--	
	MW-15B-082219	8/22/2019	µg/L	**2,340**		200	U	**3,060**		**1,440**		1	U	**139**		**33.5**		--	
	MW-15B-091919	9/19/2019	µg/L	**3,870**		**260**		**3,920**		**2,720**		100	U[b]	**188**		500	U[b]	--	
	MW-15B-110619	11/6/2019	µg/L	**135**		**9.77**		**105**		**101**		1	U	**8.82**		5	U	--	
	MW-15B-122019	12/20/2019	µg/L	**4,200**		**238**		**2,690**		**2,260**		10	U[b]	**212**		50	U[b]	--	
	MW-15B-021320	2/13/2020	µg/L	**4,680**		**212**		**1,830**		**2,080**		10	U[b]	**208**		**57.8**		--	
	MW-15B-031120	3/11/2020	µg/L	**4,380**		**211**		**1,620**		**2,080**		100	U[b]	**260**		500	U[b]	--	
	MW-15B-050620	5/6/2020	µg/L	**2,510**		**136**		**1,050**		**1,630**		20	U[b]	**167**		100	U[b]	--	
	MW-15B-072220	7/22/2020	µg/L	**4,130**		**201**		**1,270**		**2,090**		20	U[b]	**206**		100	U[b]	--	
MW-16	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-062917	6/29/2017	µg/L	**12,900**		**1,770**		**36,400**		**12,500**		500	U[b]	**1,740**		2,500	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/7/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-030718	3/7/2018	µg/L	**130**		**295**		**1,370**		**2,470**		10	U[b]	**132**		**618**		--	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-091318	9/13/2018	µg/L	**150**		**200**		**2,100**		**2,730**		1	U	**21.5**		**635**		--	
	MW-16-120618	12/6/2018	µg/L	**10.3**		**38.7**		**132**		**398**		5	U	5	U	**460**		--	
	MW-16-030719	3/7/2019	µg/L	**9.06**		**15.7**		**74.1**		**186**		1	U	**1.02**		**398**		--	
	MW-16-060419	6/4/2019	µg/L	**9.56**		**15.4**		**78.9**		**162**		**1.06**		1	U	**192**		--	
	MW-16-091819	9/18/2019	µg/L	**8.36**		**5.80**		**73.9**		**118**		1	U	1	U	**132**		--	
	MW-16-121819	12/18/2019	µg/L	1	U	**1.88**		**14.3**		**58.6**		1	U	1	U	**15.9**		--	
	MW-16-031320	3/13/2020	µg/L	1	U	1	U	**1.02**		3	U	1	U	1	U	5	U	--	
MW-17	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-17	--	3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/26/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/5/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/4/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/10/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/3/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-17-030519	3/5/2019	µg/L	**173**		**19.9**		**118**		**474**		1	U	**27.9**		5	U	--	
	MW-17-060519	6/5/2019	µg/L	**44.9**		5	U	**10.7**		**87.1**		5	U	**16.1**		25	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-17-031320	3/13/2020	µg/L	**1.23**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-17-070720	7/7/2020	µg/L	**2.21**		1	U	**1.44**		**5.46**		1	U	1	U	5	U	--	
MW-17B	MW-17B-030116	3/1/2016	µg/L	**6,480**		**488**		**11,900**		**2,870**		**5**		**742**		**104**		0.019	U
	MW-17B-120116	12/1/2016	µg/L	**9,370**		**761**		**16,900**		**4,500**		100	U[b]	**954**		**112**		--	
	MW-17B-031317	3/13/2017	µg/L	**7,350**		**770**		**14,100**		**4,510**		200	U[b]	**944**		1,000	U[b]	--	
	MW-17B-032017	3/20/2017	µg/L	**10,700**		**1,360**		**21,400**		**7,910**		**323**		**1,210**		1,000	U[b]	--	
	MW-17B-033117	3/31/2017	µg/L	**9,190**		**900**		**17,500**		**5,910**		100	U[b]	**1,200**		500	U[b]		
	MW-17B-040617	4/6/2017	µg/L	**7,780**		**833**		**14,900**		**5,330**		200	U[b]	**991**		1,000	U[b]	--	
	MW-17B-062817	6/28/2017	µg/L	**11,200**		**704**		**21,600**		**5,650**		200	U[b]	**1,150**		1,000	U[b]	--	
	MW-17B-090817	9/8/2017	µg/L	**11,400**		**1,240**		**23,900**		**8,460**		20	U[b]	**1,330**		**201**		--	
	MW-17B-120717	12/7/2017	µg/L	**10,600**		**1,060**		**14,900**		**9,210**		10	U[b]	**1,140**		**178**		--	
	MW-17B-030718	3/7/2018	µg/L	**8,830**		**1,110**		**20,200**		**8,220**		50	U[b]	**960**		250	U[b]	--	
	MW-17B-060718	6/7/2018	µg/L	**8,910**		**1,250**		**20,200**		**9,130**		20	U[b]	**1,230**		**206**		--	
	MW-17B-080218	8/2/2018	µg/L	**9,470**		**1,190**		**23,200**		**8,530**		200	U[b]	**863**		1,000	U[b]	--	
	MW-17B-091118	9/11/2018	µg/L	**8,180**		**1,370**		**20,200**		**9,660**		50	U[b]	**832**		250	U[b]	--	
	MW-17B-110218	11/2/2018	µg/L	**7,770**		**1,080**		**12,700**		**7,380**		20	U[b]	**841**		**113**		--	
	MW-17B-120518	12/5/2018	µg/L	**6,860**		**1,010**		**24,400**		**8,550**		50	U[b]	**690**		250	U[b]	--	
	MW-17B-021919	2/19/2019	µg/L	**7,810**		**1,140**		**20,200**		**8,330**		1	U	**410**		**181**		--	
	MW-17B-030519	3/5/2019	µg/L	**8,360**		**1,370**		**22,400**		**9,180**		50	U[b]	**308**		**261**		--	
	MW-17B-051419	5/14/2019	µg/L	**7,320**		**1,040**		**18,500**		**8,370**		25	U[b]	**256**		**201**		--	
	MW-17B-060519	6/5/2019	µg/L	**7,390**		**1,220**		**16,600**		**8,370**		200	U[b]	**312**		1,000	U[b]	--	
	MW-17B-082219	8/22/2019	µg/L	**7,700**		**1,570**		**17,600**		**9,110**		5	U	**335**		**201**		--	
	MW-17B-091919	9/19/2019	µg/L	**7,700**		**833**		**12,000**		**8,740**		10	U[b]	**665**		**195**		--	
	MW-17B-110719	11/7/2019	µg/L	**7,080**		**1,080**		**8,130**		**6,130**		500	U[b]	500	U[b]	2,500	U[b]	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-17B	MW-17B-121919	12/19/2019	µg/L	**6,960**		**981**		**7,590**		**5,170**		5	U	**582**		**184**		--	
	MW-17B-021220	2/12/2020	µg/L	**5,800**		**1,100**		**11,400**		**7,360**		100	U[b]	**372**		500	U[b]	--	
	MW-17B-031220	3/12/2020	µg/L	**6,600**		**1,230**		**12,800**		**8,550**		250	U[b]	**417**		1,250	U[b]	--	
	--	--	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-17B-072220	7/22/2020	µg/L	**8,180**		**1,750**		**22,800**		**11,200**		250	U[b]	250	U[b]	1,250	U[b]	--	
MW-18	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/26/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/5/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/11/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-18-030719	3/7/2019	µg/L	**2.47**		**8.16**		**60.4**		**141**		1	U	**13.5**		**72.7**		--	
	MW-18-060419	6/4/2019	µg/L	**1.46**		**2.92**		**20.9**		**42.0**		**2.36**		**13.6**		**87.5**		--	
	MW-18-091819	9/18/2019	µg/L	1	U	**1.30**		**10.7**		**37.4**		1	U	**15.4**		**48.7**		--	
	MW-18-121819	12/18/2019	µg/L	1	U	**1.61**		**6.60**		**17.8**		**1.42**		**3.93**		**9.59**		--	
	MW-18-031320	3/13/2020	µg/L	1	U	1	U	**1.15**		**14.7**		1	U	**7.16**		**6.21**	**J**	--	
	MW-18-070720	7/7/2020	µg/L	1	U	1	U	**1.85**		**8.84**		1	U	**8.53**		**29.8**		--	
MW-19	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-19-012116	1/21/2016	µg/L	**22.8**		**18.5**		**256**		**437**		1	U	1	U	**10.7**		0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
		3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-19-040617	4/6/2017	µg/L	**9,810**		**1,030**		**25,000**		**10,300**		250	U[b]	250	U[b]	1,250	U[b]	--	
	MW-19-062917	6/29/2017	µg/L	**9,410**		**683**		**27,200**		**9,580**		200	U[b]	**320**		1,000	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/5/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-19-060618	6/6/2018	µg/L	**8.15**		**149**		**385**		**1,260**		**1.53**		1	U	250	U[b]	--	
	MW-19-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-19-091318	9/13/2018	µg/L	**3.31**		**3.53**		**16.0**		**96.5**		1	U	1	U	**6.55**		--	
	MW-19-120518	12/5/2018	µg/L	5	U	**8.23**		**13.7**		**217**		5	U	5	U	25	U	--	
	MW-19-030519	3/5/2019	µg/L	5	U	**33.1**		**19.4**		**756**		5	U	5	U	**294**		--	

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Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB			
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**			
MW-19	MW-19-060519	6/5/2019	µg/L	5	U	5	U	5	U	**30.4**		5	U	5	U	25	U	--			
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	MW-19-121719	12/17/2019	µg/L	1	U	**1.23**		**6.08**		**56.1**		1	U	1	U	**13.1**		--			
	MW-19-031220	3/12/2020	µg/L	1	U	1	U	1	U	**35.1**		1	U	1	U	**68.4**		--			
	MW-19-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
MW-20	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	3/13/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	3/20/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	3/31/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	4/6/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	5/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	6/26/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	7/17/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	8/1/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	10/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	11/8/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	1/8/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	2/6/2018	µg/L	NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL			
	--	3/6/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	4/6/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	5/3/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	MW-20-071218	7/12/2018	µg/L	**5,740**		**1,350**		**18,100**		**14,500**		100	U[b]	**351**		500	U[b]	--			
	--	9/10/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS			
	MW-20-021919	2/19/2019	µg/L	**6,650**		**1,080**		**13,900**		**11,700**		5	U	**128**		**341**		--			
	MW-20-030519	3/5/2019	µg/L	**9,480**		**1,320**		**19,200**		**10,800**		100	U[b]	**187**		500	U[b]	--			
	MW-20-051519	5/15/2019	µg/L	**4,180**		**758**		**8,970**		**7,620**		100	U[b]	**105**		**636**		--			
	MW-20-060519	6/5/2019	µg/L	**11,200**		**1,460**		**22,800**		**10,200**		50	U[b]	**174**		**437**		--			
	MW-20-082019	8/20/2019	µg/L	**7,920**		**1,160**		**15,900**		**10,300**		100	U[b]	**238**		500	U[b]	--			
	--	9/16/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	--	11/4/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP			
	MW-20-121719	12/17/2019	µg/L	**9,710**		**1,600**		**28,500**		**10,000**		100	U[b]	100	U[b]	500	U[b]	--			

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				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-20	MW-20-021220	2/12/2020	µg/L	7,420		1,410		24,200		8,710		200	U[b]	200	U[b]	1000	U[b]	--	
	MW-20-031220	3/12/2020	µg/L	6,790		1,360		20,100		9,680		250	U[b]	250	U[b]	1250	U[b]	--	
	MW-20-070920	7/9/2020	µg/L	8,310		1,770		25,900		10,700		250	U[b]	250	U[b]	1250	U[b]	--	
MW-21	MW-21-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-21-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-21-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-21-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-032117	3/21/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**2.77**		5	U	--	
	MW-21-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.20**		5	U	--	
MW-22	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-012116	1/21/2016	µg/L	**19.8**		**3.40**		**47.2**		**37.4**		1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-062917	6/29/2017	µg/L	**234**		10	U	**125**		30	U	10	U[b]	10	U	50	U[b]	--	
	--	7/17/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/1/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-030618	3/6/2018	µg/L	1	U	1	U	**1.03**		3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-22	MW-22-040618	4/6/2018	µg/L	1	U	1	U	**1.76**		**46.6**		1	U	1	U	5	U	--	
	MW-22-050318	5/3/2018	µg/L	**1.43**		**1.79**		**33.1**		**426**		1	U	1	U	1	U	--	
	MW-22-060518	6/5/2018	µg/L	1	U	1	U	**4.27**		**41.6**		1	U	1	U	5	U	--	
	MW-22-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-23	MW-23-072715	7/27/2015	µg/L	5	U[b]	5	U	**7.50**		10	U	5	U[b]	5	U	5	U	0.02	U
	MW-23-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-23-120216	12/2/2016	µg/L	**450**		5	U	**14.6**		**336**		5	U[b]	**46.4**		**5.90**		--	
	MW-23-031317	3/13/2017	µg/L	**709**		5	U	**23.1**		**548**		5	U[b]	**127**		25	U[b]	--	
	MW-23-032017	3/20/2017	µg/L	**642**		10	U	**12.7**		**579**		10	U[b]	**108**		50	U[b]	--	
	MW-23-033117	3/31/2017	µg/L	**685**		10	U	**16.5**		**624**		10	U[b]	**130**		50	U[b]	--	
	MW-23-040617	4/6/2017	µg/L	**432**		1	U	**6.61**		**254**		1	U	**76.5**		5	U	--	
	MW-23-062817	6/28/2017	µg/L	**131**		10	U	10	U	**117**		10	U[b]	**19.1**		5	U	--	
	MW-23-071717	7/17/2017	µg/L	**1.20**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23-080117	8/1/2017	µg/L	**132**		1	U	**6.18**		**252**		1	U	**48.1**		5	U	--	
	MW-23-090717	9/7/2017	µg/L	**1,110**		**9.25**		**43.1**		**999**		5	U[b]	**141**		25	U[b]	--	
	MW-23-100417	10/4/2017	µg/L	**703**		10	U	**17.5**		**515**		10	U[b]	**90.1**		50	U[b]	--	
	MW-23-110817	11/8/2017	µg/L	**788**		10	U	**21.5**		**580**		10	U[b]	**118**		50	U[b]	--	
	MW-23-120617	12/6/2017	µg/L	**693**		10	U	**17.0**		**408**		10	U[b]	**99.5**		50	U[b]	--	
	MW-23-010918	1/9/2018	µg/L	**127**		10	U	10	U	**137**		10	U[b]	**69.6**		50	U[b]	--	
	MW-23-020618	2/6/2018	µg/L	**1.10**		1	U	1	U	3	U	1	U	**33.8**		5	U	--	
	MW-23-030618	3/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**17.5**		5	U	--	
	MW-23-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**32.0**		5	U	--	
	MW-23-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**19.1**		5	U	--	
	MW-23-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**5.28**		5	U	--	
	MW-23-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**7.05**		5	U	--	
	MW-23-080218	8/2/2018	µg/L	**17.9**		1	U	1	U	**10.4**		1	U	**5.01**		5	U	--	
	MW-23-091118	9/11/2018	µg/L	**2.30**		1	U	1	U	3	U	1	U	**11.0**		5	U	--	
	MW-23-110218	11/2/2018	µg/L	**11.1**		1	U	**2.48**		**4.85**		1	U	**8.35**		5	U	--	
	MW-23-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.08**		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-23	MW-23-022019	2/20/2019	µg/L	**5.34**		1	U	**2.16**		3	U	1	U	**7.24**		5	U	--	
	MW-23-030519	3/5/2019	µg/L	**87.7**		**1.16**		**1.35**		**46.2**		1	U	**16.5**		5	U	--	
	MW-23-051419	5/14/2019	µg/L	**412**		**5.37**		**20.7**		**190**		1	U	**28.0**		**10.9**		--	
	MW-23-060519	6/5/2019	µg/L	**520**		5	U	**5.77**		**211**		5	U	**27.7**		25	U	--	
	MW-23-082119	8/21/2019	µg/L	**1,860**		**82.8**		**507**		**1,190**		10	U[b]	**88.7**		50	U[b]	--	
	MW-23-091919	9/19/2019	µg/L	**2,950**		**192**		**1,060**		**2,210**		5	U	**99.9**		**38.4**		--	
	MW-23-110719	11/7/2019	µg/L	**1,200**		20	U	**94.1**		**481**		20	U[b]	**41.7**		100	U[b]	--	
	MW-23-122019	12/20/2019	µg/L	**575**		**10.1**		**12.0**		**279**		1	U	**41.8**		**11.0**		--	
	MW-23-021220	2/12/2020	µg/L	**408**		20	U	20	U	**150**		20	U[b]	**36.3**		100	U[b]	--	
	MW-23-031120	3/11/2020	µg/L	**349**		20	U	20	U	**153**		20	U[b]	**41.0**		100	U[b]	--	
	MW-23-050620	5/6/2020	µg/L	**1,660**		**119**		**1,220**		**1430**		20	U[b]	**25.0**		100	U[b]	--	
	MW-23-070920	7/9/2020	µg/L	**3,490**		**239**		**3,780**		**2240**		20	U[b]	**56.9**		100	U[b]	--	
MW-23B	MW-23B-080515	8/5/2015	µg/L	5	U[b]	5	U	**7.00**		10	U	5	U[b]	5	U	5	U	0.02	U
	MW-23B-012016	1/20/2016	µg/L	1	U	1	U	**3.90**		**7.10**		1	U	1	U	1	U	0.02	U
	MW-23B-120216	12/2/2016	µg/L	1	U	**1.40**		**3.50**		**11.0**		1	U	1	U	**1.30**		--	
	MW-23B-031317	3/13/2017	µg/L	1	U	**1.11**		**2.63**		**8.86**		1	U	1	U	5	U	--	
	MW-23B-032017	3/20/2017	µg/L	1	U	**1.55**		**2.98**		**11.7**		1	U	1	U	5	U	--	
	MW-23B-033117	3/31/2017	µg/L	1	U	**1.24**		**2.41**		**8.86**		1	U	1	U	5	U	--	
	MW-23B-040617	4/6/2017	µg/L	1	U	**1.21**		**2.41**		**9.23**		1	U	1	U	5	U	--	
	MW-23B-062817	6/28/2017	µg/L	1	U	1	U	**1.73**		**6.20**		1	U	1	U	5	U	--	
	MW-23B-090717	9/7/2017	µg/L	1	U	1	U	**1.65**		**5.40**		1	U	1	U	5	U	--	
	MW-23B-120617	12/6/2017	µg/L	1	U	**1.20**		**2.48**		**7.93**		1	U	1	U	5	U	--	
	MW-23B-030618	3/6/2018	µg/L	1	U	**1.20**		**4.57**		**9.14**		1	U	1	U	5	U	--	
	MW-23B-060518	6/5/2018	µg/L	1	U	1	U	**1.08**		**4.21**		1	U	1	U	5	U	--	
	MW-23B-091118	9/11/2018	µg/L	1	U	1	U	**1.24**		3	U	1	U	1	U	5	U	--	
	MW-23B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24	MW-24-080515	8/5/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-24-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-24-120716	12/7/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-24-062817	6/28/2017	µg/L	**28.8**		**3.96**		**1.70**		**22.2**		1	U	1	U	5	U	--	
	MW-24-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-24	MW-24-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24B	MW-24B-080515	8/5/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-24B-012616	1/26/2016	µg/L	1	U	1	U	**3.30**		**6.80**		1	U	1	U	1	U	0.019	U
	MW-24B-120716	12/7/2016	µg/L	1	U	1	U	**2.90**		**1.60**		1	U	1	U	1	U	--	
	MW-24B-062817	6/28/2017	µg/L	**28.9**		**3.89**		**1.77**		**20.7**		1	U	1	U	5	U	--	
	MW-24B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25	MW-25-012716	1/27/2016	µg/L	**101**		1	U	1	U	**115**		1	U	1	U	**1.80**		0.02	U
	MW-25-012716	12/1/2016	µg/L	**675**		**30.2**		**15.3**		**619**		5	U[b]	**5.90**		**29.7**		--	
	MW-25-031417	3/14/2017	µg/L	**627**		**28.6**		**10.1**		**668**		10	U[b]	10	U	50	U[b]	--	
	MW-25-032017	3/20/2017	µg/L	**604**		**20.4**		20	U	**680**		20	U[b]	20	U	100	U[b]	--	
	MW-25-033117	3/31/2017	µg/L	**673**		**30.1**		**12.0**		**736**		10	U[b]	10	U	50	U[b]	--	
	MW-25-040617	4/6/2017	µg/L	**558**		**24.3**		10	U	**682**		10	U[b]	10	U	50	U[b]	--	
	MW-25-050317	5/3/2017	µg/L	**519**		**49.3**		**10.1**		**614**		1	U	1	U	**43.2**		--	
	MW-25-062817	6/28/2017	µg/L	**431**		**34.8**		10	U	**520**		10	U[b]	10	U	50	U[b]	--	
	MW-25-071717	7/17/2017	µg/L	**230**		**13.4**		10	U	**264**		10	U[b]	10	U	50	U[b]	--	
	MW-25-080117	8/1/2017	µg/L	**234**		**14.4**		10	U	**277**		10	U[b]	10	U	50	U[b]	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-25	MW-25-090817	9/8/2017	µg/L	**200**		**12.2**		**1.27**		**214**		1	U	1	U	**10.6**		--	
	MW-25-100417	10/4/2017	µg/L	**173**		**16.2**		**1.73**		**276**		1	U	**1.10**		**6.77**		--	
	MW-25-110817	11/8/2017	µg/L	**82.9**		**7.21**		1	U	**143**		1	U	1	U	**7.74**		--	
	MW-25-120617	12/6/2017	µg/L	**23.8**		**1.84**		1	U	**60.5**		1	U	1	U	5	U	--	
	MW-25-010918	1/9/2018	µg/L	**72.0**		**2.74**		1	U	**111**		1	U	1	U	5	U	--	
	MW-25-020618	2/6/2018	µg/L	**10.8**		1	U	1	U	**19.3**		1	U	1	U	5	U	--	
	MW-25-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25B	MW-25B-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-25B-120116	12/1/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-25B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-25B	MW-25B-031020	3/10/2020	µg/L	**1.12**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-070820	7/8/2020	µg/L	**1.38**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26	MW-26-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-26-120116	12/1/2016	µg/L	1	U	1	U	**2.30**		1	U	1	U	1	U	1	U	--	
	MW-26-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-110817	11/8/2017	µg/L	1	U	1	U	**1.17**		3	U	1	U	1	U	5	U	--	
	MW-26-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-010918	1/9/2018	µg/L	1	U	**1.79**		**6.20**		**13.8**		1	U	1	U	5	U	--	
	MW-26-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-030618	3/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-021220	2/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-26B	MW-26B-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-26B-120116	12/1/2016	µg/L	1	U	1	U	1	U	**1.30**		1	U	1	U	1	U	--	
	MW-26B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-030618	3/6/2018	µg/L	1	U	1	U	**1.03**		3	U	1	U	1	U	5	U	--	
	MW-26B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27	MW-27-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-27-062817	6/28/2017	µg/L	**2.69**		**4.06**		**3.88**		**35.9**		1	U	1	U	5	U	--	
	MW-27-090817	9/8/2017	µg/L	**4.96**		**5.75**		**2.13**		**14.8**		1	U	1	U	5	U	--	
	MW-27-120517	12/5/2017	µg/L	**6.48**		**8.23**		**12.5**		**20.5**		1	U	1	U	5	U	--	
	MW-27-030818	3/8/2018	µg/L	**14.5**		**29.7**		**62.3**		**227**		1	U	1	U	5	U	--	
	MW-27-060518	6/5/2018	µg/L	**5.74**		**7.74**		**22.6**		**70.3**		1	U	1	U	5	U	--	
	MW-27-091118	9/11/2018	µg/L	**2.06**		**2.94**		**7.44**		**25.6**		1	U	1	U	5	U	--	
	MW-27-120518	12/5/2018	µg/L	**2.96**		**9.03**		**23.1**		**50.3**		1	U	1	U	5	U	--	
	MW-27-030519	3/5/2019	µg/L	1	U	1	U	**4.05**		**9.95**		1	U	1	U	5	U	--	
	MW-27-060519	6/5/2019	µg/L	**1.33**		1	U	**5.04**		**11.0**		1	U	1	U	5	U	--	
	MW-27-091919	9/19/2019	µg/L	**1.04**		1	U	**1.09**		**5.00**		1	U	1	U	5	U	--	
	MW-27-121819	12/18/2019	µg/L	**1.09**		1	U	1	U	**5.19**		1	U	1	U	5	U	--	
	MW-27-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-27-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27B	MW-27B-051216	5/12/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-27B-120216	12/2/2016	µg/L	1	U	**5.30**		**9.1**		**45.7**		1	U	1	U	**8.90**		--	
	MW-27B-062817	6/28/2017	µg/L	1	U	**4.04**		**4.04**		**32.7**		1	U	1	U	**6.09**		--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-27B	MW-27B-090717	9/7/2017	µg/L	1	U	**3.73**		**6.35**		**30.3**		1	U	1	U	**7.54**		--	
	MW-27B-120517	12/5/2017	µg/L	1	U	**3.10**		**5.91**		**24.8**		1	U	1	U	**5.81**		--	
	MW-27B-030818	3/8/2018	µg/L	1	U	**3.44**		**6.82**		**28.8**		1	U	1	U	5	U	--	
	MW-27B-060518	6/5/2018	µg/L	1	U	**3.38**		**6.18**		**26.8**		1	U	1	U	**5.10**		--	
	MW-27B-091118	9/11/2018	µg/L	1	U	**2.98**		**5.65**		**25.0**		1	U	1	U	5	U	--	
	MW-27B-120518	12/5/2018	µg/L	1	U	**2.47**		**4.97**		**21.1**		1	U	1	U	5	U	--	
	MW-27B-030519	3/5/2019	µg/L	1	U	**2.40**		**4.76**		**20.0**		1	U	1	U	5	U	--	
	MW-27B-060519	6/5/2019	µg/L	1	U	**1.85**		**3.59**		**14.7**		1	U	1	U	5	U	--	
	MW-27B-091919	9/19/2019	µg/L	1	U	**2.05**		**3.87**		**16.2**		1	U	1	U	5	U	--	
	MW-27B-121719	12/17/2019	µg/L	1	U	**2.35**		**4.27**		**18.4**		1	U	1	U	5	U	--	
	MW-27B-031220	3/12/2020	µg/L	1	U	**1.67**		**3.03**		**13.1**		1	U	1	U	5	U	--	
	MW-27B-070820	7/8/2020	µg/L	1	U	**1.43**		**2.48**		**9.72**		1	U	1	U	5	U	--	
MW-28	MW-28-012716	1/27/2016	µg/L	**542**		**430**		**3,850**		**3,370**		1	U	**4.80**		**96.3**		0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-031517	3/15/2017	µg/L	**1,120**		**68.9**		**3,350**		**1,370**		50	U[b]	50	U[b]	250	U	--	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-050317	5/3/2017	µg/L	**65.9**		**14.5**		**263**		**1,010**		1	U	**2.94**		**9.33**		--	
	MW-28-062817	6/28/2017	µg/L	**199**		**55.0**		**108**		**546**		1	U	1	U	**10.1**		--	
	MW-28-071717	7/17/2017	µg/L	**219**		**64.2**		**85.8**		**422**		1	U	1	U	**14.7**		--	
	MW-28-080217	8/2/2017	µg/L	**219**		**48.7**		**52.7**		**187**		1	U	**3.46**		**11.9**		--	
	MW-28-090817	9/8/2017	µg/L	**130**		**16.2**		**175**		**388**		1	U	**4.77**		**13.6**		--	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-030818	3/8/2018	µg/L	**10.1**		**9.92**		**5.27**		**21.2**		1	U	1	U	5	U	--	
	MW-28-040618	4/6/2018	µg/L	**16.1**		**11.6**		**4.00**		**23.4**		1	U	1	U	5	U	--	
	MW-28-050318	5/3/2018	µg/L	**8.25**		**8.82**		**1.55**		**24.5**		1	U	1	U	5	U	--	
	MW-28-060518	6/5/2018	µg/L	**3.81**		**3.77**		**1.01**		**16.0**		1	U	1	U	5	U	--	
	MW-28-071218	7/12/2018	µg/L	**3.91**		**5.19**		**1.05**		**8.82**		1	U	1	U	5	U	--	
	MW-28-091118	9/11/2018	µg/L	**28.0**		**25.2**		**3.66**		**4.89**		1	U	1	U	5	U	--	
	MW-28-120518	12/5/2018	µg/L	**13.7**		**8.04**		**1.47**		3	U	1	U	1	U	5	U	--	
	MW-28-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-28	MW-28-091719	9/17/2019	µg/L	**1.68**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-121919	12/19/2019	µg/L	**23.7**		**18.3**		**2.79**		**4.33**		1	U	1	U	5	U	--	
	MW-28-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-29	MW-29-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-29-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-29-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	**5.11**		--	
	MW-29-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-30	MW-30-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-050417	5/4/2017	µg/L	**104**		**3.98**		**341**		**161**		1	U	1	U	5	U	--	
	MW-30-062917	6/29/2017	µg/L	**646**		25	U	**1,630**		**736**		25	U[b]	25	U	125	U[b]	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-30	MW-30-071717	7/17/2017	µg/L	**922**		25	U	**2,050**		**1,320**		25	U[b]	25	U	125	U[b]	--	
	MW-30-080217	8/2/2017	µg/L	**1,240**		**25.9**		**1,020**		**2,230**		25	U[b]	25	U	125	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-020518	2/5/2018	µg/L	**2.20**		1	U	**1.86**		**4.10**		1	U	1	U	5	U	--	
	MW-30-030718	3/7/2018	µg/L	**22.1**		1	U	**8.94**		**19.1**		1	U	**2.25**		5	U	--	
	MW-30-040618	4/6/2018	µg/L	**1.90**		1	U	**7.38**		**5.95**		1	U	**2.22**		5	U	--	
	MW-30-050318	5/3/2018	µg/L	**1.19**		1	U	**3.70**		3	U	1	U	**2.29**		5	U	--	
	MW-30-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.58**		5	U	--	
	MW-30-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.79**		5	U	--	
	--	9/11/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-120718	12/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.94**		**9.22**		--	
	MW-30-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-30-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-31	MW-31-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-31-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-31-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-31	MW-31-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-31B	MW-31B-051116	5/11/2016	µg/L	1	U	1	U	**2.70**		1	U	1	U	1	U	1	U	0.02	U
MW-32	MW-32-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-32-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-32-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-33	MW-33-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
MW-33T	MW-33T-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-33T-120617	12/6/2017	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-33T-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-34	MW-34-031517	3/15/2017	--	978		33.0		143		218		10	U[b]	157		50	U[b]	--	
	MW-34-032017	3/20/2017	µg/L	801		10.0	U	113		305		10	U[b]	149		50	U[b]	--	
	MW-34-033117	3/31/2017	µg/L	728		10.0	U	81.4		224		10	U[b]	152		50	U[b]	--	
	MW-34-040617	4/6/2017	µg/L	860		1.70		58.6		181		1	U	123		5	U	--	
	MW-34-050317	5/3/2017	µg/L	287		2.62		27.2		130		1	U	124		5	U	--	
	MW-34-062817	6/28/2017	µg/L	167		4.59		9.30		39.2		1	U	68.3		5	U	--	
	MW-34-071717	7/17/2017	µg/L	137		5.83		19.8		69.5		1	U	73.8		5	U	--	
	MW-34-080117	8/1/2017	µg/L	517		10	U	31.7		110		10	U[b]	98.3		50	U[b]	--	
	MW-34-090817	9/8/2017	µg/L	1,430		6.01		98.0		264		1	U	191		7.33		--	
	MW-34-100417	10/4/2017	µg/L	919		10	U	36.8		157		10	U[b]	151		50	U[b]	--	
	MW-34-110817	11/8/2017	µg/L	338		10	U	15.3		140		10	U[b]	266		50	U[b]	--	
	MW-34-120617	12/6/2017	µg/L	169		10	U	29.7		69.9		10	U[b]	218		50	U[b]	--	
	MW-34-010918	1/9/2018	µg/L	147		10	U	13.1		79.8		10	U[b]	246		50	U[b]	--	
	MW-34-020618	2/6/2018	µg/L	249		10	U	19.2		88.3		10	U[b]	191		50	U[b]	--	
	MW-34-030818	3/8/2018	µg/L	696		7.35		51.6		180		1	U	229		5.84		--	
	MW-34-040618	4/6/2018	µg/L	619		2.22		31.9		150		1	U	281		7.77		--	
	MW-34-050318	5/3/2018	µg/L	342		10	U	18.1		99.7		10	U[b]	278		50	U[b]	--	
	MW-34-060518	6/5/2018	µg/L	63.1		1	U	3.28		19.2		1	U	247		5	U	--	
	MW-34-071218	7/12/2018	µg/L	186		2.41		9.34		33.7		1	U	153		5	U	--	
	MW-34-080218	8/2/2018	µg/L	414		5.27		32.6		53.6		1	U	147		5	U	--	
	MW-34-091218	9/12/2018	µg/L	21.8		1	U	1	U	3	U	1	U	209		5	U	--	
	MW-34-110218	11/2/2018	µg/L	75.1		1	U	1.53		8.16		1	U	302		5	U	--	
	MW-34-120618	12/6/2018	µg/L	1	U	1	U	1	U	6.63		1	U	271		5	U	--	
	MW-34-022019	2/20/2019	µg/L	124		1.13		3.82		15	U	1	U	303		5	U	--	
	MW-34-030619	3/6/2019	µg/L	42.4		1	U	1	U	5.32		1	U	242		5	U	--	
	MW-34-051519	5/15/2019	µg/L	162		2.18		2.63		14.9		1	U	163		5	U	--	
	MW-34-060519	6/5/2019	µg/L	36.6		5	U	5	U	15	U	5	U	148		25	U	--	
	MW-34-082219	8/22/2019	µg/L	102		5	U	5	U	15	U	1	U	207		5.05		--	
	MW-34-091919	9/19/2019	µg/L	12.9		1	U	1	U	3	U	1	U	109		5	U	--	
	MW-34-110619	11/6/2019	µg/L	85.5		1.44		1	U	13.9		1	U	169		5	U	--	
	MW-34-122019	12/20/2019	µg/L	157		1.73		1	U	21.0		1	U	173		5	U	--	
	MW-34-021120	2/11/2020	µg/L	5.41		1	U	1	U	3	U	1	U	157		5	U	--	
	MW-34-031020	3/10/2020	µg/L	1.54		1	U	1	U	3.06		1	U	167		5	U	--	
MW-35	MW-35-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-35-120116	12/1/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-35-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-35	MW-35-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-060519	6/5/2019	µg/L	1	U	1	U	**4.52**		3	U	1	U	1	U	5	U	--	
	MW-35-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-36	MW-36-051116	5/11/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-36-112916	11/29/2016	µg/L	**1.30**		1	U	**6.50**		**1.10**		1	U	1	U	1	U	--	
	MW-36-062917	6/29/2017	µg/L	**2.11**		1	U	**2.28**		3	U	1	U	1	U	5	U	--	
	MW-36-090817	9/8/2017	µg/L	**4.75**		1	U	**6.16**		**4.62**		1	U	1	U	5	U	--	
	MW-36-120717	12/7/2017	µg/L	**17.5**		1	U	**30.2**		**14.4**		1	U	1	U	5	U	--	
	MW-36-030718	3/7/2018	µg/L	**44.2**		10	U	**75.2**		**38.4**		10	U[b]	10	U	50	U[b]	--	
	MW-36-060718	6/7/2018	µg/L	**184**		1	U	**208**		**134**		1	U	**2.06**		5	U	--	
	MW-36-091318	9/13/2018	µg/L	**238**		1	U	**326**		**238**		1	U	1	U	5	U	--	
	MW-36-120618	12/6/2018	µg/L	**146**		1	U	**181**		**142**		1	U	1	U	5	U	--	
	MW-36-021919	2/19/2019	µg/L	**708**		1	U	**186**		**152**		1	U	1	U	5	U	--	
	MW-36-030719	3/7/2019	µg/L	**223**		1	U	**210**		**161**		1	U	**2.67**		5	U	--	
	MW-36-051519	5/15/2019	µg/L	**1,160**		5	U	**78.4**		**482**		5	U	**292**		**228**		--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-36	MW-36-060419	6/4/2019	µg/L	**1,100**		1	U	**48.1**		**428**		1	U	1	U	5	U	--	
	MW-36-081919	8/19/2019	µg/L	**484**		20	U	**27.5**		**197**		20	U[b]	20	U	100	U[b]	--	
	MW-36-091919	9/19/2019	µg/L	**360**		10	U	**46.0**		**188**		10	U[b]	10	U	50	U[b]	--	
	MW-36-110419	11/4/2019	µg/L	**172**		5	U	**39.7**		**78.7**		5	U	5	U	25	U	--	
	MW-36-121819	12/18/2019	µg/L	**185**		1	U	**66.2**		**78.2**		1	U	1	U	5	U	--	
	MW-36-021820	2/18/2020	µg/L	**300**		1	U	**200**		**240**		1	U	1	U	50	U[b]	--	
	MW-36-031320	3/13/2020	µg/L	**282**		1	U	**229**		**211**		1	U	1	U	5	U[b]	--	
	MW-36-050620	5/6/2020	µg/L	**1.72**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36-070920	7/9/2020	µg/L	**4.87**		1	U	**3.81**		**4.57**		1	U	**1.81**		5	U	--	
MW-36B	MW-36B-051116	5/11/2016	µg/L	1	U	1	U	**7.20**		1	U	1	U	1	U	1	U	0.02	U
	MW-36B-112916	11/29/2016	µg/L	1	U	1	U	**1.60**		1	U	1	U	1	U	1	U	--	
	MW-36B-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	7W-36B-060618	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-031320	3/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-37	MW-37-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-37-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**1.44**		5	U	--	
	MW-37-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**1.50**		5	U	--	
	MW-37-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**2.93**		5	U	--	
	MW-37-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**3.71**		5	U	--	
	MW-37-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**5.06**		5	U	--	
	MW-37-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**4.30**		5	U	--	
	MW-37-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-071819	7/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-37	MW-37-082019	8/20/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-110519	11/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-121919	12/19/2019	µg/L	1	U	1	U	**3.03**		3	U	1	U	**1.66**		5	U	--	
	MW-37-021120	2/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**2.89**		5	U	--	
	MW-37-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**2.85**		5	U	--	
	MW-37-050420	5/4/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.17**		5	U	--	
	MW-37-072220	7/22/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-38	MW-38-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	**5.50**		1	U	--	
	MW-38-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.14**		5	U	--	
	MW-38-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.55**		5	U	--	
	MW-38-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**10.2**		5	U	--	
	MW-38-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.06**		5	U	--	
	MW-38-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.08**		5	U	--	
	MW-38-062817	6/28/2017	µg/L	**9.71**		**1.17**		1	U	**6.63**		1	U	1	U	5	U	--	
	MW-38-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.59**		5	U	--	
	MW-38-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.25**		5	U	--	
	MW-38-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**12.9**		5	U	--	
	MW-38-100417	10/4/2017	µg/L	**1.75**		1	U	1	U	3	U	1	U	**11.2**		5	U	--	
	MW-38-110817	11/8/2017	µg/L	**4.48**		1	U	1	U	**12.4**		1	U	**29.2**		5	U	--	
	MW-38-120617	12/6/2017	µg/L	**102**		1	U	1	U	**86.1**		1	U	**38.0**		5	U	--	
	MW-38-010918	1/9/2018	µg/L	**311**		1	U	**2.31**		**158**		1	U	**49.4**		5	U	--	
	MW-38-020618	2/6/2018	µg/L	**389**		5	U	5	U	**208**		5	U	**48.8**		25	U	--	
	MW-38-030818	3/8/2018	µg/L	**364**		5	U	5	U	**202**		5	U	**54.8**		25	U	--	
	MW-38-040618	4/6/2018	µg/L	**347**		1	U	**2.95**		**221**		1	U	**68.8**		**10.4**		--	
	MW-38-050318	5/3/2018	µg/L	**378**		10	U	10	U	**212**		10	U[b]	**62.1**		50	U[b]	--	
	MW-38-060518	6/5/2018	µg/L	**373**		1	U	**2.49**		**222**		1	U	**75.5**		**9**		--	
	MW-38-071218	7/12/2018	µg/L	**268**		1	U	**1.27**		**138**		1	U	**52.5**		**7.26**		--	
	MW-38-091218	9/12/2018	µg/L	**157**		1	U	**1.19**		**66.5**		1	U	**38.8**		5	U	--	
	MW-38-120618	12/6/2018	µg/L	**412**		1	U	**1.90**		**236**		1	U	**89.7**		**13.7**		--	
	MW-38-021919	2/19/2019	µg/L	**887**		1	U	10	U	**331**		1	U	**87.1**		**14.3**		--	
	MW-38-030619	3/6/2019	µg/L	**849**		1	U	**2.55**		**278**		1	U	**96.7**		**18.0**		--	
	MW-38-051519	5/15/2019	µg/L	**614**		1	U	**1.42**		**178**		1	U	**95.6**		**10.1**		--	
	MW-38-060519	6/5/2019	µg/L	**950**		100	U	100	U	300	U	100	U[b]	**118**		500	U[b]	--	
	MW-38-071819	7/18/2019	µg/L	**1,260**		1	U	**3.27**		**308**		1	U	**104**		**16.2**		--	
	MW-38-082019	8/20/2019	µg/L	**1,030**		10	U	10	U	**279**		10	U[b]	**116**		50	U[b]	--	
	MW-38-091719	9/17/2019	µg/L	**40.2**		10	U	10	U	30	U	10	U[b]	**88.2**		50	U[b]	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-38	MW-38-110519	11/5/2019	µg/L	7.33		1	U	1	U	7.01		1	U	64.4		5	U	--	
	MW-38-121919	12/19/2019	µg/L	2.19		1	U	1.52		5.85		1	U	80.0		5	U	--	
	MW-38-021120	2/11/2020	µg/L	114		1	U	1	U	66.3		1	U	123		5	U	--	
	MW-38-031020	3/10/2020	µg/L	411		1.37		2.68		172		1	U	144		5	U	--	
	MW-38-050420	5/4/2020	µg/L	858		10	U	10	U	178		10	U[b]	128		50	U[b]	--	
	MW-38-072220	7/22/2020	µg/L	3610		20	U	20	U	620		20	U[b]	302		100	U[b]	--	
MW-38B	MW-38B -050420	5/4/2020	µg/L	1030		2.20		5.88		249		1	U	122		11.3		--	
	MW-38B-070820	7/8/2020	µg/L	2580		20	U	20	U	355		20	U[b]	181		100	U[b]	--	
MW-39	MW-39-120716	12/7/2016	µg/L	6,320		682		1,290		3,650		50	U[b]	311		86		--	
	MW-39-031417	3/14/2017	µg/L	6,370		431		2,200		3,700		10	U[b]	199		117		--	
	MW-39-032017	3/20/2017	µg/L	7,340		704		2,990		4,050		100	U[b]	248		500	U[b]	--	
	MW-39-033117	3/31/2017	µg/L	7,540		899		3,140		4,400		50	U[b]	272		250	U[b]	--	
	MW-39-040617	4/6/2017	µg/L	6,180		754		3,280		3,860		50	U[b]	257		250	U[b]	--	
	MW-39-062817	6/28/2017	µg/L	5,470		58		3,360		3,900		20	U[b]	239		100	U[b]	--	
	MW-39-071717	7/17/2017	µg/L	4,690		100	U	3,760		4,580		100	U[b]	344		500	U[b]	--	
	MW-39-080117	8/1/2017	µg/L	4,630		100	U	2,880		4,740		100	U[b]	348		500	U[b]	--	
	MW-39-090817	9/8/2017	µg/L	3,380		10.7		1,040		2,740		1	U	376		15.6		--	
	MW-39-100417	10/4/2017	µg/L	1,560		50	U	365		1,350		50	U[b]	305		250	U[b]	--	
	MW-39-110817	11/8/2017	µg/L	878		50	U	123		368		50	U[b]	442		250	U[b]	--	
	MW-39-120617	12/6/2017	µg/L	345		50	U	69		150		50	U[b]	355		250	U[b]	--	
	MW-39-010918	1/9/2018	µg/L	23.8		5	U	5	U	15	U	5	U	370		25	U	--	
	MW-39-020618	2/6/2018	µg/L	46.9		5	U	5	U	15	U	5	U	263		25	U	--	
	MW-39-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	304		5	U	--	
	MW-39-040618	4/6/2018	µg/L	1.00		1	U	1	U	3	U	1	U	297		5	U	--	
	MW-39-050318	5/3/2018	µg/L	10	U	10	U	10	U	30	U	10	U[b]	287		50	U[b]	--	
	MW-39-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	322		5	U	--	
	MW-39-071218	7/12/2018	µg/L	1.00		1	U	1	U	3	U	1	U	244		5	U	--	
	MW-39-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	176		5	U	--	
	MW-39-120618	12/6/2018	µg/L	30.6		1	U	7.49		29.3		1	U	156		5	U	--	
	MW-39-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	53.8		5	U	--	
	MW-39-030619	3/6/2019	µg/L	1.91		1	U	1.01		3	U	1	U	61.0		5	U	--	
	MW-39-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	89.4		5	U	--	
	MW-39-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	156		5	U	--	
	MW-39-081919	8/19/2019	µg/L	10.9		1	U	1	U	5.35		1	U	162		5	U	--	
	MW-39-091919	9/19/2019	µg/L	1.67		1	U	1	U	3	U	1	U	121		5	U	--	
	MW-39-110419	11/4/2019	µg/L	14.3		1	U	1	U	7.75		1	U	114		5	U	--	
	MW-39-121819	12/18/2019	µg/L	8.47		1	U	1	U	7.49		1	U	114		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-39	MW-39-021120	2/11/2020	µg/L	**2.28**		1	U	1	U	**5.04**		1	U	**123**		5	U	--	
	MW-39-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**124**		5	U	--	
	MW-39-070820	7/8/2020	µg/L	**3.38**		1	U	1	U	3	U	1	U	**87.0**		5	U	--	
MW-40	MW-40-120716	12/7/2016	µg/L	**6,730**		**588**		**7,460**		**3,390**		50	U[b]	**373**		**64.8**		--	
	MW-40-031417	3/14/2017	µg/L	**11,600**		**1,280**		**16,100**		**7,260**		50	U[b]	**691**		250	U[b]	--	
	MW-40-032017	3/20/2017	µg/L	**12,300**		**1,330**		**19,600**		**7,500**		200	U[b]	**654**		1,000	U[b]	--	
	MW-40-033117	3/31/2017	µg/L	**13,300**		**1,500**		**19,500**		**8,070**		100	U[b]	**727**		500	U[b]	--	
	MW-40-040617	4/6/2017	µg/L	**10,400**		**1,180**		**16,200**		**6,570**		200	U[b]	**650**		1,000	U[b]	--	
	MW-40-062817	6/28/2017	µg/L	**9,250**		**1,030**		**19,200**		**6,540**		500	U[b]	**590**		2,500	U[b]	--	
	MW-40-071717	7/17/2017	µg/L	**11,400**		**1,210**		**25,300**		**7,430**		500	U[b]	**727**		2,500	U[b]	--	
	MW-40-080117	8/1/2017	µg/L	**12,000**		**1,120**		**23,200**		**8,070**		500	U[b]	**631**		2,500	U[b]	--	
	MW-40-090817	9/8/2017	µg/L	**14,300**		**1,250**		**28,700**		**9,250**		20	U[b]	**716**		**219**		--	
	MW-40-100417	10/4/2017	µg/L	**13,800**		1,000	U[b]	**28,800**		**9,530**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-110817	11/8/2017	µg/L	**13,500**		1,000	U[b]	**23,000**		**9,290**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-120617	12/6/2017	µg/L	**14,300**		1,000	U[b]	**22,300**		**10,100**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-010918	1/9/2018	µg/L	**12,400**		**773**		**22,300**		**10,200**		200	U[b]	**497**		1,000	U[b]	--	
	MW-40-020618	2/6/2018	µg/L	**11,100**		**777**		**20,300**		**9,350**		200	U[b]	**373**		1,000	U[b]	--	
	MW-40-030818	3/8/2018	µg/L	**8,450**		**498**		**14,500**		**7,580**		50	U[b]	**337**		250	U[b]	--	
	MW-40-040618	4/6/2018	µg/L	**6,710**		**212**		**8,350**		**5,460**		100	U[b]	**423**		500	U[b]	--	
	MW-40-050318	5/3/2018	µg/L	**2,890**		100	U	**3,490**		**3,350**		100	U[b]	**288**		500	U[b]	--	
	MW-40-060518	6/5/2018	µg/L	**472**		**16.8**		**514**		**1,490**		1	U	**255**		**20.4**		--	
	MW-40-071218	7/12/2018	µg/L	**148**		**6.85**		**28.7**		**197**		1	U	**152**		**8.62**		--	
	MW-40-080218	8/2/2018	µg/L	**123**		**4.46**		**9.67**		**93.2**		1	U	**183**		5	U	--	
	MW-40-091218	9/12/2018	µg/L	**28.2**		**1.67**		**15.3**		**14.0**		1	U	**112**		5	U	--	
	MW-40-110218	11/2/2018	µg/L	**6.40**		1	U	**2.05**		3	U	1	U	**76.7**		5	U	--	
	MW-40-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**36.2**		5	U	--	
	MW-40-022019	2/20/2019	µg/L	**2.68**		1	U	1	U	3	U	1	U	**7.34**		5	U	--	
	MW-40-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.73**		5	U	--	
	MW-40-051419	5/14/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.12**		5	U	--	
	MW-40-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.81**		5	U	--	
	MW-40-082119	8/21/2019	µg/L	**2.56**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-40-091919	9/19/2019	µg/L	**4.50**		1	U	**3.17**		3	U	1	U	1	U	5	U	--	
	MW-40-110619	11/6/2019	µg/L	**10.1**		1	U	**13.1**		**21.4**		1	U	**2.67**		5	U	--	
	MW-40-121919	12/19/2019	µg/L	**86.1**		**6.09**		**86.2**		**127**		1	U	**12.6**		5	U	--	
	MW-40-021120	2/11/2020	µg/L	**125**		**1.10**		**38.7**		**78.1**		1	U	**19.2**		5	U	--	
	MW-40-031020	3/10/2020	µg/L	**195**		**2.92**		**53.0**		**102**		1	U	**29.9**		5	U	--	
	MW-40-070920	7/9/2020	µg/L	**1.24**		1	U	1	U	3	U	1	U	**17.2**		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-41	MW-41-120716	12/7/2016	µg/L	212		2	U	2	U	155		2	U	6.70		5.60		--	
	MW-41-031417	3/14/2017	µg/L	469		1.78		1	U	275		1	U	4.34		18.1		--	
	MW-41-032017	3/20/2017	µg/L	424		2.62		1	U	342		1	U	1	U	16.9		--	
	MW-41-033117	3/31/2017	µg/L	449		5	U	5	U	343		5	U[b]	5	U	25	U[b]	--	
	MW-41-040617	4/6/2017	µg/L	470		2.06		1	U	258		1	U	3.84		10.6		--	
	MW-41-062817	6/28/2017	µg/L	292		8.83		2.09		271		1	U	3.36		13.3		--	
	MW-41-071717	7/17/2017	µg/L	487		15.8		3.09		366		1	U	3.62		27.9		--	
	MW-41-080117	8/1/2017	µg/L	371		10	U	10	U	260		10	U[b]	10	U	50	U[b]	--	
	MW-41-090817	9/8/2017	µg/L	189		1.51		1	U	90.0		1	U	3.74		5	U	--	
	MW-41-100417	10/4/2017	µg/L	93.5		1	U	1	U	59.9		1	U	1.84		5	U	--	
	MW-41-110817	11/8/2017	µg/L	99.6		1	U	1	U	56.6		1	U	2.46		5.68		--	
	MW-41-120617	12/6/2017	µg/L	27.6		1	U	1	U	11.1		1	U	1.62		5	U	--	
	MW-41-010918	1/9/2018	µg/L	2.06		1	U	1	U	3	U	1	U	1.43		5	U	--	
	MW-41-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-021120	2/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-42	MW-42-120716	12/7/2016	µg/L	3.80		1	U	1	U	2.70		1	U	1	U	1	U	--	
	MW-42-031417	3/14/2017	µg/L	19.3		1	U	1	U	3	U	1	U	1.12		5	U	--	
	MW-42-032017	3/20/2017	µg/L	59.6		1	U	1	U	16.9		1	U	1.24		5	U	--	
	MW-42-033117	3/31/2017	µg/L	135		1	U	1	U	73.8		1	U	1	U	5.19		--	
	MW-42-040617	4/6/2017	µg/L	93.5		1	U	1	U	53.3		1	U	1.18		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-42	MW-42-062817	6/28/2017	µg/L	**15.1**		1	U	1	U	**11.7**		1	U	**1.25**		5	U	--	
	MW-42-090817	9/8/2017	µg/L	**143**		1	U	1	U	**100**		1	U	**1.51**		**5.52**		--	
	MW-42-120617	12/6/2017	µg/L	**9.82**		1	U	1	U	**45.0**		1	U	**1.24**		5	U	--	
	MW-42-030818	3/8/2018	µg/L	**1.02**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43	MW-43-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**4.42**		5	U	--	
	MW-43-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43B	MW-43B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-43B	MW-43B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-062917	6/29/2017	µg/L	**1.06**		1	U	**7.12**		**3.11**		1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-121919	12/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44B	MW-44B-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-062817	6/28/2017	µg/L	1	U	1	U	**2.39**		3	U	1	U	1	U	5	U	--	
	MW-44B-090717	9/7/2017	µg/L	1	U	1	U	**3.07**		3	U	1	U	1	U	5	U	--	
	MW-44B-120517	12/5/2017	µg/L	1	U	1	U	**2.27**		3	U	1	U	1	U	5	U	--	
	MW-44B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-45	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-45-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-080217	8/2/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB			
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**			
MW-45	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	MW-45-030618	3/6/2018	µg/L	**24.3**		**6.11**		**28.9**		**41.2**		1	U	1	U	5	U	--			
	MW-45-040618	4/6/2018	µg/L	**21.9**		**3.08**		**19.6**		**36.6**		1	U	1	U	5	U	--			
	MW-45-050318	5/3/2018	µg/L	**2.65**		1	U	1	U	1	U	1	U	**3.35**		5	U	--			
	MW-45-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**46.3**		5	U	--			
	MW-45-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**3.67**		5	U	--			
	MW-45-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**47.7**		5	U	--			
	MW-45-091719	9/17/2019	µg/L	**5.24**		1	U	1	U	1	U	1	U	**103**		5	U	--			
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	MW-45-021220	2/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**19.5**		5	U	--			
	MW-45-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.15**		5	U	--			
	MW-45-050620	5/6/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**5.40**		5	U	--			
	MW-45-070920	7/9/2020	µg/L	1	U	1	U	**3.71**		3	U	1	U	**32.3**		5	U	--			
MW-45B	MW-45B-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-062817	6/28/2017	µg/L	1	U	1	U	**1.73**		3	U	1	U	1	U	5	U	--			
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	MW-45B-120717	12/7/2017	µg/L	1	U	1	U	**3.26**		3	U	1	U	1	U	5	U	--			
	MW-45B-030618	3/6/2018	µg/L	1	U	1	U	**2.75**		3	U	1	U	1	U	5	U	--			
	MW-45B-060718	6/7/2018	µg/L	1	U	1	U	**1.94**		3	U	1	U	1	U	5	U	--			
	MW-45B-091118	9/11/2018	µg/L	1	U	1	U	**1.16**		3	U	1	U	1	U	5	U	--			
	MW-45B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			
	MW-45B-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--			

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-46	MW-46-120617	12/6/2017	µg/L	**4.97**		1	U	1	U	**7.74**		1	U	**85.5**		5	U	--	
	MW-46-030618	3/6/2018	µg/L	**173**		**1.76**		**16.5**		**29.5**		1	U	**129**		**7.21**		--	
	MW-46-060518	6/5/2018	µg/L	**294**		1	U	**11.8**		**147**		1	U	**184**		5	U	--	
	MW-46-080218	8/2/2018	µg/L	**1,520**		**4.24**		**92.1**		**763**		1	U	**200**		**20.7**		--	
	MW-46-091118	9/11/2018	µg/L	**1,510**		**6.81**		**64.0**		**597**		1	U	**311**		**23.4**		--	
	MW-46-110218	11/2/2018	µg/L	**1,790**		**7.10**		**120**		**740**		1	U	**299**		**16.6**		--	
	MW-46-120518	12/5/2018	µg/L	**1,250**		**3.07**		**46.7**		**521**		**1.90**		**290**		**7.38**		--	
	MW-46-022019	2/20/2019	µg/L	**2,380**		**2.97**		**82.4**		**799**		1	U	**346**		**22.4**		--	
	MW-46-030519	3/5/2019	µg/L	**2,350**		**4.01**		**73.7**		**701**		1	U	**406**		**32.8**		--	
	MW-46-051419	5/14/2019	µg/L	**1,300**		**2.27**		**54.8**		**412**		1	U	**174**		**28.9**		--	
	MW-46-060519	6/5/2019	µg/L	**1,300**		10	U	**19.5**		**400**		10	U[b]	**278**		50	U[b]	--	
	MW-46-071719	7/17/2019	µg/L	**976**		1	U	**29.1**		**237**		1	U	**198**		**15.5**		--	
	MW-46-082119	8/21/2019	µg/L	**874**		25	U	25	U	**226**		25	U[b]	**191**		125	U[b]	--	
	MW-46-091719	9/17/2019	µg/L	**705**		25	U	**26.1**		**150**		25	U[b]	**175**		125	U[b]	--	
	MW-46-110719	11/7/2019	µg/L	**136**		5	U	5	U	**18.8**		5	U	**158**		25	U	--	
	MW-46-122019	12/20/2019	µg/L	**7.14**		1	U	1	U	3	U	1	U	**121**		5	U	--	
	MW-46-021320	2/13/2020	µg/L	5	U	5	U	5	U	15	U	5	U	**122**		25	U	--	
	MW-46-031220	3/12/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**161**		5	U	--	
	MW-46-050520	5/5/2020	µg/L	**8.35**		1	U	1	U	3	U	1	U	**136**		5	U	--	
	MW-46-072220	7/22/2020	µg/L	**55.7**		1	U	1	U	**6.54**		1	U	**147**		5	U	--	
MW-47	MW-47-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-48B	MW-48B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**2.92**		5	U	--	
	MW-48B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.97**		5	U	--	
	MW-48B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.12**		5	U	--	
	MW-48B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.80**		5	U	--	
	MW-48B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.56**		5	U	--	
	MW-48B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.64**		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-48B	MW-48B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.45**		5	U	--	
	MW-48B-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.14**		5	U	--	
	MW-48B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-48B-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.23**		5	U	--	
MW-49	MW-49-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-031020	3/10/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-50B	MW-50B-120617	12/6/2017	µg/L	**1.37**		1	U	1	U	3	U	1	U	**35.5**		5	U	--	
	MW-50B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**26.7**		5	U	--	
	MW-50B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**21.8**		5	U	--	
	MW-50B-091218	9/12/2018	µg/L	**150**		**1.20**		**57.9**		**47.8**		1	U	**87.9**		5	U	--	
	MW-50B-120618	12/6/2018	µg/L	**27.4**		1	U	**3.21**		3	U	1	U	**40.6**		5	U	--	
	MW-50B-030619	3/6/2019	µg/L	**1.18**		1	U	1	U	3	U	1	U	**43.9**		5	U	--	
	MW-50B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**44.1**		5	U	--	
	MW-50B-091819	9/18/2019	µg/L	**25.6**		1	U	**1.20**		3	U	1	U	**43.1**		5	U	--	
	MW-50B-121819	12/18/2019	µg/L	**2.30**		1	U	1	U	3	U	1	U	**32.4**		5	U	--	
	MW-50B-021820	2/18/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**42.1**		5	U	--	
	MW-50B-031120	3/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**60.5**		5	U	--	
	MW-50B-050620	5/6/2020	µg/L	**39.0**		1	U	1	U	3	U	1	U	**65.0**		5	U	--	
	MW-50B-070820	7/8/2020	µg/L	**44.8**		1	U	1	U	3	U	1	U	**68.9**		5	U	--	
MW-51	MW-51-100518	10/5/2018	µg/L	1	U	1	U	**1.88**		3	U	1	U	1	U	5	U	--	
	MW-51-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.57**		5	U	--	
	MW-51-021120	2/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-52	MW-52-100518	10/5/2018	µg/L	1	U	1	U	**1.25**		3	U	1	U	**3.12**		5	U	--	
	MW-52-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-52	MW-52-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.32**		5	U	--	
	MW-52-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-52-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.01**		5	U	--	
	MW-52-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-52-021120	2/11/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-52-070820	7/8/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**1.76**		5	U	--	
MW-53	MW-53-100518	10/5/2018	µg/L	1	U	1	U	**5.43**		3	U	1	U	1	U	5	U	--	
	MW-53-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-021320	2/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-54	MW-54-100518	10/5/2018	µg/L	1	U	1	U	**1.72**		3	U	1	U	**1.35**		5	U	--	
	MW-54-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-021320	2/13/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-55	MW-55-040919	4/9/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-021820	2/18/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-070720	7/7/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-56	MW-56-040919	4/9/2019	µg/L	**209**		1	U	**2.57**		**93.9**		1	U	**79.9**		5	U	--	
	MW-56-051519	5/15/2019	µg/L	**299**		1	U	**4.11**		**119**		1	U	**86.2**		**5.33**		--	
	MW-56-071719	7/17/2019	µg/L	**549**		1	U	**8.90**		**205**		1	U	**146**		**8.18**		--	
	MW-56-082119	8/21/2019	µg/L	**391**		10	U	10	U	**91.1**		10	U[b]	**134**		50	U[b]	--	
	MW-56-091719	9/17/2019	µg/L	**30.1**		1	U	1	U	**8.51**		1	U	**137**		5	U	--	
	MW-56-110519	11/5/2019	µg/L	**5.55**		1	U	1	U	3	U	1	U	**168**		5	U	--	
	MW-56-121719	12/17/2019	µg/L	**84.3**		1	U	**1.13**		**33.6**		1	U	**141**		5	U	--	
	MW-56-021320	2/13/2020	µg/L	**135**		1	U	**1.61**		**51.5**		1	U	**192**		5	U	--	
	MW-56-031120	3/11/2020	µg/L	**46.6**		1	U	1	U	**19.1**		1	U	**192**		5	U	--	

Table 5B. Analytical Results for Groundwater, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
		RBSL[a]:	µg/L	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-56	MW-56-050420	5/4/2020	µg/L	**1.49**		1	U	1	U	3	U	1	U	**95.1**		5	U	--	
	MW-56-072220	7/22/2020	µg/L	1	U	1	U	1	U	3	U	1	U	**55.3**		5	U	--	
MW-57	MW-57-040919	4/9/2019	µg/L	**1,340**		**2.81**		**42.0**		**406**		1	U	**198**		**20.5**		--	
	MW-57-051519	5/15/2019	µg/L	**535**		**1.36**		**11.1**		**178**		1	U	**169**		**8.65**		--	
	MW-57-071719	7/17/2019	µg/L	**1,330**		**3.63**		**22.9**		**341**		1	U	**186**		**19.8**		--	
	MW-57-082119	8/21/2019	µg/L	**584**		10	U	10	U	**76.2**		10	U[b]	**183**		50	U[b]	--	
	MW-57-091719	9/17/2019	µg/L	**71.8**		10	U	10	U	30	U	10	U[b]	**74.6**		50	U[b]	--	
	MW-57-110519	11/5/2019	µg/L	**514**		1	U	**11.2**		**83.5**		1	U	**193**		5	U	--	
	MW-57-121719	12/17/2019	µg/L	**154**		1	U	**1.85**		**11.5**		1	U	**108**		5	U	--	
	MW-57-021220	2/12/2020	µg/L	**42.8**		1	U	1	U	3	U	1	U	**64.3**		5	U	--	
	MW-57-031120	3/11/2020	µg/L	**99.4**		1	U	1	U	**9.45**		1	U	**98.4**		5	U	--	
	MW-57-050420	5/4/2020	µg/L	**117**		1	U	1	U	**10.3**		1	U	**119**		5	U	--	
	MW-57-072220	7/22/2020	µg/L	**182**		1	U	1	U	**17.2**		1	U	**106**		5	U	--	
MW-60	MW-60-050420	5/4/2020	µg/L	**421**		1	U	**7.61**		**175**		1	U	**111**		**5.67**		--	
	MW-60-070720	7/7/2020	µg/L	**970**		**1.19**		**15.4**		**252**		1	U	**145**		**10.3**		--	

Notes:

[a] RBSL = Risk-based screening levels identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan, Revision 3.1, Table D1 "RBSLs for Groundwater," February 2016

[b] The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit cannot be determined.

Samples analyzed by EPA Methods SW 8260B and 8011.

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

ID = identification

MTBE = methyl tertiary butyl ether

MW = monitoring well

NS-FP = sample not collected due to the presence of free product in the well

NS-HS = sample not collected due to health and safety concerns

NS-IW = sample not collected due to insufficient volume of water in well

NS-OL = sample not collected because it was overlooked in the field

NS-SL = sample not analyzed due to sample being lost in transit to laboratory

NS-PS = sample not collected due to the observation of product sheen in well

U = analyte was not detected above the reported sample quantitation limit

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
Monitoring Wells																			
MW-01	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	850.25	853.07	15.61	8	2	13.00	837.2	5.82	15.82	3.0	13.0	847.2	837.2	10.00
MW-01B	Schramm Air Rig	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	850.45	852.99	45.26	10	6	38.50	812.0	21.03	41.03	18.5	38.5	832.0	812.0	20.00
MW-02	CME 750 HAS	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	841.24	841.04	19.78	8	2	20.00	821.2	4.80	19.80	5.0	20.0	836.2	821.2	15.00
MW-02B	Schramm Air Rig/rehabbed (10/5/2017) with a Mobile Drill B57	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	841.18	841.19	81.55	10	2	81.70	759.5	70.00	81.70	70.0	81.7	771.2	759.5	13.00
MW-03	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	838.38	838.36	22.19	8	2	20.00	818.4	4.98	19.98	5.0	20.0	833.4	818.4	15.00
MW-04	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	844.51	844.42	20.65	8	2	20.00	824.5	4.91	19.91	5.0	20.0	839.5	824.5	15.00
MW-05	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	851.15	851.11	19.89	8	2	20.00	831.1	4.96	19.96	5.0	20.0	846.1	831.1	15.00
MW-06	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	852.98	852.92	19.20	8	2	19.60	833.4	4.54	19.54	5.0	19.6	848.0	833.4	15.00
MW-06B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	852.42	852.57	85.65	13.75	4	85.20	767.2	65.50	85.50	65.5	85.5	786.9	766.9	20.00
MW-07	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	853.02	853.02	13.60	8	2	13.50	839.5	3.50	13.50	3.5	13.5	849.5	839.5	10.00
MW-08	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	844.75	844.72	19.80	8	2	19.70	825.1	4.67	19.67	4.7	19.7	840.1	825.1	15.00
MW-09	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	843.72	843.63	20.21	8	2	19.50	824.2	4.41	19.41	4.5	19.5	839.2	824.2	15.00
MW-09B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	843.71	843.92	151.00	13.75	4	151.00	692.7	132.20	151.00	132.2	151.0	711.5	692.7	20.00
MW-10	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	842.33	845.41	23.54	8	2	20.00	822.3	8.08	23.08	5.0	20.0	837.3	822.3	15.00
MW-11	CME 550 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	852.36	855.63	32.50	8	2	25.20	827.2	13.27	28.27	14.2	25.0	838.2	827.4	15.00
MW-12	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	832.20	834.53	21.69	8	2	19.30	812.9	6.63	21.63	4.3	19.3	827.9	812.9	15.00
MW-12B	Geoprobe 3230 DT HSA	MW-10460	12/22/2015	Still in use	Monitoring Well/Gauging	832.26	834.98	45.81	10	6	43.00	789.3	35.72	45.72	33.0	43.0	799.3	789.3	10.00
MW-13	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	845.93	848.84	22.18	8	2	19.00	826.9	6.92	21.92	4.0	19.0	841.9	826.9	15.00
MW-13B	Geoprobe 3230 DT HSA	MW-10461	12/21/2015	Still in use	Monitoring Well/Gauging	847.19	849.82	55.36	10	6	58.00	789.2	50.64	60.64	48.0	58.0	799.2	789.2	10.00
MW-14	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	836.47	838.70	22.20	8	2	19.30	817.2	6.53	21.53	4.3	19.3	832.2	817.2	15.00
MW-14B	Mobile ST Schramm	MW-10578	5/3/2016	Still in use	Monitoring Well/Gauging	837.12	840.20	76.97	10	6	76.90	760.2	66.07	76.07	66.0	76.0	771.1	761.1	10.00
MW-15	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	828.68	831.03	21.22	8	2	19.00	809.7	6.35	21.35	4.0	19.0	824.7	809.7	15.00
MW-15B	CME 550 HSA	MW-10136	7/28/2015	Still in use	Monitoring Well/Gauging	828.66	831.29	74.41	10	6	77.85	750.8	70.48	80.48	67.9	77.9	760.8	750.8	10.00
MW-16	CME 750 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	847.63	847.67	20.37	8	2	20.00	827.6	5.03	20.03	5.0	20.0	842.6	827.6	15.00
MW-17	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	855.32	855.35	15.30	8	2	11.00	844.3	6.03	11.03	6.0	11.0	849.3	844.3	5.00
MW-17B	Geoprobe 3230 DT HSA	MW-10462	1/7/2016	Still in use	Monitoring Well/Gauging	855.37	855.37	27.50	10	6	27.00	828.4	17.00	27.00	17.0	27.0	838.4	828.4	10.00
MW-18	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	846.82	846.89	19.75	8	2	20.00	826.8	5.06	20.06	5.0	20.0	841.8	826.8	15.00
MW-19	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	851.23	853.94	12.13	8	2	9.50	841.7	7.20	12.20	4.5	9.5	846.7	841.7	5.00
MW-20	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	853.07	852.89	19.45	8	2	19.00	834.1	3.81	18.81	4.0	19.0	849.1	834.1	15.00
MW-21	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	855.68	855.77	20.70	8	2	20.00	835.7	5.09	20.09	5.0	20.0	850.7	835.7	15.00
MW-22	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	854.62	854.60	10.30	8	2	11.00	843.6	5.98	10.98	6.0	11.0	848.6	843.6	5.00
MW-23	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	846.66	849.57	23.50	8	2	20.00	826.7	7.91	22.91	5.0	20.0	841.7	826.7	15.00
MW-23B	CME 550 HSA	MW-10136	7/22/2015	Still in use	Monitoring Well/Gauging	846.81	849.69	53.48	10	6	50.50	796.3	30.88	53.38	28.0	50.5	818.8	796.3	22.50
MW-24	CME 550 HSA	MW-10136	7/15/2015	Still in use	Monitoring Well/Gauging	815.72	817.92	15.30	8	2	13.00	802.7	10.20	15.20	8.0	13.0	807.7	802.7	5.00
MW-24B	CME 550 HSA	MW-10136	7/20/2015	Still in use	Monitoring Well/Gauging	815.83	818.72	45.10	10	6	39.50	776.3	22.39	42.39	19.5	39.5	796.3	776.3	20.00
MW-25	Geoprobe 3230 DT HSA	MW-10463	1/5/2016	Still in use	Monitoring Well/Gauging	823.46	826.18	18.07	8	2	15.00	808.5	8.04	18.04	5.0	15.0	818.5	808.5	10.00
MW-25B	Geoprobe 3230 DT HSA	MW-10464	1/5/2016	Still in use	Monitoring Well/Gauging	822.59	823.81	59.00	10	6	58.00	764.6	49.22	59.22	48.0	58.0	774.6	764.6	10.00
MW-26	Geoprobe 3230 DT HSA	MW-10465	1/4/2016	Still in use	Monitoring Well/Gauging	844.76	847.56	17.15	8	2	15.25	829.5	7.27	17.27	5.0	15.0	839.8	829.8	10.00

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
MW-26B	Geoprobe 3230 DT HSA	MW-10466	1/4/2016	Still in use	Monitoring Well/Gauging	844.81	847.81	43.84	10	6	38.00	806.8	29.00	41.00	26.0	38.0	818.8	806.8	12.00
MW-27	Geoprobe 3230 DT HSA	MW-10467	1/5/2016	Still in use	Monitoring Well/Gauging	854.22	854.11	29.51	8	2	30.25	824.0	15.11	30.11	15.0	30.0	839.2	824.2	15.00
MW-27B	CME 550 HSA / Schramm	MW-10578	4/26/2016	Still in use	Monitoring Well/Gauging	854.27	857.14	41.45	10	6	46.00	808.3	31.45	41.45	36.0	46.0	818.3	808.3	10.00
MW-28	Geoprobe 3230 DT HSA	MW-10468	1/5/2016	Still in use	Monitoring Well/Gauging	841.49	844.31	25.93	8	2	25.25	816.2	13.50	23.50	15.0	25.0	826.5	816.5	10.00
MW-29	Geoprobe 3230 DT HSA	MW-10469	1/4/2016	Still in use	Monitoring Well/Gauging	852.07	852.20	15.10	8	2	15.25	836.8	5.00	15.00	5.0	15.0	847.1	837.1	10.00
MW-30	Geoprobe 3230 DT HSA	MW-10470	1/6/2016	Still in use	Monitoring Well/Gauging	841.21	841.28	14.69	8	2	15.25	826.0	5.00	15.00	5.0	15.0	836.2	826.2	10.00
MW-31	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	842.26	845.04	28.20	8	2	25.00	817.3	13.20	28.20	10.0	25.0	832.3	817.3	15.00
MW-31B	CME 550 HSA / Schramm	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	842.01	844.94	79.25	10	6	76.00	766.0	68.25	79.25	65.0	76.0	777.0	766.0	11.00
MW-32	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	839.81	842.93	29.09	8	2	26.00	813.8	13.09	28.09	10.0	25.0	829.8	814.8	15.00
MW-33	CME 550 HSA	MW-10578	4/15/2016	Still in use	Monitoring Well/Gauging	846.20	849.20	28.30	8	2	27.00	819.2	11.30	26.30	10.0	25.0	836.2	821.2	15.00
MW-33T	CME 550 HSA/Air Rotary	MW-10578	4/14/2016	Still in use	Monitoring Well/Gauging	846.15	849.11	100.35	8	2	96.50	749.7	87.85	97.85	84.0	94.0	762.2	752.2	10.00
MW-34	Hand Auger	MW-10994	3/16/2017	Still in use	Monitoring Well/Gauging	813.99	816.35	7.86	4	2	5.00	809.0	5.36	7.86	2.5	5.0	811.5	809.0	2.50
MW-35	CME 550 HSA	MW-10578	4/20/2016	Still in use	Monitoring Well/Gauging	826.22	829.40	28.42	8	2	26.00	800.2	12.42	27.42	10.0	25.0	816.2	801.2	15.00
MW-36	CME 550 HSA	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	858.66	858.47	23.65	8	2	24.50	834.2	8.65	23.65	9.5	24.5	849.2	834.2	15.00
MW-36B	CME 550 HSA / Schramm	MW-10578	4/28/2016	Still in use	Monitoring Well/Gauging	858.49	858.15	47.54	10	6	54.90	803.6	36.64	46.64	44.0	54.0	814.5	804.5	10.00
MW-37	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	810.93	813.92	18.11	6.25	2	16.00	794.9	7.11	17.11	5.0	15.0	805.9	795.9	10.00
MW-38	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	810.49	813.28	11.61	6.25	2	9.10	801.4	6.41	11.41	3.9	8.9	806.6	801.6	5.00
MW-38B	Mobile Drill B57	MW-12274	4/14/2020	Still in use	Monitoring Well/Gauging	813.23	815.87	36.05	10.25	4	31.00	782.2	26.05	36.05	21.0	31.0	792.2	782.2	10.00
MW-39	Geoprobe 8040 HSA	MW-10759	11/29/2016	Still in use	Monitoring Well/Gauging	816.92	819.90	13.01	6.25	2	11.00	805.9	7.01	12.01	5.0	10.0	811.9	806.9	5.00
MW-40	Geoprobe 8040 HSA	MW-10759	11/30/2016	Still in use	Monitoring Well/Gauging	814.75	817.79	13.18	6.25	2	11.00	803.8	7.18	12.18	5.0	10.0	809.8	804.8	5.00
MW-41	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	816.67	819.68	13.20	6.25	2	11.00	805.7	7.20	12.20	5.0	10.0	811.7	806.7	5.00
MW-42	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	817.31	820.33	13.40	6.25	2	11.00	806.3	7.40	12.40	5.0	10.0	812.3	807.3	5.00
MW-43	Mobile Drill B57	MW-10964	10/20/2017	Still in use	Monitoring Well/Gauging	815.92	818.12	10.30	8.5	2	7.50	808.42	5.30	10.30	2.5	7.5	813.42	808.42	5.00
MW-43B	Mobile Drill B57	MW-10964	10/20/2017	Still in use	Monitoring Well/Gauging	816.08	818.80	54.40	13.75	4	51.00	765.08	34.40	54.40	31.0	51.0	785.08	765.08	20.00
MW-44	Hollow Stem Auger	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	853.82	853.67	9.82	6.25	2	10.00	843.8	4.82	9.82	5.0	10.0	848.8	843.8	5.00
MW-44B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	853.66	853.38	34.50	10.25	4	37.10	816.6	13.50	34.50	16.1	37.1	837.6	816.6	21.00
MW-45	Hollow Stem Auger	MW-10964	1/26/2017	Still in use	Monitoring Well/Gauging	852.39	852.47	14.42	6.25	2	14.00	838.4	4.42	14.42	4.0	14.0	848.4	838.4	10.00
MW-45B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/25/2017	Still in use	Monitoring Well/Gauging	852.69	852.85	40.30	10.25	4	40.30	812.4	19.00	40.30	19.0	40.3	833.7	812.4	21.30
MW-46	Geoprobe 8040 DT	MW-11117	9/13/2017	Still in use	Monitoring Well/Gauging	842.43	845.47	17.05	8.5	2	14.00	828.4	12.05	17.05	9.0	14.0	833.4	828.4	5.00
MW-47	Geoprobe 8040 DT	MW-11117	9/14/2017	Still in use	Monitoring Well/Gauging	839.89	842.98	22.79	8.5	2	20.00	819.9	12.79	22.79	10.0	20.0	829.9	819.9	10.00
MW-48B	Mobile Drill B57	MW-11117	10/18/2017	Still in use	Monitoring Well/Gauging	829.53	832.34	94.50	13.75	4	91.00	738.5	74.50	94.50	71.0	91.0	758.5	738.5	20.00
MW-49	Geoprobe 8040 DT	MW-11117	9/14/2017	Still in use	Monitoring Well/Gauging	843.65	846.78	23.30	8.5	2	21.00	822.7	8.30	23.30	6.0	21.0	837.7	822.7	15.00
MW-50B	Mobile Drill B57	MW-11247	10/17/2017	Still in use	Monitoring Well/Gauging	847.11	850.34	109.60	13.75	4	106.00	741.1	89.60	109.60	96.0	106.0	751.1	741.1	20.00
MW-51	CME 750 HSA	MW-11508	9/5/2018	Still in use	Monitoring Well/Gauging	828.77	831.92	25.34	6.25	2	22.50	806.3	10.34	25.34	7.3	22.3	821.5	806.5	15.00
MW-52	CME 750 HSA	MW-11508	9/4/2018	Still in use	Monitoring Well/Gauging	826.72	830.09	33.43	6.25	2	28.50	798.2	18.43	33.43	13.0	28.0	813.7	798.7	15.00
MW-53	CME 750 HSA	MW-11508	8/28/2018	Still in use	Monitoring Well/Gauging	837.24	837.37	21.32	8.0	2	21.80	815.4	6.32	21.32	6.0	21.0	831.2	816.2	15.00
MW-54	CME 750 HSA	MW-11508	8/30/2018	Still in use	Monitoring Well/Gauging	840.83	840.79	25.58	8.0	2	25.20	815.6	10.58	25.58	9.8	24.8	831.0	816.0	15.00
MW-55	Geoprobe 8040 DT	MW-11667	3/13/2019	Still in use	Monitoring Well/Gauging	859.84	859.71	25.50	6.0	2	25.50	834.3	10.50	25.50	10.0	25.0	849.8	834.8	15.00
MW-56	Geoprobe 8040 DT	MW-11841	3/12/2019	Still in use	Monitoring Well/Gauging	840.71	843.94	14.30	6.0	2	14.80	825.9	4.30	14.30	4.3	14.3	836.4	826.4	10.00

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
MW-57	Geoprobe 8040 DT	MW-11841	3/12/2019	Still in use	Monitoring Well/Gauging	842.50	845.63	13.88	6.0	2	14.38	828.1	3.88	13.88	3.9	13.9	838.6	828.6	10.00
MW-60	Mobile Drill B57	MW-12274	4/7/2020	Still in use	Monitoring Well/Gauging	841.95	844.88	16.95	10.5	2	13.00	829.0	6.95	16.95	3.0	13.0	839.0	829.0	10.00
Recovery Wells																			
RW-01	HSA	MW-09978	1/28/2015	Still in use	Gauging/LNAPL Recovery	849.49	851.92	20.80	6.25	4	17	832.5	4.44	19.44	2.0	17.0	847.5	832.5	15.00
RW-02	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	850.22	852.69	25.72	6.25	4	23	827.2	15.47	25.47	13.0	23.0	837.2	827.2	10.00
RW-03	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	850.03	852.34	33.39	6.25	4	31.2	818.8	18.51	33.51	16.2	31.2	833.8	818.8	15.00
RW-04	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	852.15	853.93	35.04	6.25	4	33	819.2	14.78	34.78	13.0	33.0	839.2	819.2	20.00
RW-05	HSA	MW-09978	1/30/2015	Still in use	Gauging/LNAPL Recovery	850.99	853.53	38.25	6.25	4	34.5	816.5	22.04	37.04	19.5	34.5	831.5	816.5	15.00
RW-06	HSA	MW-09978	1/30/2015	Still in use	Gauging/LNAPL Recovery	844.21	846.21	38.50	6.25	4	38.5	805.7	20.49	40.49	18.5	38.5	825.7	805.7	20.00
RW-07	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	841.01	843.19	38.00	6.25	4	38	803.0	15.18	40.18	13.0	38.0	828.0	803.0	25.00
RW-08	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	833.46	835.48	33.50	6.25	4	33.5	800.0	10.52	35.52	8.5	33.5	825.0	800.0	25.00
RW-09	HSA	MW-09978	2/3/2015	Still in use	Gauging/LNAPL Recovery	831.13	835.12	42.13	6.25	4	41.5	789.6	15.49	45.49	11.5	41.5	819.6	789.6	30.00
RW-10	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	846.76	848.53	66.51	6.25	4	68.5	778.3	5.27	70.27	3.5	68.5	843.3	778.3	65.00
RW-11	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	851.03	852.97	21.40	6.25	4	19.5	831.5	6.44	21.44	4.5	19.5	846.5	831.5	15.00
RW-12	HSA	MW-10006	2/5/2015	Still in use	Gauging/LNAPL Recovery	851.64	854.49	16.90	6.25	4	14	837.6	6.90	16.90	4.0	14.0	847.6	837.6	10.00
RW-13	HSA	MW-10006	2/5/2015	8/31/2018	Gauging/LNAPL Recovery	847.57	847.97	45.53	6.25	4	50	797.6	0.53	45.53	5.0	50.0	842.6	797.6	45.00
RW-14	HSA	MW-10006	2/6/2015	Still in use	Gauging/LNAPL Recovery	826.25	827.54	55.00	6.25	4	55	771.2	5.00	55.00	5.0	55.0	821.2	771.2	50.00
RW-15	HSA	MW-10006	2/10/2015	Still in use	Gauging/LNAPL Recovery	849.48	851.64	36.50	6.25	4	36.5	813.0	1.50	36.50	1.5	36.5	848.0	813.0	35.00
Recovery Sumps																			
RS-01	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	847.95	849.13	23.60	NA	4	22.42	825.5	3.18	23.60	2.0	22.4	845.9	825.5	20.42
RS-02	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	848.54	849.52	20.00	NA	4	19.02	829.5	2.98	20.00	2.0	19.0	846.5	829.5	17.02
RS-04	Trackhoe	MW-09978	12/30/2014	Still in use	Gauging/LNAPL Recovery	850.36	851.47	10.75	NA	4	9.64	840.7	3.11	10.75	2.0	9.6	848.4	840.7	7.64
RS-05	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	847.14	848.31	25.20	NA	4	24.03	823.1	3.17	25.20	2.0	24.0	845.1	823.1	22.03
RS-06	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	848.25	849.47	25.18	NA	4	23.96	824.3	3.22	25.18	2.0	24.0	846.2	824.3	21.96
RS-07	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	854.06	855.08	16.65	NA	4	15.63	838.4	3.02	16.65	2.0	15.6	852.1	838.4	13.63
RS-08	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	852.65	854.24	20.22	NA	4	18.63	834.0	3.59	20.22	2.0	18.6	850.7	834.0	16.63
RS-09	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.75	847.60	18.85	NA	4	18.00	828.8	2.85	18.85	2.0	18.0	844.8	828.8	16.00
RS-10	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.28	847.42	20.06	NA	4	18.92	827.4	3.14	20.06	2.0	18.9	844.3	827.4	16.92
RS-11	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.35	847.44	22.06	NA	4	20.97	825.4	3.09	22.06	2.0	21.0	844.3	825.4	18.97
RS-12	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.58	847.74	21.29	NA	4	20.13	826.5	3.16	21.29	2.0	20.1	844.6	826.5	18.13
RS-13	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.39	845.98	19.92	NA	4	19.33	826.1	1.96	19.92	1.4	19.3	844.0	826.1	17.96
RS-14	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.66	845.97	19.93	NA	4	18.62	826.0	3.31	19.93	2.0	18.6	842.7	826.0	16.62
RS-15	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.36	846.41	19.93	NA	4	18.88	826.5	3.05	19.93	2.0	18.9	843.4	826.5	16.88
RS-16	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.56	845.44	19.98	NA	4	19.10	825.5	2.88	19.98	2.0	19.1	842.6	825.5	17.10
RS-17	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	843.29	844.22	19.91	NA	4	18.98	824.3	2.93	19.91	2.0	19.0	841.3	824.3	16.98
RS-18	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	846.82	847.89	19.98	NA	4	18.91	827.9	3.07	19.98	2.0	18.9	844.8	827.9	16.91
RS-20	Trackhoe	MW-09978	3/19/2015	Still in use	Gauging/LNAPL Recovery	841.73	842.69	11.84	NA	4	9.91	831.8	3.93	11.84	2.0	9.9	839.7	831.8	7.91

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
Recovery Trench Sumps																			
RT-1A	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	852.86	854.06	20.89	NA	4	20.00	832.9	3.20	21.20	2.0	20.0	850.9	832.9	18.00
RT-1B	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.29	854.15	21.10	NA	4	20.00	833.3	2.86	20.86	2.0	20.0	851.3	833.3	18.00
RT-1C	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.55	854.55	21.27	NA	4	20.00	833.5	3.00	21.00	2.0	20.0	851.5	833.5	18.00
RT-2A	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	815.66	817.48	10.81	NA	4	10.00	805.7	3.82	11.82	2.0	10.0	813.7	805.7	8.00
RT-2B	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.72	817.61	10.82	NA	4	10.00	806.7	2.89	10.89	2.0	10.0	814.7	806.7	8.00
RT-2C	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.86	818.06	10.23	NA	4	10.00	806.9	3.20	11.20	2.0	10.0	814.9	806.9	8.00
RT-2D	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.11	818.12	10.21	NA	4	10.00	807.1	3.01	11.01	2.0	10.0	815.1	807.1	8.00
RT-2E	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.32	818.25	10.24	NA	4	10.00	807.3	2.93	10.93	2.0	10.0	815.3	807.3	8.00
RT-2F	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.74	818.57	10.23	NA	4	10.00	807.7	2.83	10.83	2.0	10.0	815.7	807.7	8.00
RT-2G	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.27	820.07	10.24	NA	4	10.00	809.3	2.80	10.80	2.0	10.0	817.3	809.3	8.00
RT-2I	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.23	819.51	10.20	NA	4	10.00	809.2	2.28	10.28	2.0	10.0	817.2	809.2	8.00
RT-2J	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.47	817.63	10.22	NA	4	10.00	807.5	2.16	10.16	2.0	10.0	815.5	807.5	8.00
RT-2K	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	816.11	817.40	4.14	NA	4	2.50	813.6	2.64	4.14	1.0	2.5	815.1	813.6	1.50
RT-2L	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	817.95	819.54	6.60	NA	4	3.71	814.2	3.89	6.60	1.0	3.7	816.9	814.2	2.71
Piezometers																			
TW-04R	DPT	MW-10006	2/4/2015	8/30/2018	Gauging	852.68	852.64	5.46	2.2	1	5.5	847.2	2.46	5.46	2.5	5.5	850.2	847.2	3.00
TW-05R	DPT	MW-10006	2/4/2015	8/30/2018	Gauging	849.96	849.93	8.87	2.2	1	8.8	841.2	2.87	8.87	2.8	8.9	847.2	841.1	6.00
TW-14R	DPT	MW-10006	2/4/2015	8/30/2018	Gauging	853.47	853.37	6.20	2.2	1	6.5	847.0	2.20	6.20	2.5	6.3	851.0	847.2	4.00
TW-15R	DPT	MW-10006	2/4/2015	8/30/2018	Gauging	850.70	850.62	4.85	2.2	1	5	845.7	1.85	4.85	2.0	4.9	848.7	845.8	3.00
TW-21	DPT	MW-09978	1/22/2015	8/30/2018	Gauging	849.72	849.70	9.54	2.2	1	14	835.7	-0.46	9.54	4.0	9.6	845.7	840.2	10.00
TW-28	DPT	MW-09978	1/23/2015	Still in use	Gauging	851.57	851.42	31.84	2.2	1	30	821.6	11.84	31.84	10.0	32.0	841.6	819.6	20.00
TW-30	DPT	MW-09978	1/23/2015	8/30/2018	Gauging	851.86	851.81	23.15	2.2	1	24	827.9	8.15	23.15	9.0	23.2	842.9	828.7	15.00
TW-34	DPT	MW-09978	1/24/2015	8/30/2018	Gauging	854.92	854.79	25.04	2.2	1	23	831.9	10.04	25.04	8.0	25.2	846.9	829.7	15.00
TW-35	DPT	MW-09978	1/24/2015	8/30/2018	Gauging	854.22	854.10	25.12	2.2	1	23	831.2	10.12	25.12	8.0	25.2	846.2	829.0	15.00
TW-40	DPT	MW-09978	1/24/2015	8/30/2018	Gauging	853.45	853.35	34.05	2.2	1	33	820.5	14.05	34.05	13.0	34.2	840.5	819.3	20.00
TW-41	DPT	MW-09978	1/25/2015	Still in use	Gauging	849.38	849.38	32.15	2.2	1	34	815.4	7.15	32.15	9.0	32.1	840.4	817.2	25.00
TW-42	DPT	MW-09978	1/25/2015	Still in use	Gauging	847.02	846.84	27.50	2.2	1	29.5	817.5	7.50	27.50	9.5	27.7	837.5	819.3	20.00
TW-45	DPT	MW-09978	1/25/2015	Still in use	Gauging	848.26	848.31	36.86	2.2	1	37.5	810.8	11.86	36.86	12.5	36.8	835.8	811.4	25.00
TW-55	DPT	MW-10006	2/5/2015	Still in use	Gauging	846.00	845.93	41.50	2.7	1	43	803.0	11.50	41.50	13.0	41.6	833.0	804.4	30.00
TW-59	DPT	MW-09978	1/30/2015	Still in use	Gauging	834.84	834.78	21.15	2.7	1	22	812.8	6.15	21.15	7.0	21.2	827.8	813.6	15.00
TW-60	DPT	MW-09978	1/30/2015	Still in use	Gauging	828.00	828.03	37.20	2.7	1	41.5	786.5	2.20	37.20	6.5	37.2	821.5	790.8	35.00
TW-64	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.89	845.88	52.85	2.2	1	55	790.9	2.85	52.85	5.0	52.9	840.9	793.0	50.00
TW-65	DPT	MW-09978	2/2/2015	8/30/2018	Gauging	845.66	845.62	44.81	2.2	1	44.5	801.2	9.81	44.81	9.5	44.8	836.2	800.8	35.00
TW-66	DPT	MW-09978	2/2/2015	Still in use	Gauging	820.18	820.31	23.81	2.7	1	24	796.2	3.81	23.81	4.0	23.7	816.2	796.5	20.00
TW-67	DPT	MW-09978	2/3/2015	Still in use	Gauging	852.88	852.71	26.47	2.7	1	27	825.9	6.47	26.47	7.0	26.6	845.9	826.2	20.00
TW-68	DPT	MW-09978	2/3/2015	8/30/2018	Gauging	846.59	846.45	29.96	2.2	1	27	819.6	9.96	29.96	7.0	30.1	839.6	816.5	20.00
TW-69	DPT	MW-09978	2/3/2015	8/30/2018	Gauging	840.38	840.27	51.91	2.2	1	50	790.4	11.91	51.91	10.0	52.0	830.4	788.4	40.00
TW-70	DPT	MW-09978	2/3/2015	8/30/2018	Gauging	842.07	841.95	45.05	2.2	1	43	799.1	10.05	45.05	8.0	45.2	834.1	796.9	35.00
TW-73	DPT	MW-09978	2/3/2015	Still in use	Gauging	850.60	850.53	16.00	2.7	1	16	834.6	6.00	16.00	6.0	16.1	844.6	834.5	10.00
TW-76	DPT	MW-10006	2/4/2015	8/30/2018	Gauging	852.53	852.44	43.62	2.7	1	43	809.5	8.62	43.62	8.0	43.7	844.5	808.8	35.00

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
TW-81	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	849.48	849.43	7.00	2.2	1	7	842.5	2.00	7.00	2.0	7.0	847.5	842.4	5.00
TW-82	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	849.83	849.64	10.00	2.2	1	10	839.8	2.00	10.00	2.0	10.2	847.8	839.6	8.00
TW-83	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	850.54	850.44	17.00	2.2	1	17	833.5	2.00	17.00	2.0	17.1	848.5	833.4	15.00
TW-84	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	851.38	851.22	13.50	2.2	1	13.5	837.9	3.50	13.50	3.5	13.7	847.9	837.7	10.00
TW-85	DPT	MW-10006	2/5/2015	8/31/2018	Gauging	843.64	843.49	39.00	2.7	1	39	804.6	9.00	39.00	9.0	39.2	834.6	804.5	30.00
TW-86	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	853.28	853.10	6.00	2.2	1	6	847.3	2.00	6.00	2.0	6.2	851.3	847.1	4.00
TW-87	DPT	MW-10006	2/5/2015	8/30/2018	Gauging	852.33	852.25	7.00	2.2	1	7	845.3	2.00	7.00	2.0	7.1	850.3	845.3	5.00
TW-90	DPT	MW-10006	2/6/2015	8/31/2018	Gauging	845.48	845.43	46.50	2.7	1	46.5	799.0	6.50	46.50	6.5	46.6	839.0	798.9	40.00
TW-94	DPT	MW-10006	2/10/2015	Still in use	Gauging	840.75	840.58	40.00	2.7	1	40	800.8	5.00	40.00	5.0	40.2	835.8	800.6	35.00
TW-96	DPT	MW-10006	2/11/2015	Still in use	Gauging	840.52	840.40	28.76	2.7	1	30	810.5	3.76	28.76	5.0	28.9	835.5	811.6	25.00
Vertical Air Sparging Wells																			
VAS-01	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	853.269	NS	NA	8.50	2.00	32.20	NA	NA	NA	28.70	31.20	NA	NA	2.50
VAS-02	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.360	NS	NA	8.50	2.00	27.00	NA	NA	NA	23.50	26.00	NA	NA	2.50
VAS-03	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.132	NS	NA	8.50	2.00	18.30	NA	NA	NA	14.80	17.30	NA	NA	2.50
VAS-04	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	852.056	NS	NA	8.50	2.00	16.70	NA	NA	NA	13.20	15.70	NA	NA	2.50
VAS-05	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	851.559	NS	NA	8.50	2.00	13.00	NA	NA	NA	9.50	12.00	NA	NA	2.50
VAS-06	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.612	NS	NA	8.50	2.00	14.40	NA	NA	NA	10.90	13.40	NA	NA	2.50
VAS-07	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.603	NS	NA	8.50	2.00	19.40	NA	NA	NA	15.90	18.40	NA	NA	2.50
VAS-08	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.583	NS	NA	8.50	2.00	22.00	NA	NA	NA	18.50	21.00	NA	NA	2.50
VAS-09	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.607	NS	NA	8.50	2.00	14.00	NA	NA	NA	10.50	13.00	NA	NA	2.50
VAS-10	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.411	NS	NA	8.50	2.00	16.10	NA	NA	NA	12.60	15.10	NA	NA	2.50
VAS-11	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	852.476	NS	NA	8.50	2.00	25.30	NA	NA	NA	21.80	24.30	NA	NA	2.50
VAS-12	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.535	NS	NA	8.50	2.00	24.20	NA	NA	NA	20.70	23.20	NA	NA	2.50
VAS-13	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.701	NS	NA	8.50	2.00	19.60	NA	NA	NA	16.10	18.60	NA	NA	2.50
VAS-14	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	851.239	NS	NA	8.50	2.00	16.20	NA	NA	NA	12.70	15.20	NA	NA	2.50
VAS-15	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	850.732	NS	NA	8.50	2.00	15.50	NA	NA	NA	12.00	14.50	NA	NA	2.50
VAS-16	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	850.305	NS	NA	8.50	2.00	17.90	NA	NA	NA	14.40	16.90	NA	NA	2.50
VAS-17	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	849.842	NS	NA	8.50	2.00	19.30	NA	NA	NA	15.80	18.30	NA	NA	2.50
VAS-18	Geoprobe 8040 HSA	SCHE03020469	8/8/2016	Still in use	Cupboard Creek Protection	849.513	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-19	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	850.465	NS	NA	8.50	2.00	17.20	NA	NA	NA	13.60	16.10	NA	NA	2.50
VAS-20	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	827.789	NS	NA	8.50	2.00	47.60	NA	NA	NA	44.60	47.10	NA	NA	2.50
VAS-21	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	826.304	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-22	Mobile B57 HSA	SCHE03020469	7/21/2016	Still in use	Brown's Creek Protection	827.394	NS	NA	8.50	2.00	57.00	NA	NA	NA	53.50	56.00	NA	NA	2.50
VAS-23	Mobile B57 HSA	SCHE03020469	7/22/2016	Still in use	Brown's Creek Protection	827.211	NS	NA	8.50	2.00	49.50	NA	NA	NA	46.00	48.50	NA	NA	2.50
VAS-24	Mobile B57 HSA	SCHE03020469	7/5/2016	Still in use	Brown's Creek Protection	826.803	NS	NA	8.50	2.00	58.50	NA	NA	NA	55.00	57.50	NA	NA	2.50
VAS-25	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	826.411	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-26	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	825.180	NS	NA	8.50	2.00	55.00	NA	NA	NA	51.50	54.00	NA	NA	2.50
VAS-27	Mobile B57 HSA	SCHE03020469	7/8/2016	Still in use	Brown's Creek Protection	826.369	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-28	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	828.930	NS	NA	8.50	2.00	23.10	NA	NA	NA	19.80	22.30	NA	NA	2.50
VAS-29	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	832.025	NS	NA	8.50	2.00	27.50	NA	NA	NA	24.00	26.50	NA	NA	2.50
VAS-30	Mobile B57 HSA	SCHE03020469	6/21/2016	Still in use	Brown's Creek Protection	831.485	NS	NA	8.50	2.00	52.90	NA	NA	NA	49.40	51.90	NA	NA	2.50

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Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
VAS-31	Mobile B57 HSA	SCHE03020469	6/21/2016	Still in use	Brown's Creek Protection	828.337	NS	NA	8.50	2.00	42.00	NA	NA	NA	38.50	41.00	NA	NA	2.50
VAS-32	Mobile B57 HSA	SCHE03020469	6/30/2016	Still in use	Brown's Creek Protection	836.257	NS	NA	8.50	2.00	43.00	NA	NA	NA	39.50	42.00	NA	NA	2.50
VAS-33	Mobile B57 HSA	SCHE03020469	6/29/2016	Still in use	Brown's Creek Protection	840.900	NS	NA	8.50	2.00	52.60	NA	NA	NA	49.10	51.60	NA	NA	2.50
VAS-34	Mobile B57 HSA	SCHE03020469	7/13/2016	Still in use	Brown's Creek Protection	836.585	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-35	Mobile B57 HSA	SCHE03020469	7/13/2016	Still in use	Brown's Creek Protection	831.212	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-36	Mobile B57 HSA	SCHE03020469	7/7/2016	Still in use	Brown's Creek Protection	831.361	NS	NA	8.50	2.00	33.20	NA	NA	NA	29.70	32.20	NA	NA	2.50
VAS-37	Mobile B57 HSA	SCHE03020469	7/7/2016	Still in use	Brown's Creek Protection	832.454	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-38	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	834.566	NS	NA	8.50	2.00	21.10	NA	NA	NA	16.60	19.10	NA	NA	2.50
VAS-39	Mobile B57 HSA	SCHE03020469	6/22/2016	Still in use	Brown's Creek Protection	835.956	NS	NA	8.50	2.00	42.40	NA	NA	NA	38.90	41.40	NA	NA	2.50
VAS-40	Mobile B57 HSA	SCHE03020469	6/23/2016	Still in use	Brown's Creek Protection	833.753	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-41	Mobile B57 HSA	SCHE03020469	6/28/2016	Still in use	Brown's Creek Protection	845.071	NS	NA	8.50	2.00	27.80	NA	NA	NA	24.30	26.80	NA	NA	2.50
VAS-42A	Mobile B57 HSA	SCHE03020469	7/14/2016	Still in use	Brown's Creek Protection	845.304	NS	NA	8.50	2.00	39.30	NA	NA	NA	35.80	38.30	NA	NA	2.50
VAS-43A	Mobile B57 HSA	SCHE03020469	7/15/2016	Still in use	Brown's Creek Protection	843.078	NS	NA	8.50	2.00	66.50	NA	NA	NA	63.00	65.50	NA	NA	2.50
VAS-44A	Mobile B57 HSA	SCHE03020469	7/18/2016	Still in use	Brown's Creek Protection	838.353	NS	NA	8.50	2.00	72.50	NA	NA	NA	69.00	71.50	NA	NA	2.50
VAS-46	Mobile B57 HSA	SCHE03020469	6/24/2016	Still in use	Brown's Creek Protection	839.503	NS	NA	8.50	2.00	20.80	NA	NA	NA	18.00	20.50	NA	NA	2.50
VAS-47	CME-750	SCHE03020469M2	8/27/2018	Still in use	Brown's Creek Protection	848.370	NS	NA	8.00	2.00	33.20	NA	NA	NA	30.20	32.20	NA	NA	2.00
VAS-48	CME-750	SCHE03020469M2	8/16/2018	Still in use	Brown's Creek Protection	846.580	NS	NA	8.00	2.00	35.70	NA	NA	NA	32.70	34.70	NA	NA	2.00
VAS-49	CME-750	SCHE03020469M2	8/28/2018	Still in use	Brown's Creek Protection	849.730	NS	NA	8.00	2.00	33.70	NA	NA	NA	30.70	32.70	NA	NA	2.00
VAS-50	CME-750	SCHE03020469M2	8/16/2018	Still in use	Brown's Creek Protection	850.110	NS	NA	8.00	2.00	27.80	NA	NA	NA	24.80	26.80	NA	NA	2.00
VAS-51	CME-750	SCHE03020469M2	8/15/2018	Still in use	Brown's Creek Protection	851.900	NS	NA	8.00	2.00	30.00	NA	NA	NA	27.00	29.00	NA	NA	2.00
VAS-52	CME-750	SCHE03020469M2	8/14/2018	Still in use	Brown's Creek Protection	851.970	NS	NA	8.00	2.00	34.50	NA	NA	NA	31.50	33.50	NA	NA	2.00
VAS-53	CME-750	SCHE03020469M2	8/14/2018	Still in use	Brown's Creek Protection	852.880	NS	NA	8.00	2.00	26.70	NA	NA	NA	23.70	25.70	NA	NA	2.00
VAS-54	Geoprobe 8040 HSA	SCHE03020469M2	8/13/2018	Still in use	Brown's Creek Protection	852.770	NS	NA	4.25	2.00	19.20	NA	NA	NA	16.20	18.20	NA	NA	2.00
VAS-55	CME-750	SCHE03020469M2	9/7/2018	Still in use	Cupboard Creek Protection	854.710	NS	NA	6.25	2.00	28.90	NA	NA	NA	25.90	27.90	NA	NA	2.00
VAS-56	CME-750	SCHE03020469M2	9/7/2018	Still in use	Cupboard Creek Protection	855.730	NS	NA	6.25	2.00	28.20	NA	NA	NA	25.20	27.20	NA	NA	2.00
VAS-57	CME-750	SCHE03020469M2	9/5/2018	Still in use	Cupboard Creek Protection	856.620	NS	NA	6.25	2.00	31.50	NA	NA	NA	28.50	30.50	NA	NA	2.00
VAS-58	CME-750	SCHE03020469M2	9/5/2018	Still in use	Cupboard Creek Protection	855.980	NS	NA	6.25	2.00	31.30	NA	NA	NA	28.30	30.30	NA	NA	2.00
VAS-59	CME-750	SCHE03020469M2	9/6/2018	Still in use	Cupboard Creek Protection	854.740	NS	NA	6.25	2.00	8.80	NA	NA	NA	6.80	8.80	NA	NA	2.00

Table 6. Well Construction Information
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft btoc)	Bore Hole Diameter (in)	Well Diameter (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft btoc)	Bottom of Screen or Open Borehole Interval (ft btoc)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
Vertical Bedrock Sparging Wells																			
VBS-01	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	38.15	4.00	2.00	38.50	NA	NA	NA	34.50	36.50	NA	NA	2.00
VBS-02	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	31.05	4.00	2.00	31.00	NA	NA	NA	27.00	29.00	NA	NA	2.00
VBS-03	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/27/2017	Still in use	Brown's Creek Protection	NS	NS	36.20	4.00	2.00	36.20	NA	NA	NA	32.20	34.20	NA	NA	2.00

Notes:
amsl = above mean sea level relative to North American Vertical Datum of 1988 (NAVD 88). Benchmark is 34.8289659 degrees north, 82.3710354 degrees west (North American Datum of 1983 [NAD 83], 2011), elevation 929.1 ft NAVD88.

bgs = below ground surface
btoc = below top of casing
DPT = direct-push technology
ft = feet
HSA = hollow-stem auger
ID = identification
in = inches
MW = monitoring well
NA = not applicable
NS = location not surveyed
RS = recovery sump
RT = recovery trench
RW = recovery well
TOC = top of casing
TW = temporary well
VAS = vertical air sparging well
VBS = vertical bedrock sparging well

Table 7. Analytical Results for Soil

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Sample ID	Sample Depth (ft)	Estimated Separation Distance[a] (ft)	Zone	Date Collected	Units	Analyte				
						Benzene	Ethylbenzene	Toluene	Total Xylenes[b]	Naphthalene
Soil samples collected less than 10 ft above groundwater elevation:										
MW-06B-15'-16'	15-16	0.4	Smear	9/5/2017	mg/kg	0.00358 U[c]	0.00358 U	0.00715 U	0.0107 U	0.0179 U
MW-09B-4'-5'	4-5	0.1	Smear	9/8/2017	mg/kg	**2.05**	**8.27**	**26.3**	**89.1**	**4.09**
MW-46-04'-05'	4-5	3.0	Smear	9/13/2017	mg/kg	0.00314 U[c]	0.00314 U	0.00628 U	0.00941 U	0.0157 U
MW-47-09'-11'	9-11	3.5	Smear	9/14/2017	mg/kg	0.00367 U[c]	0.00367 U	0.00734 U	0.011 U	0.0183 U
MW-48B-09'-11'	9-11	5.0	Smear	10/12/2017	mg/kg	0.00327 U[c]	0.00327 U	0.00654 U	0.0098 U	0.0163 U
MW-50B-14'-16'	14-16	4.2	Smear	10/6/2017	mg/kg	0.00334 U[c]	0.00334 U	0.00667 U	0.01 U	0.0167 U
MW-53-08'-09'	8-9	7.0	Smear	8/29/2018	mg/kg	0.00151 U	0.00377 U	0.00754 U	0.0098 U	0.0189 U
MW-54-08'-09'	8-9	8.5	Smear	8/30/2018	mg/kg	0.00131 U	0.00329 U	0.00657 U	0.00854 U	0.0164 U
MW-51-08'-10'	8-10	8.9	Smear	9/5/2018	mg/kg	0.00119 U	0.00296 U	0.00593 U	0.00771 U	0.0148 U
Ingestion/Dermal Contact RBSL[d]:					mg/kg	12	7,800	16,000	160,000	3,100
Leaching RBSL for < 10 ft separation distance[e]:					mg/kg	0.003	1.551	0.627	13.01	0.047
Soil samples collected between 10 and 15 ft above groundwater elevation:										
MW-49-04'-06'	4-6	13	Vadose	9/14/2017	mg/kg	0.00374 U	0.00374 U	0.00747 U	0.0112 U	0.0186 U
MW-49-04'-06'-FD	4-6	13	Vadose	9/14/2017	mg/kg	0.003 U	0.003 U	0.006 U	0.009 U	0.015 U
MW-52-03'-05'	3-5	12	Smear	9/4/2018	mg/kg	0.00116 U	0.0029 U	0.00579 U	0.00753 U	0.0145 U
Ingestion/Dermal Contact RBSL[d]:					mg/kg	12	7,800	16,000	160,000	3,100
Leaching RBSL for 10-15 ft separation distance[e]:					mg/kg	0.008	6.168	1.167	22.495	0.069
Soil samples collected at the surface										
MW-43B-01'-02'	1-2	<10	Vadose	10/18/2017	mg/kg	0.00306 U	0.00306 U	0.00613 U	0.0092 U	0.0153 U
MW-57-0.3'-0.8'-031219	0.3-0.8	<10	Smear	3/12/2019	mg/kg	0.0011 U	0.00275 U	0.00551 U	0.00716 U	0.0138 U
MW-57-0.3'-0.8'-031219-DUP	0.3-0.8	<10	Smear	3/12/2019	mg/kg	0.0011 U	0.00275 U	0.00551 U	0.00716 U	0.0138 U
SS-01-071819	0-2	<10	Smear	7/18/2019	mg/kg	0.00128U	0.00321 U	0.00642 U	0.00834 U	0.016 U
SS-02-071819	0-2	<10	Smear	7/18/2019	mg/kg	**0.529**	**0.637**	**0.0555**	**10.7**	**1.48**
SS-03-071819	0-2	<10	Smear	7/18/2019	mg/kg	**0.385**	**0.349**	**0.0255**	**2.66**	**0.0846**
SS-04-071819	0-2	<10	Smear	7/18/2019	mg/kg	**0.00454**	**0.00625**	0.00685 U	**0.0278**	0.0171 U
SB-38B-0.5-1.0-040820	0.5-1.0	<10	Vadose	4/8/2020	mg/kg	0.00125 U	0.00311 U	0.00623 U	0.00809 U	0.0156 U
SB-38B-0.5-1.0DUP-040820	0.5-1.0	<10	Vadose	4/8/2020	mg/kg	0.00121 U	0.00303 U	0.00607 U	0.00789 U	0.0152 U
RBSL for Surficial Soil[d]:					mg/kg	12	7,800	16,000	160,000	3,100
Leaching RBSL for < 10 ft separation distance[e]:					mg/kg	0.003	1.551	0.627	13.01	0.047

Table 7. Analytical Results for Soil

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Sample ID	Sample Depth (ft)	Estimated Separation Distance[a] (ft)	Zone	Date Collected	Units	Analyte				
						Benzene	Ethylbenzene	Toluene	Total Xylenes[b]	Naphthalene

Notes:

[a] Estimated separation distance is the difference of the depth to water below ground surface measured on 9/10/17 and the bottom depth of the sample interval.

[b] Total xylenes is the sum of m&p-xylenes and o-xylene.

[c] The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit cannot be determined.

[d] RBSL = risk-based screening levels identified in DHEC Underground Storage Tank (UST) Management Division Programmatic Quality Assurance Program Plan (QAPP), Revision 2, Table C5 "RBSLs for Ingestion or Dermal Contact with Surficial Soil," April 2013. Note RBSL applied to potential exposure of workers.

[e] RBSLs identified in DHEC UST QAPP, Rev. 2, Table C3 "RBSLs for Clay-rich Soil," April 2013.

Samples analyzed by EPA Method SW8260B.

Bold indicates the analyte was detected.

Gray shading indicates the analyte exceeded Leaching RBSLs.

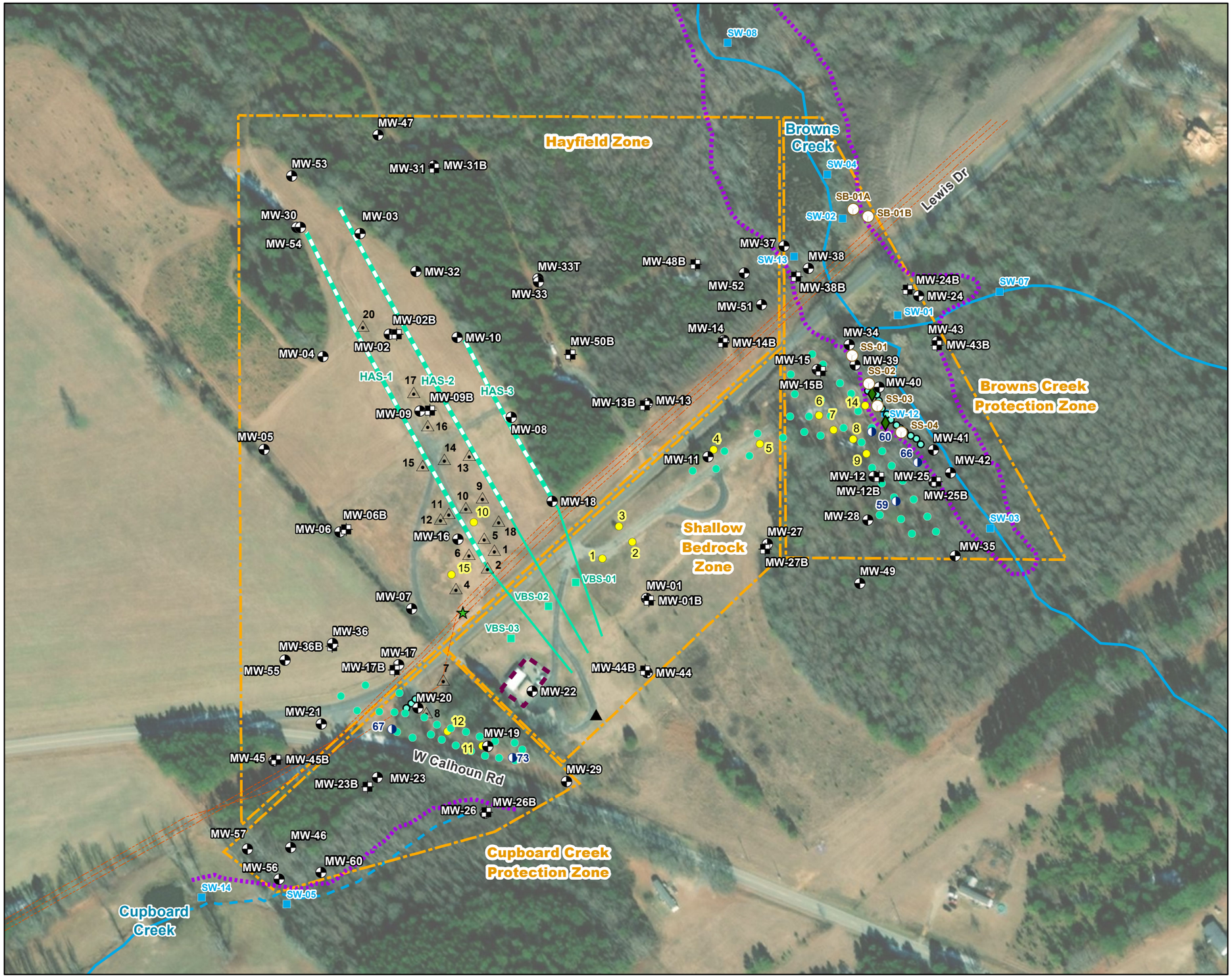
BTEX = benzene, toluene, ethylbenzene, and xylenes

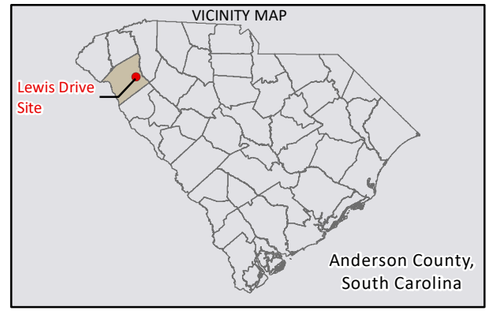
ft = feet

mg/kg = milligram(s) per kilogram

U = analyte was not detected above the reported sample quantitation limit

Figures





LEGEND

- Release Point
- Residuum Monitoring Well
- Bedrock Monitoring Well
- Piezometer
- Recovery Sump
- Soil Boring Location
- Recovery Trench Point
- Recovery Well (4-inch diameter)
- Surface Water Sampling Location
- Septic Tank
- Seep Location
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Pipeline
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- Waterbody
- Intermittent Stream
- Inspection Route for Sheen or Distressed Vegetation
- AS System Compound
- Remediation Zone

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

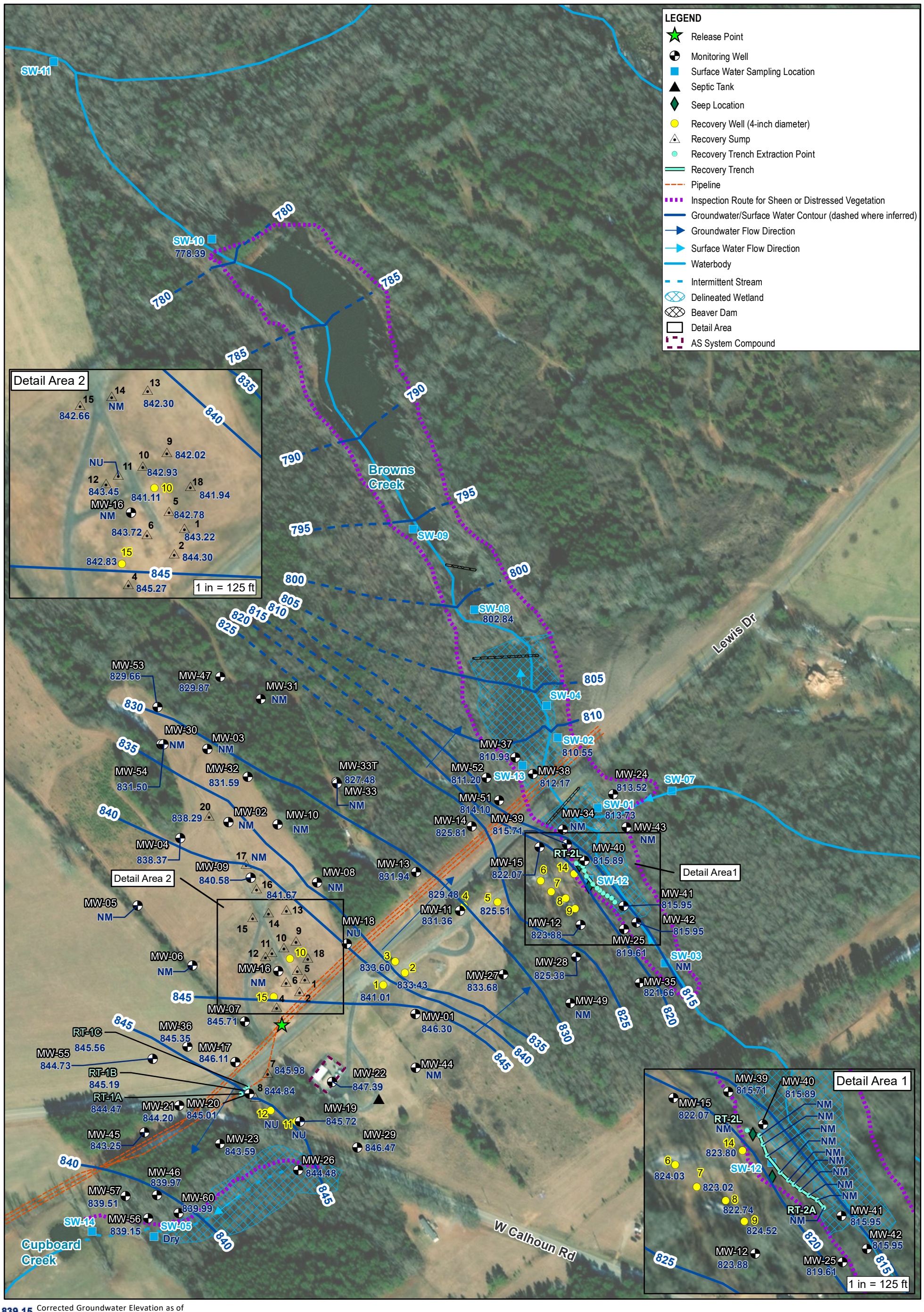
N

0 200 400

Scale in feet

Figure 1. Site Overview
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs



839.15 Corrected Groundwater Elevation as of 7/6/2020 in feet above mean sea level

Dry Well was dry at time of gauging

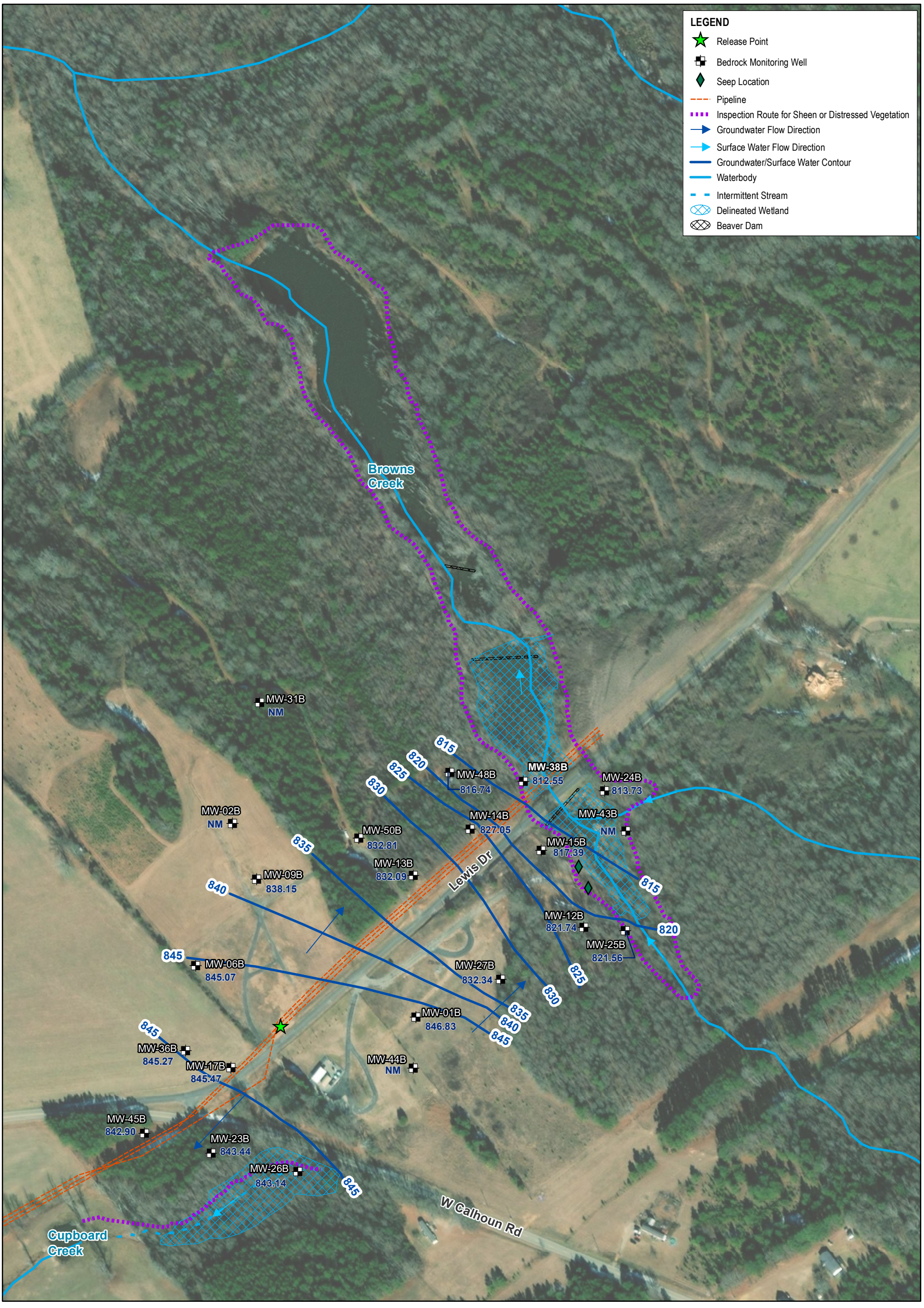
NM Not measured based on revised gauging schedule

NU Not Used. The water level was not used for creation of the potentiometric surface map due to air sparge system influence at the well location.

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS), National Hydrography Dataset (NHD)

Figure 2A. Residuum Groundwater and Surface Water Elevation Map
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs



832.34 Corrected Groundwater Elevation as of 7/6/2020 in feet above mean sea level

NM Not measured during this sampling event

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

N

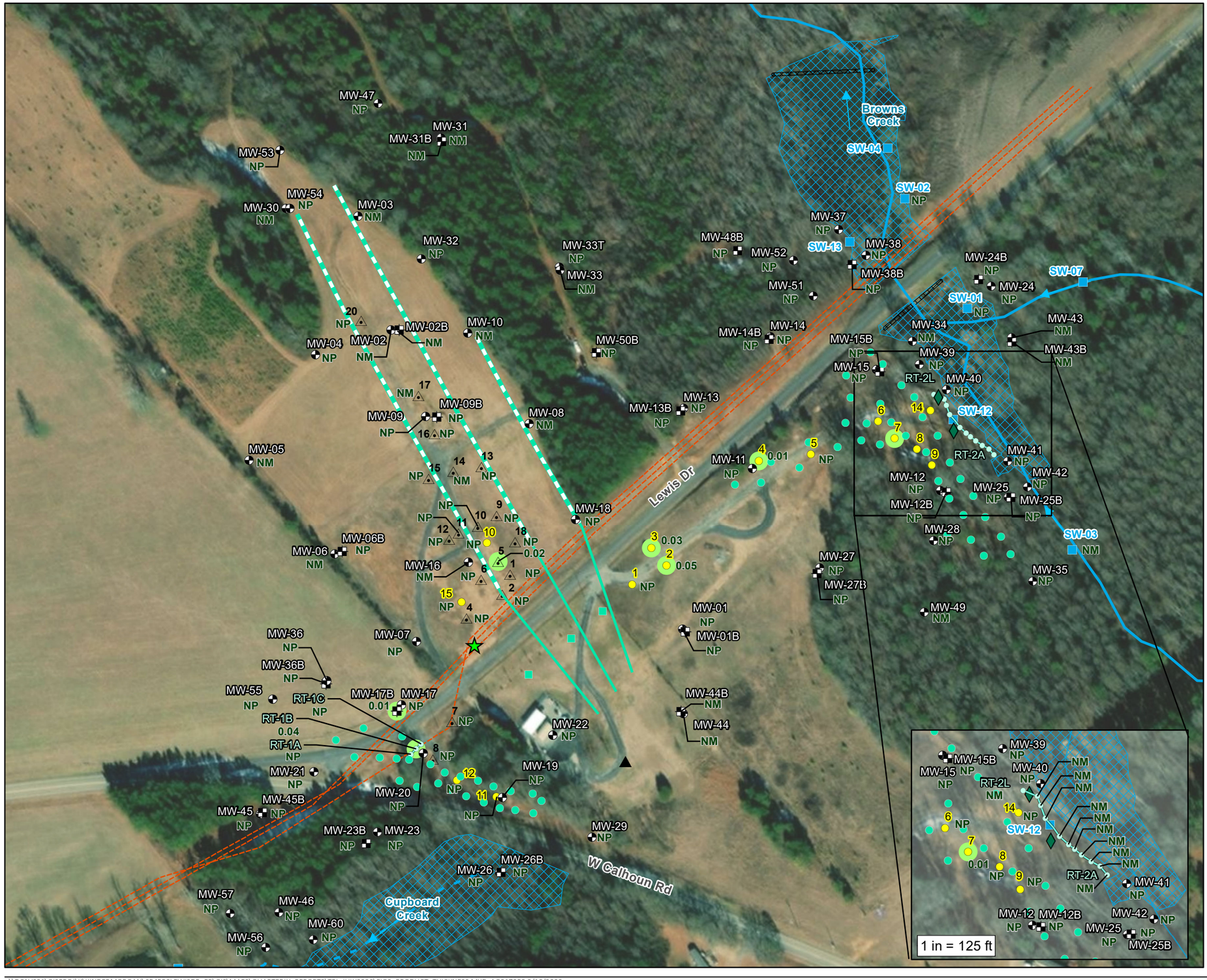
0 250 500

Scale in Feet

Figure 2B. Bedrock Groundwater Elevation Map
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs

\\DC1VS01\GISPROJ\K\KINDERMORGAN\654558LEWISDR_ER\GIS\MAPS\QUARTERLY_REPORTS\TRI_JULY2020\FIG2B_BEDROCK_GW_ELEV.MXD AG017958 9/2/2020



LEGEND

- Release Point
- Monitoring Well
- Bedrock Monitoring Well
- Seep Location
- Recovery Sump
- Recovery Well (4-inch diameter)
- Well Contains Product as of 7/6/2020
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Surface Water Sampling Location
- Septic Tank
- Recovery Trench Extraction Point
- Recovery Trench
- Surface Water Flow Direction
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- Pipeline
- Waterbody
- Intermittent Stream
- Delineated Wetland
- Beaver Dam
- Detail Area

0.02 Product thickness in feet as of 7/6/2020

NP No product detected

NM Not measured

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

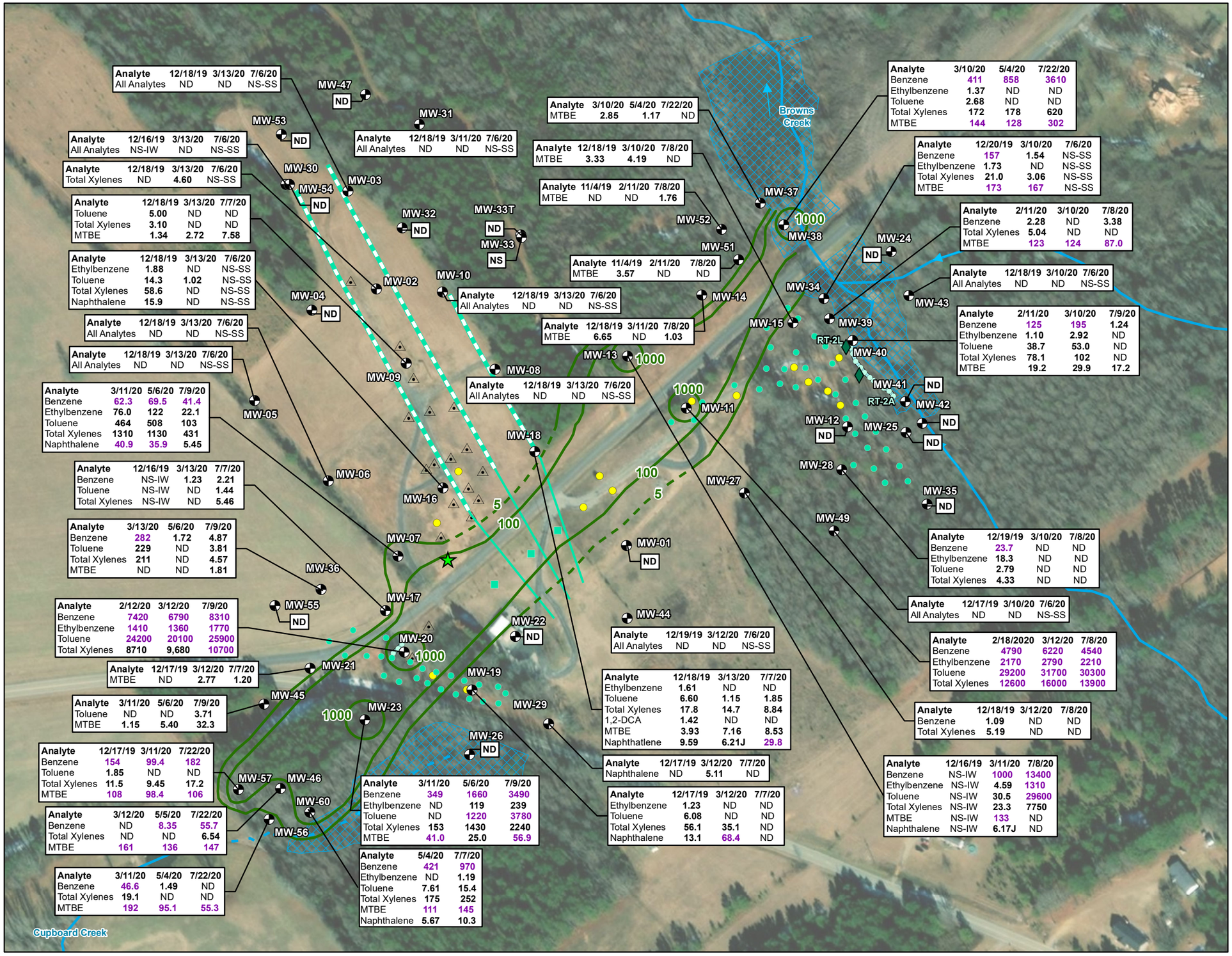
N

0 175 350

Scale in Feet

Figure 3. Site Features with Measurable Product
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs



Analyte	12/18/19	3/13/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	12/16/19	3/13/20	7/6/20
All Analytes	NS-IW	ND	NS-SS

Analyte	12/18/19	3/13/20	7/6/20
Total Xylenes	ND	4.60	NS-SS

Analyte	12/18/19	3/13/20	7/7/20
Toluene	5.00	ND	ND
Total Xylenes	3.10	ND	ND
MTBE	1.34	2.72	7.58

Analyte	12/18/19	3/13/20	7/6/20
Ethylbenzene	1.88	ND	NS-SS
Toluene	14.3	1.02	NS-SS
Total Xylenes	58.6	ND	NS-SS
Naphthalene	15.9	ND	NS-SS

Analyte	12/18/19	3/13/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	12/18/19	3/13/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	3/11/20	5/6/20	7/9/20
Benzene	62.3	69.5	41.4
Ethylbenzene	76.0	122	22.1
Toluene	464	508	103
Total Xylenes	1310	1130	431
Naphthalene	40.9	35.9	5.45

Analyte	12/16/19	3/13/20	7/7/20
Benzene	NS-IW	1.23	2.21
Toluene	NS-IW	ND	1.44
Total Xylenes	NS-IW	ND	5.46

Analyte	3/13/20	5/6/20	7/9/20
Benzene	282	1.72	4.87
Toluene	229	ND	3.81
Total Xylenes	211	ND	4.57
MTBE	ND	ND	1.81

Analyte	2/12/20	3/12/20	7/9/20
Benzene	7420	6790	8310
Ethylbenzene	1410	1360	1770
Toluene	24200	20100	25900
Total Xylenes	8710	9,680	10700

Analyte	12/17/19	3/12/20	7/7/20
MTBE	ND	2.77	1.20

Analyte	3/11/20	5/6/20	7/9/20
Toluene	ND	ND	3.71
MTBE	1.15	5.40	32.3

Analyte	12/17/19	3/11/20	7/22/20
Benzene	154	99.4	182
Toluene	1.85	ND	ND
Total Xylenes	11.5	9.45	17.2
MTBE	108	98.4	106

Analyte	3/12/20	5/5/20	7/22/20
Benzene	ND	8.35	55.7
Total Xylenes	ND	ND	6.54
MTBE	161	136	147

Analyte	3/11/20	5/4/20	7/22/20
Benzene	46.6	1.49	ND
Total Xylenes	19.1	ND	ND
MTBE	192	95.1	55.3

Analyte	3/10/20	5/4/20	7/22/20
MTBE	2.85	1.17	ND

Analyte	12/18/19	3/11/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	12/18/19	3/10/20	7/8/20
MTBE	3.33	4.19	ND

Analyte	11/4/19	2/11/20	7/8/20
MTBE	ND	ND	1.76

Analyte	11/4/19	2/11/20	7/8/20
MTBE	3.57	ND	ND

Analyte	12/18/19	3/13/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	12/18/19	3/11/20	7/8/20
MTBE	6.65	ND	1.03

Analyte	12/18/19	3/13/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	3/11/20	5/6/20	7/9/20
Benzene	349	1660	3490
Ethylbenzene	ND	119	239
Toluene	ND	1220	3780
Total Xylenes	153	1430	2240
MTBE	41.0	25.0	56.9

Analyte	5/4/20	7/7/20
Benzene	421	970
Ethylbenzene	ND	1.19
Toluene	7.61	15.4
Total Xylenes	175	252
MTBE	111	145
Naphthalene	5.67	10.3

Analyte	12/19/19	3/12/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	12/18/19	3/13/20	7/7/20
Ethylbenzene	1.61	ND	ND
Toluene	6.60	1.15	1.85
Total Xylenes	17.8	14.7	8.84
1,2-DCA	1.42	ND	ND
MTBE	3.93	7.16	8.53
Naphthatlene	9.59	6.21J	29.8

Analyte	12/17/19	3/12/20	7/7/20
Naphthalene	ND	5.11	ND

Analyte	12/17/19	3/12/20	7/7/20
Ethylbenzene	1.23	ND	ND
Toluene	6.08	ND	ND
Total Xylenes	56.1	35.1	ND
Naphthalene	13.1	68.4	ND

Analyte	3/10/20	5/4/20	7/22/20
Benzene	411	858	3610
Ethylbenzene	1.37	ND	ND
Toluene	2.68	ND	ND
Total Xylenes	172	178	620
MTBE	144	128	302

Analyte	12/20/19	3/10/20	7/6/20
Benzene	157	1.54	NS-SS
Ethylbenzene	1.73	ND	NS-SS
Total Xylenes	21.0	3.06	NS-SS
MTBE	173	167	NS-SS

Analyte	2/11/20	3/10/20	7/8/20
Benzene	2.28	ND	3.38
Total Xylenes	5.04	ND	ND
MTBE	123	124	87.0

Analyte	12/18/19	3/10/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	2/11/20	3/10/20	7/9/20
Benzene	125	195	1.24
Ethylbenzene	1.10	2.92	ND
Toluene	38.7	53.0	ND
Total Xylenes	78.1	102	ND
MTBE	19.2	29.9	17.2

Analyte	12/19/19	3/10/20	7/8/20
Benzene	23.7	ND	ND
Ethylbenzene	18.3	ND	ND
Toluene	2.79	ND	ND
Total Xylenes	4.33	ND	ND

Analyte	12/17/19	3/10/20	7/6/20
All Analytes	ND	ND	NS-SS

Analyte	2/18/2020	3/12/20	7/8/20
Benzene	4790	6220	4540
Ethylbenzene	2170	2790	2210
Toluene	29200	31700	30300
Total Xylenes	12600	16000	13900

Analyte	12/18/19	3/12/20	7/8/20
Benzene	1.09	ND	ND
Total Xylenes	5.19	ND	ND

Analyte	12/16/19	3/11/20	7/8/20
Benzene	NS-IW	1000	13400
Ethylbenzene	NS-IW	4.59	1310
Toluene	NS-IW	30.5	29600
Total Xylenes	NS-IW	23.3	7750
MTBE	NS-IW	133	ND
Naphthalene	NS-IW	6.17J	ND

LEGEND

- Release Point
- Residuum Monitoring Well
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Seep Location
- Recovery Well (4-inch diameter)
- Recovery Sump
- Recovery Trench Point
- Recovery Trench
- Surface Water Flow Direction
- Dissolved Benzene Plume Extent as of July 2020 (µg/L) (dashed where inferred)
- Waterbody
- Intermittent Stream
- Delineated Wetland

NOTES:
1. Total Xylenes is the sum of m&p xylenes and o-xylene.
2. MTBE = Methyl Tertiary Butyl Ether
3. 1,2-DCA = 1,2-dichloroethane
4. Analyte concentration in microgram(s) per liter (µg/L)
5. Only detected analytes are shown on map.
6. ND = Groundwater was collected and analyzed, but no analytes were detected above the reported sample quantitation limit.
7. NS = Not scheduled to be sampled for this event
8. NS-FP = Sample not collected due to the presence of free product in the well.
9. NS-IW = Sample not collected due to insufficient volume of water in well.
10. NS-SS = sample not collected based on revised sampling schedule.

Purple indicates the analyte exceeded risk-based screening levels (RBSLs) identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan Revision 3.1, Table D1 "RBSLs for Groundwater", February 2016.

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

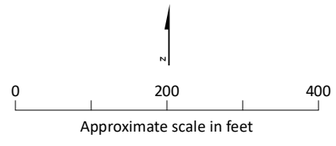
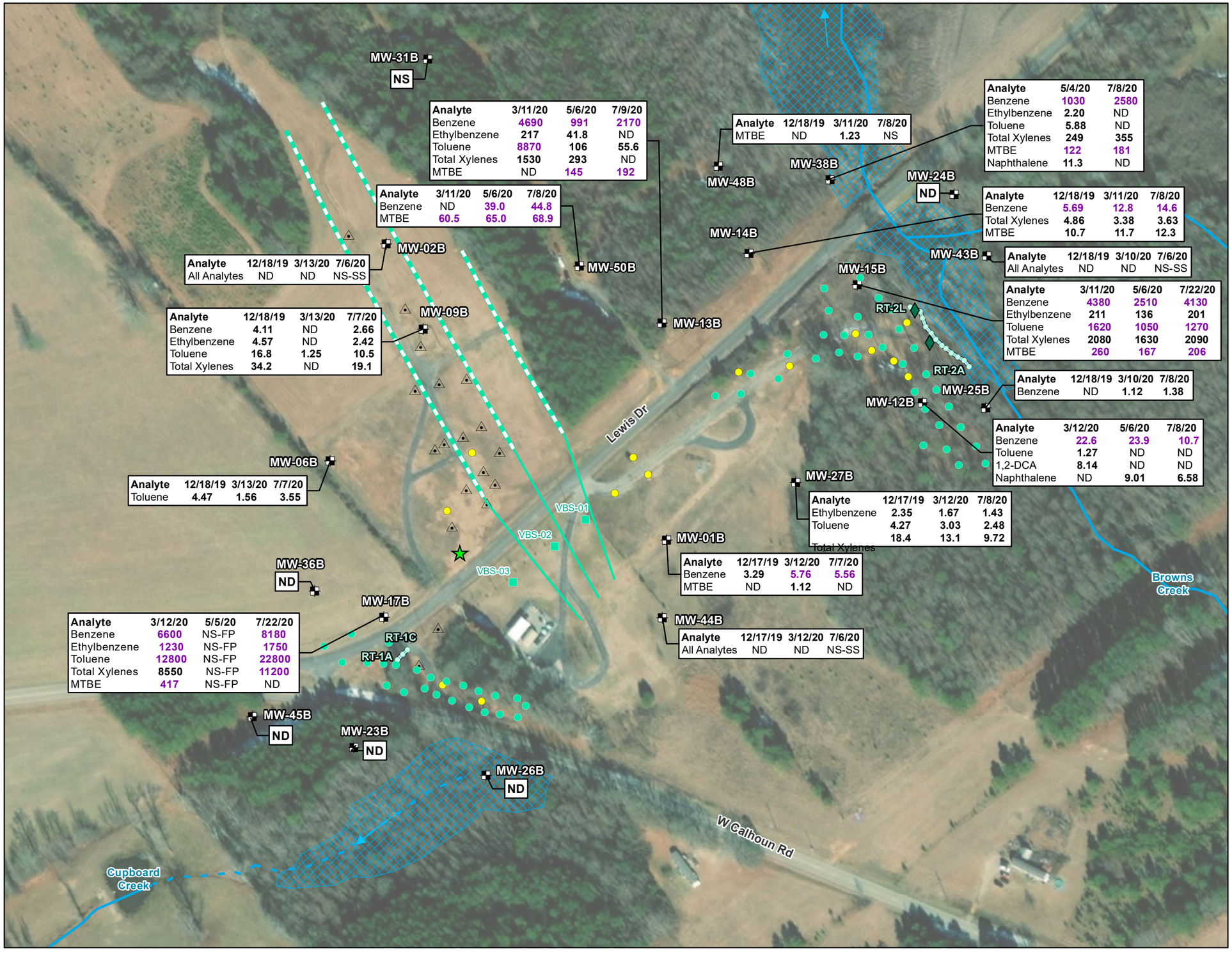


Figure 4A. Groundwater Analytical Results in Residuum Aquifer, December 2019 through July 2020
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs



LEGEND

- Release Point
- Bedrock Monitoring Well
- Vertical Bedrock Sparing Well
- Vertical Saprolite Sparing Well
- Seep Location
- Recovery Well (4-inch diameter)
- Recovery Sump
- Recovery Trench Point
- Recovery Trench
- Surface Water Flow Direction
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- Waterbody
- Intermittent Stream
- Delineated Wetland

NOTES:
1. Total Xylenes is the sum of m&p xylenes and o-xylene.
2. MTBE = Methyl Tertiary Butyl Ether
3. Analyte concentration in microgram(s) per liter (µg/L)
4. Only detected analytes are shown on map.
5. ND = Groundwater was collected and analyzed, but no analytes were detected above the reported sample quantitation limit.
6. NS = Not scheduled to be sampled for this event
7. NS-SS = sample not collected based on revised sampling schedule.
8. NS-FP = sample not collected due to the presence of free product in the well

Purple indicates the analyte exceeded risk-based screening levels (RBSLs) identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan Revision 3.1, Table D1 "RBSLs for Groundwater", February 2016.

Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

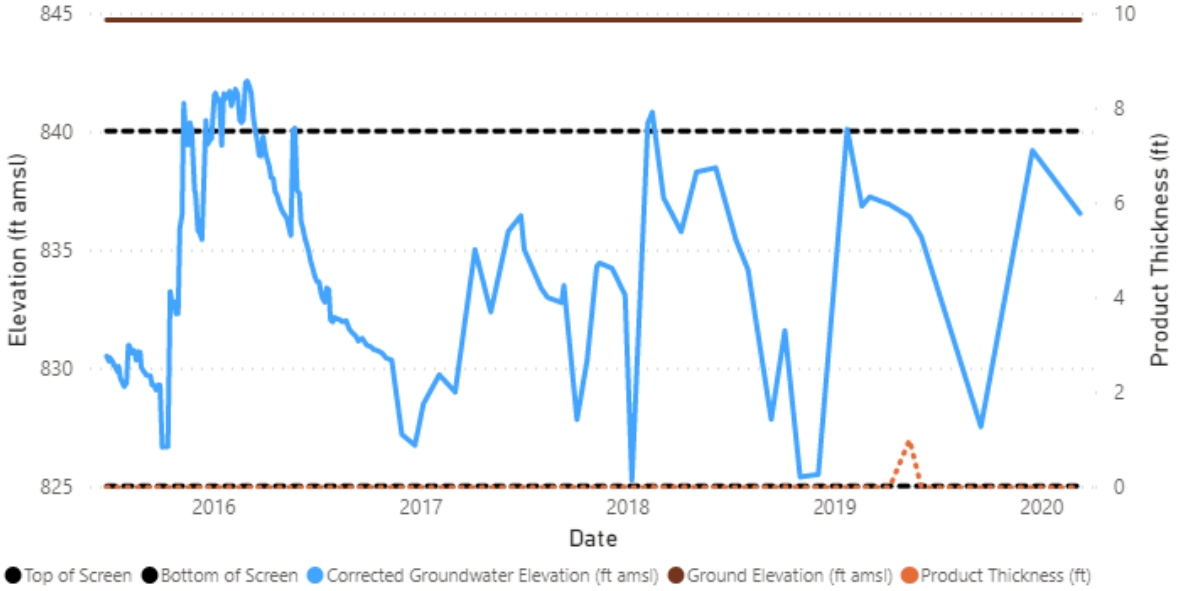
0 175 350
Approximate scale in feet

Figure 4B. Groundwater Analytical Results in Bedrock Aquifer, December 2019 through July 2020
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Jacobs

Attachment A
Product Thickness Trends

MW-08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825
Elevation (ft amsl)
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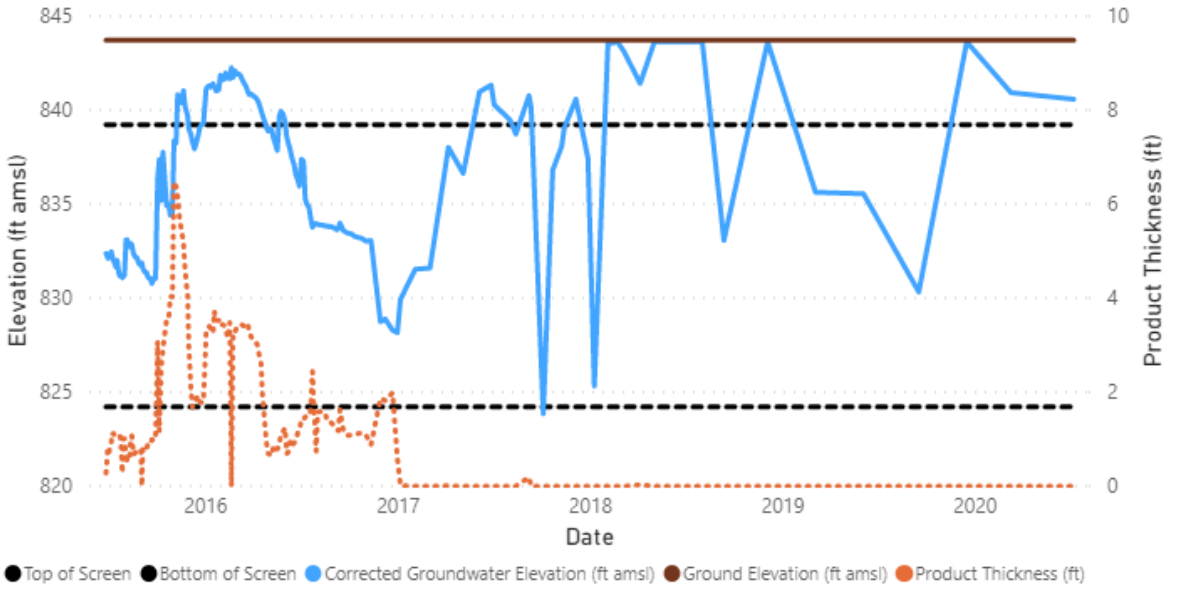
4
2
0
Product Thickness (ft)
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

MW-09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Bottom of Screen
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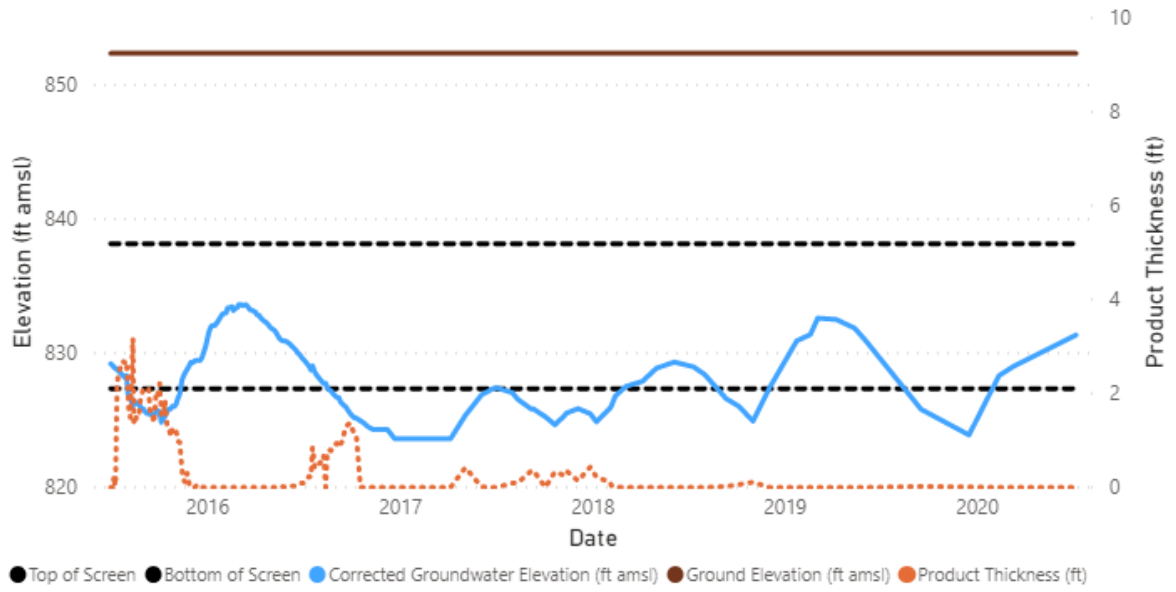
Ground Elevation (ft amsl)
Product Thickness (ft)

MW-11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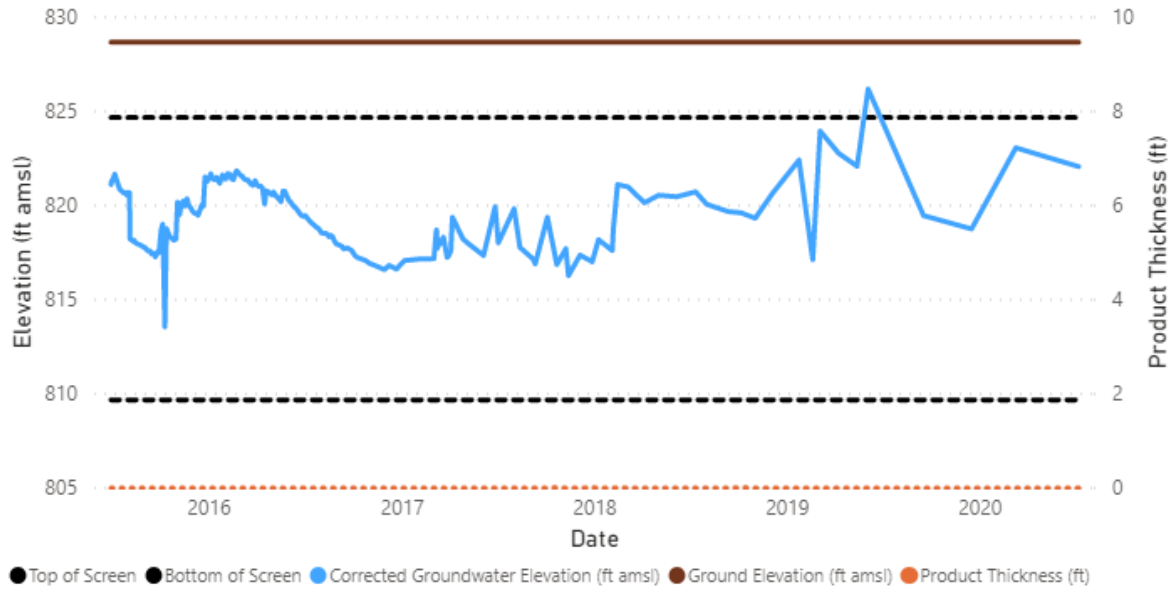
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

MW-15


Elevation (ft amsl)
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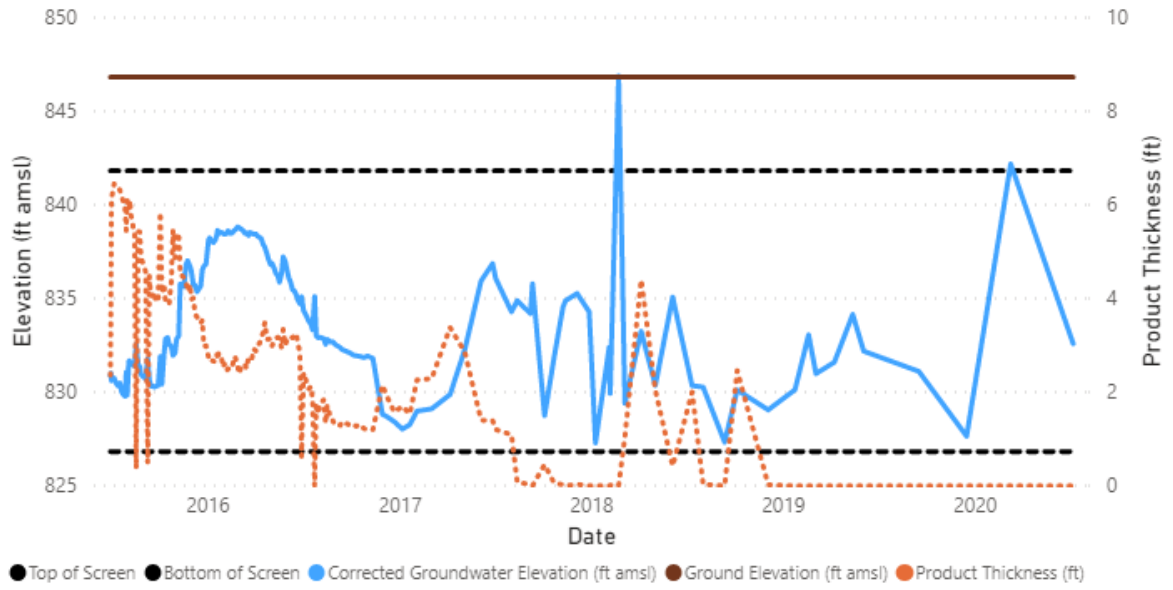
Product Thickness (ft)
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

MW-18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Elevation (ft amsl)
Product Thickness (ft)
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2020
Date
Top of Screen
Bottom of Screen
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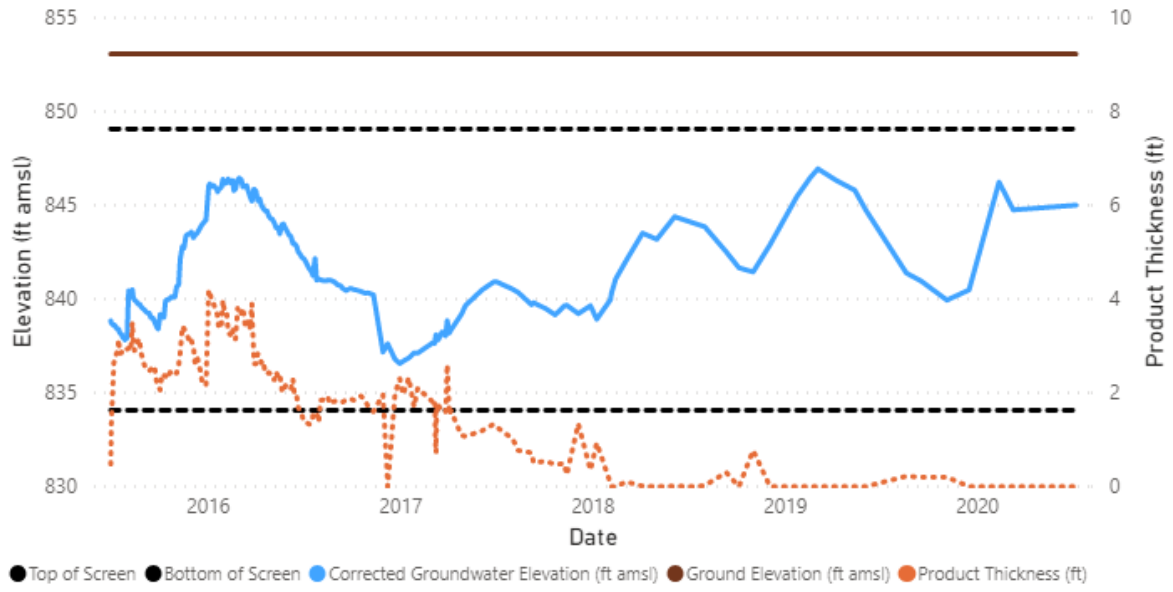
Ground Elevation (ft amsl)
Product Thickness (ft)

MW-20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Elevation (ft amsl)
Product Thickness (ft)
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Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

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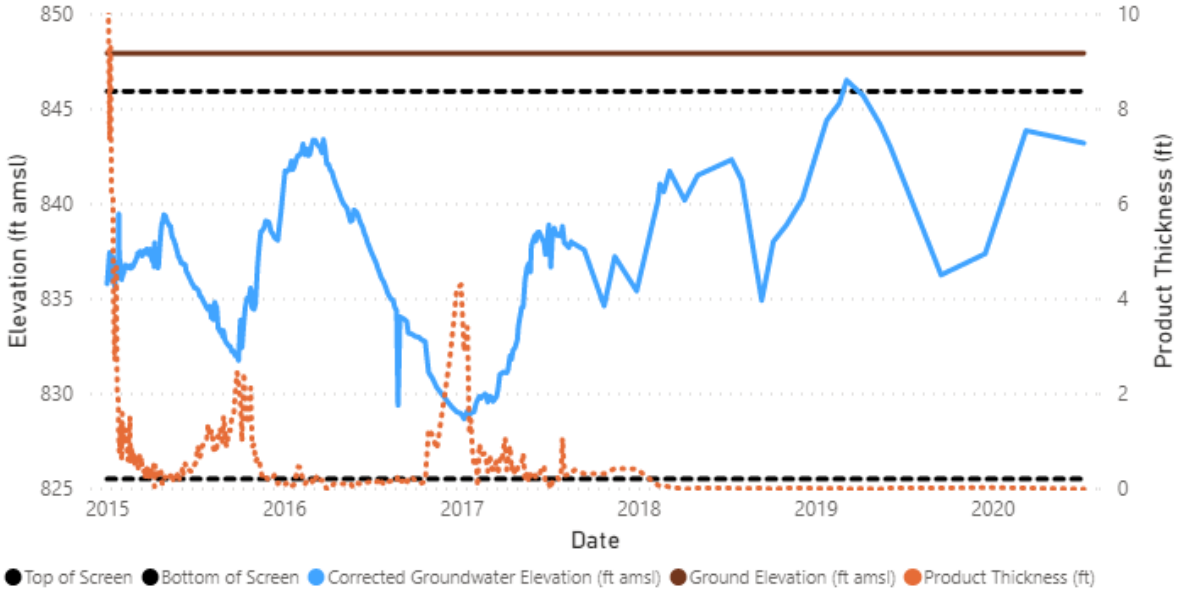
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Product Thickness (ft)
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Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

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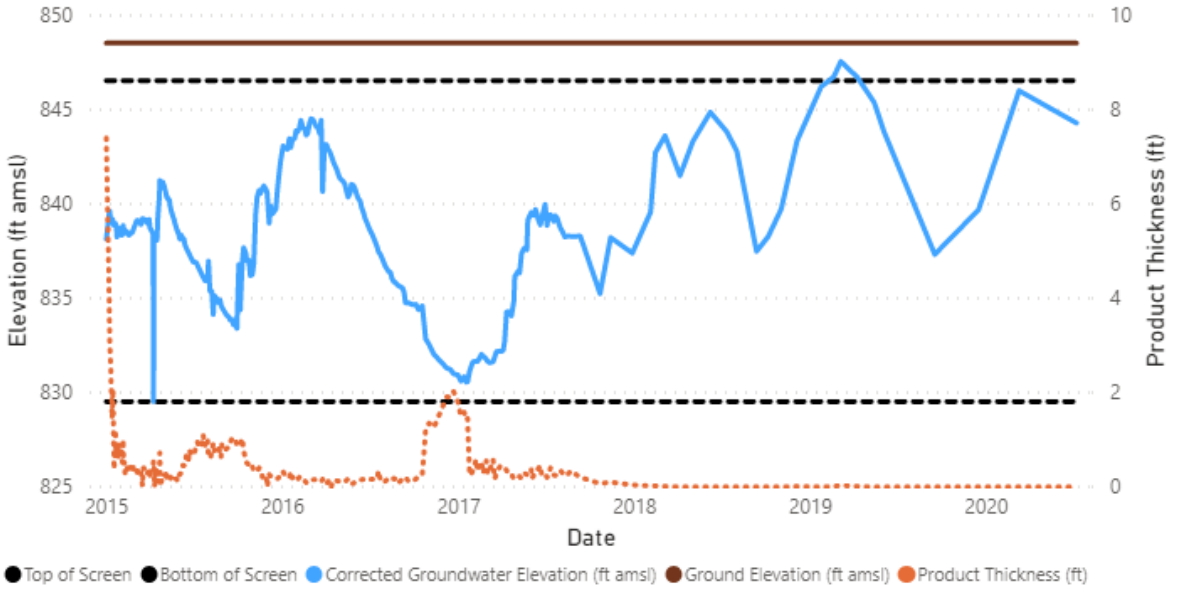
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Elevation (ft amsl)
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Product Thickness (ft)
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Date
Top of Screen
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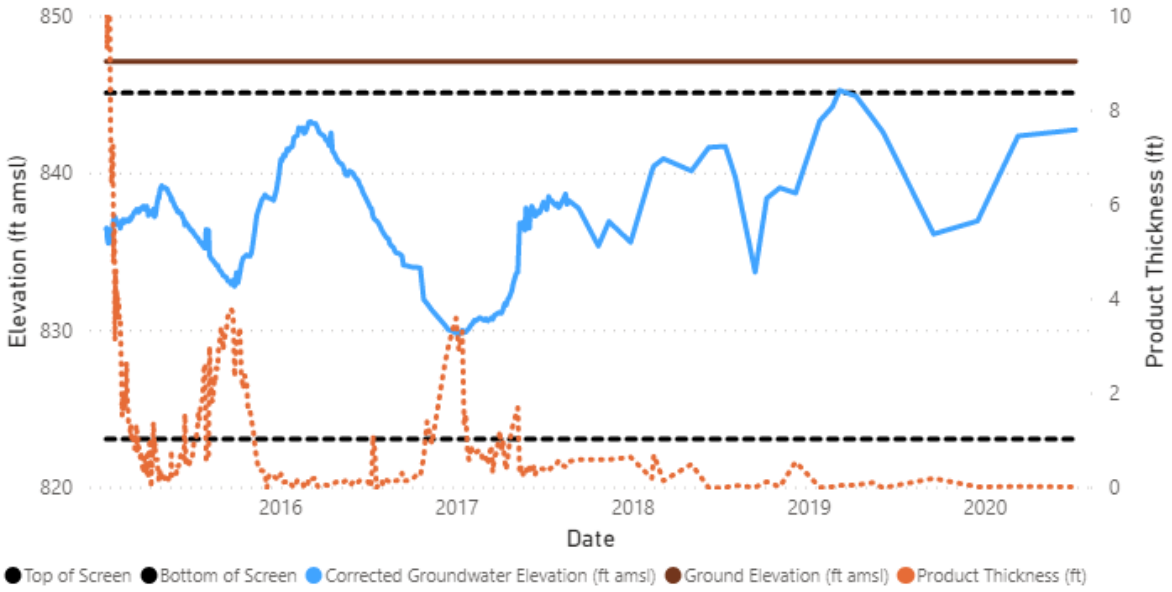
Ground Elevation (ft amsl)
Product Thickness (ft)

RS-05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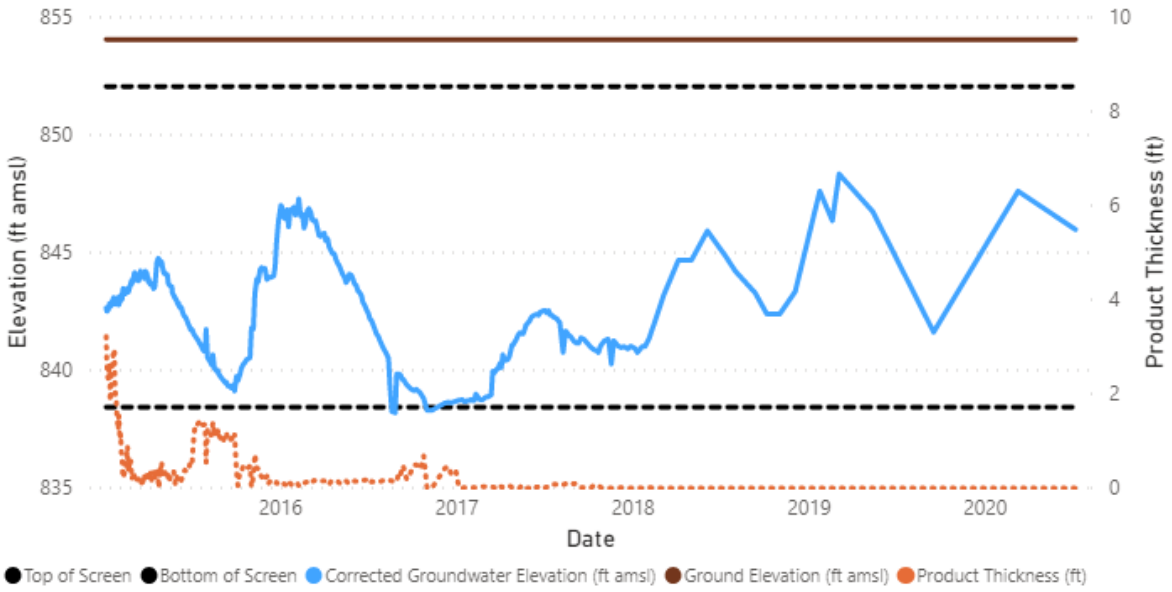
Ground Elevation (ft amsl)
Product Thickness (ft)

RS-07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Elevation (ft amsl)
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Product Thickness (ft)
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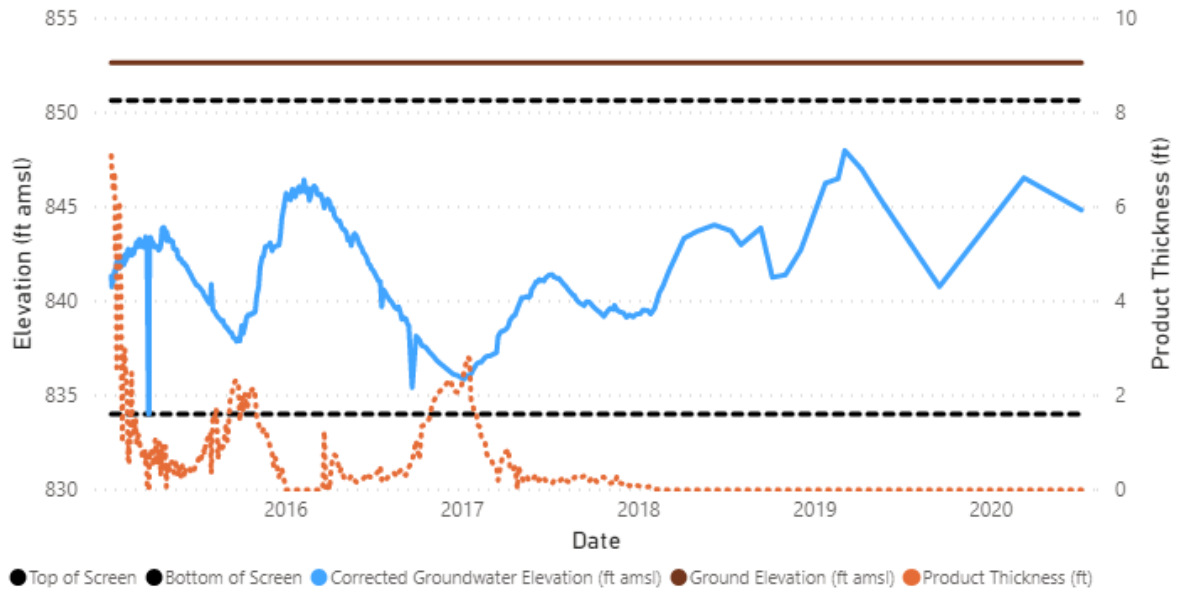
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RS-08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Elevation (ft amsl)
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Product Thickness (ft)
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Ground Elevation (ft amsl)
Product Thickness (ft)

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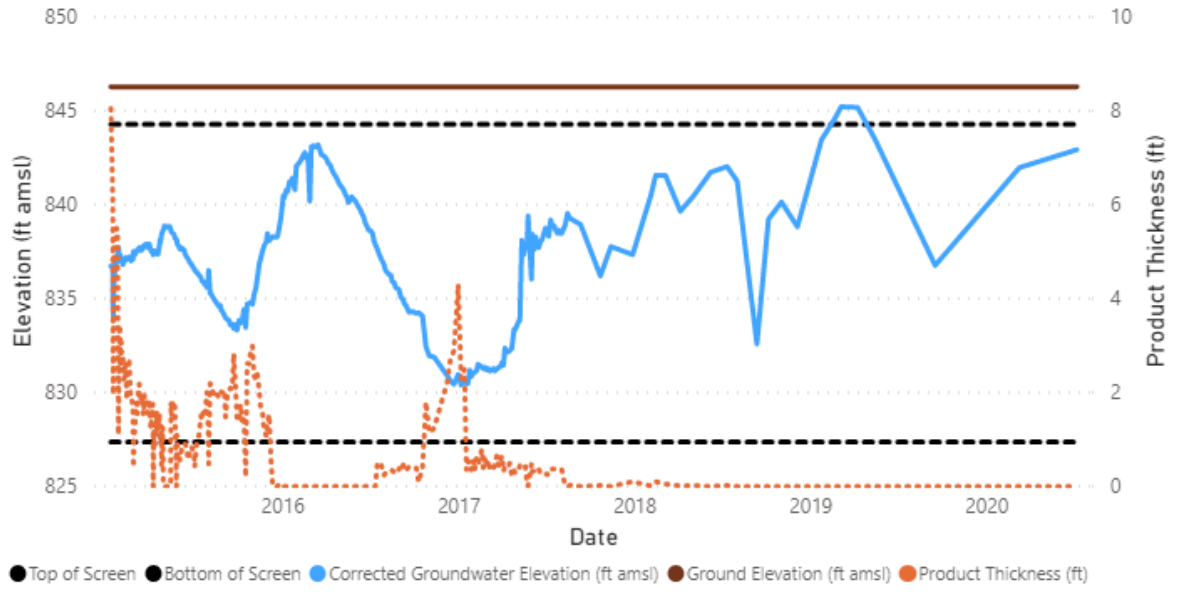
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Elevation (ft amsl)
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Product Thickness (ft)
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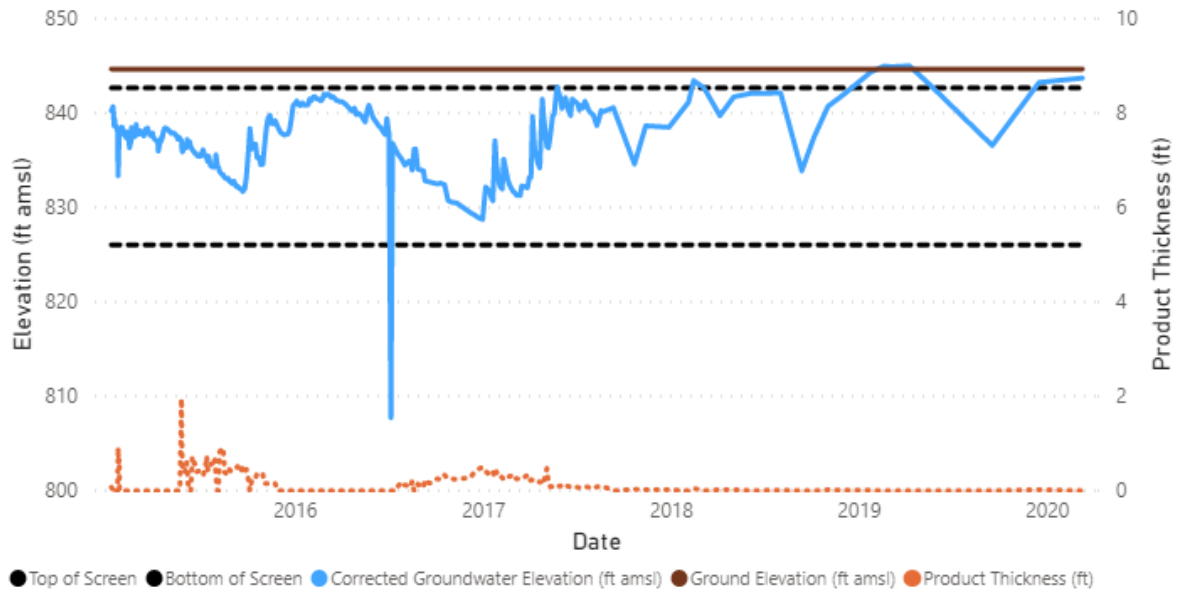
Ground Elevation (ft amsl)
Product Thickness (ft)

RS-14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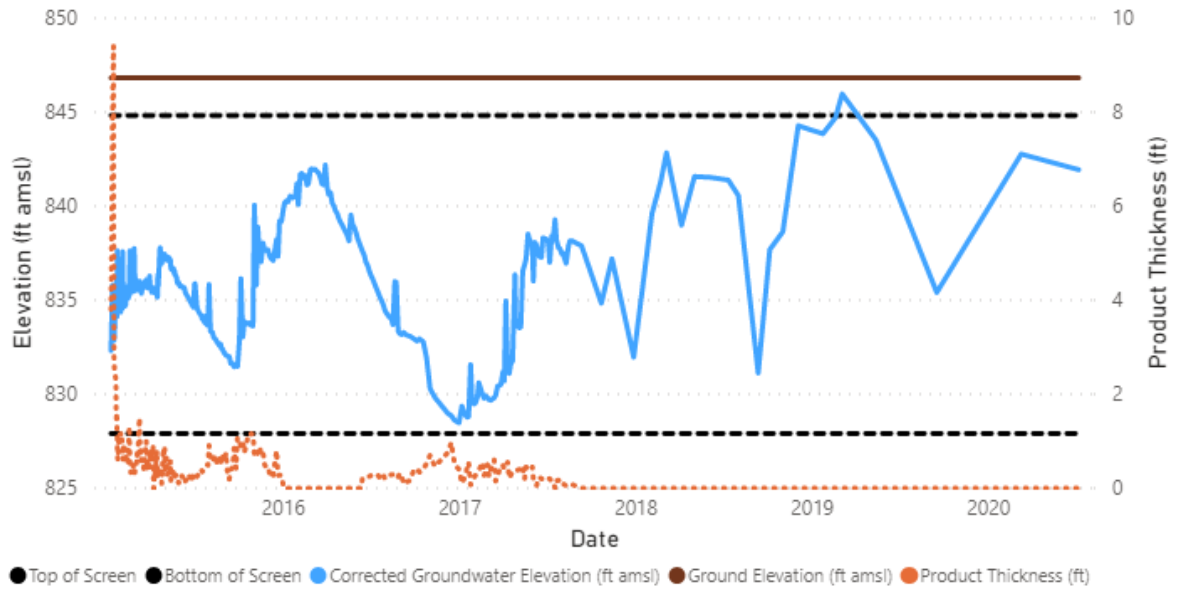
Product Thickness (ft)

RS-18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Product Thickness (ft)
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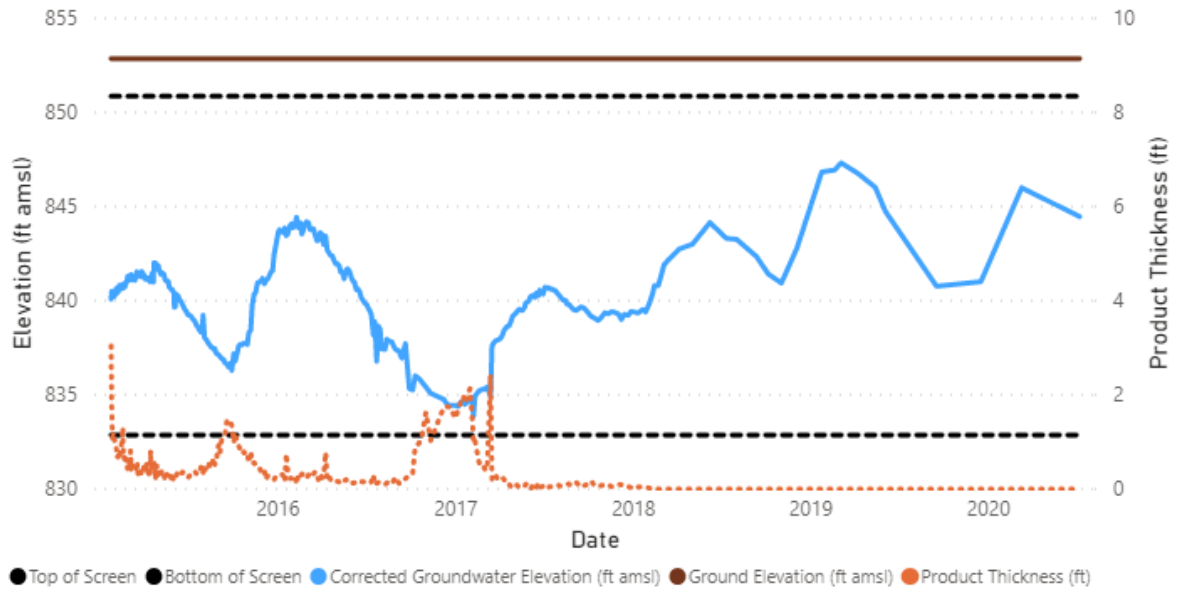
Product Thickness (ft)

RT-1A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Product Thickness (ft)
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Product Thickness (ft)

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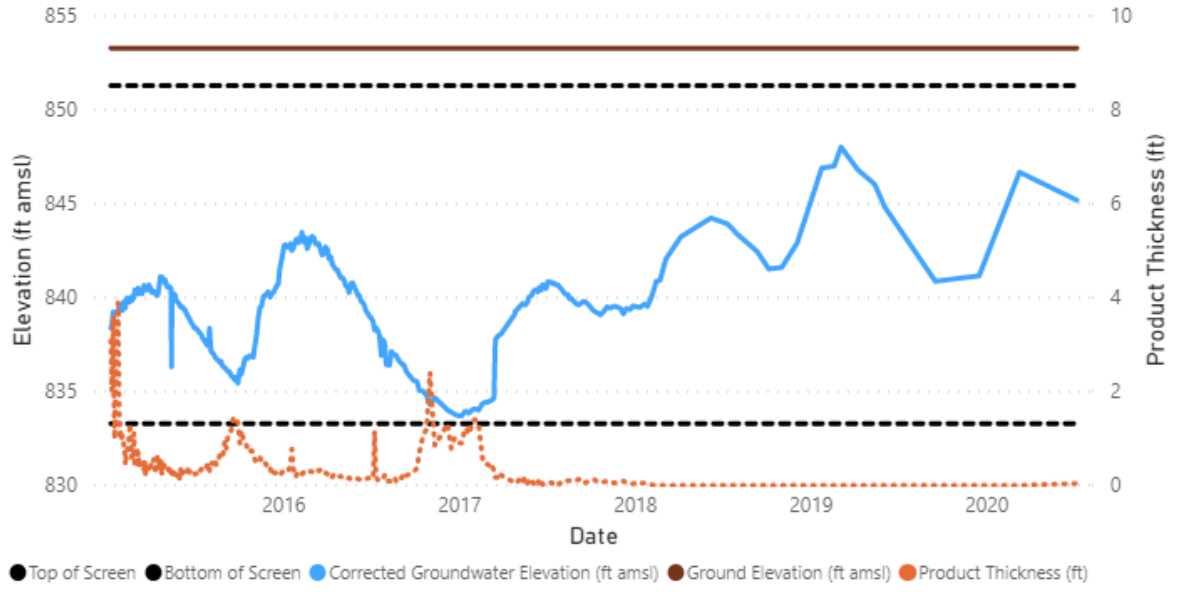
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Ground Elevation (ft amsl)
Product Thickness (ft)

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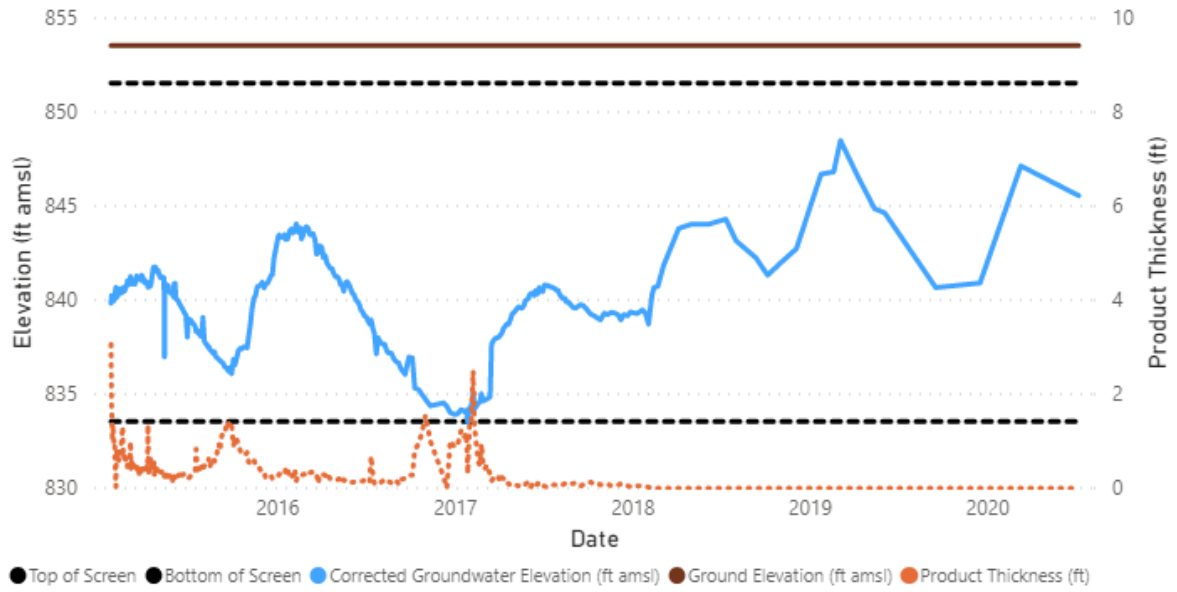
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Product Thickness (ft)
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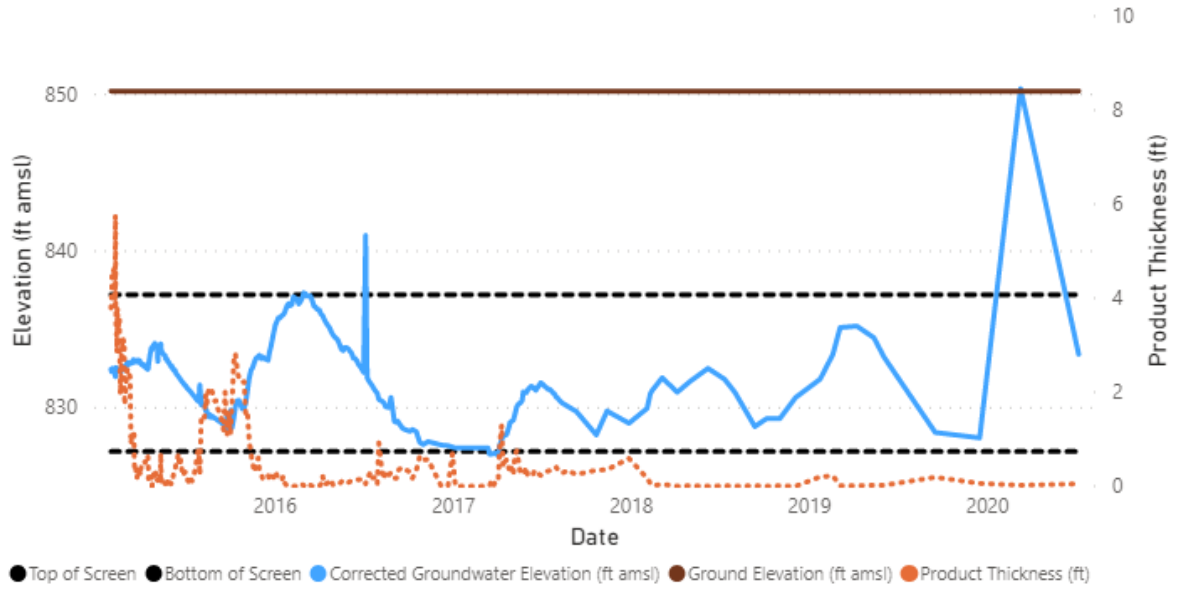
Product Thickness (ft)

RW-02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Product Thickness (ft)
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Product Thickness (ft)

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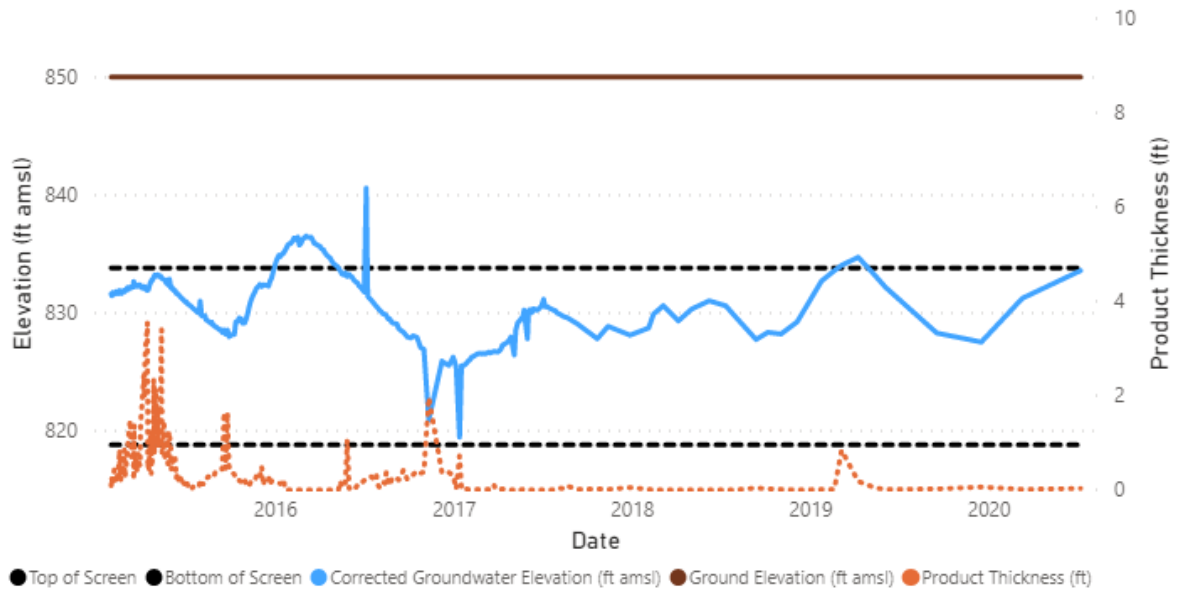
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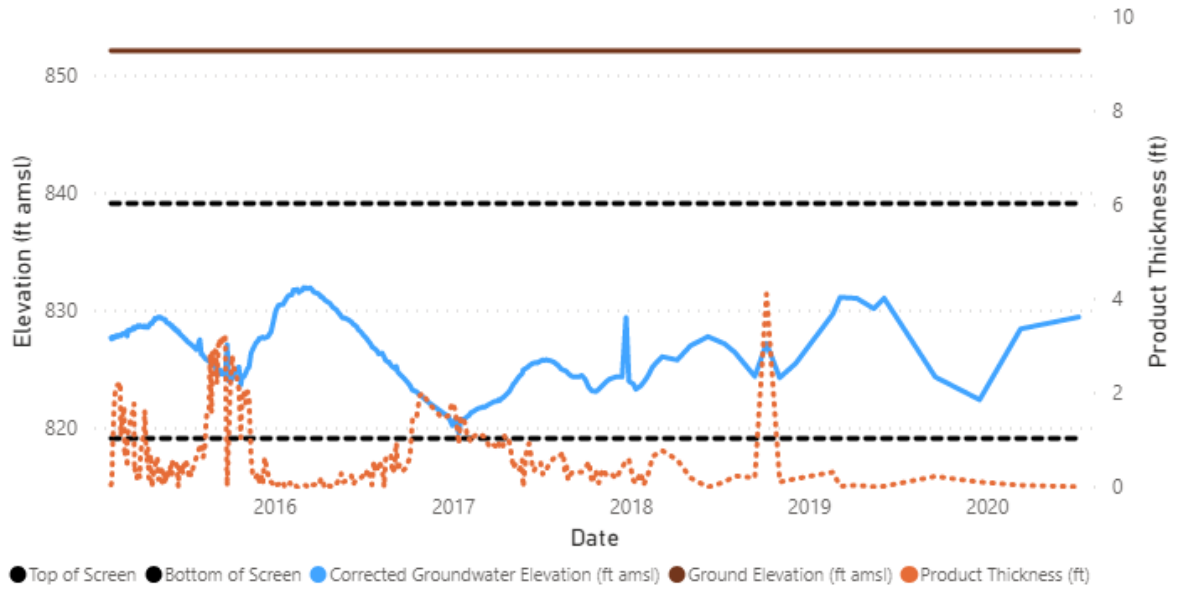
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-04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Product Thickness (ft)
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Date
Top of Screen
Bottom of Screen
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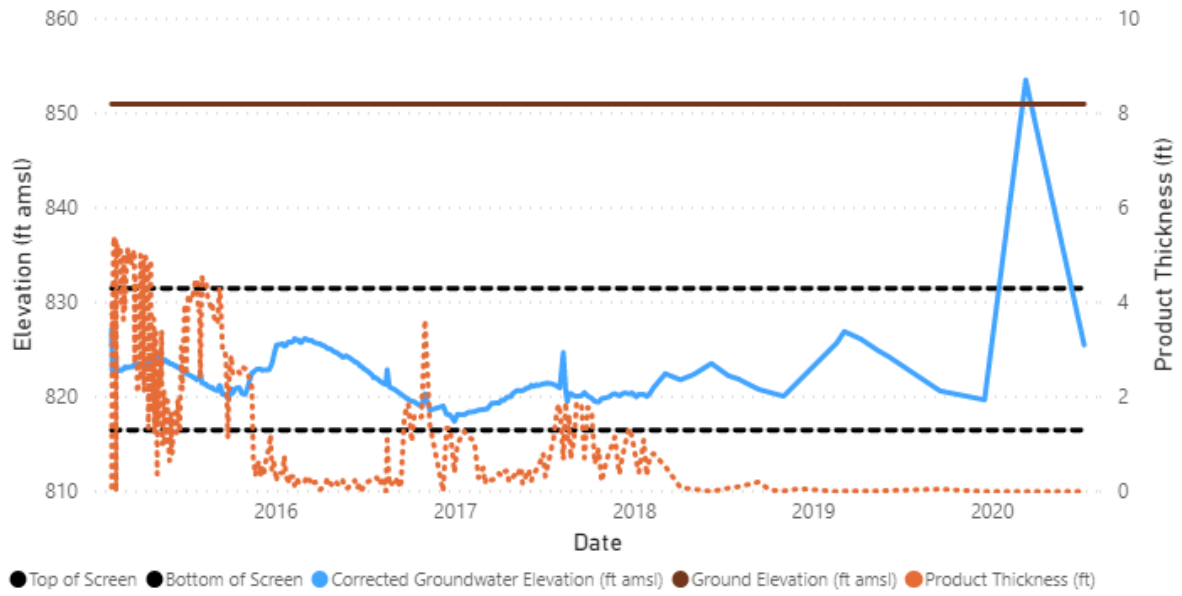
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-05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Product Thickness (ft)
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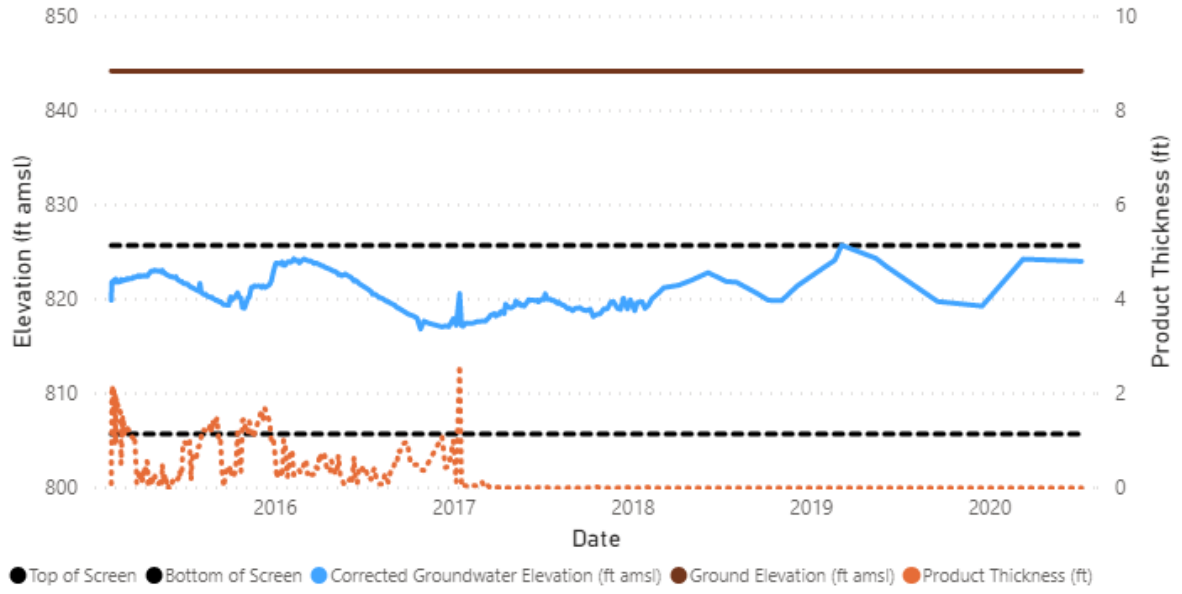
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-06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Product Thickness (ft)
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Date
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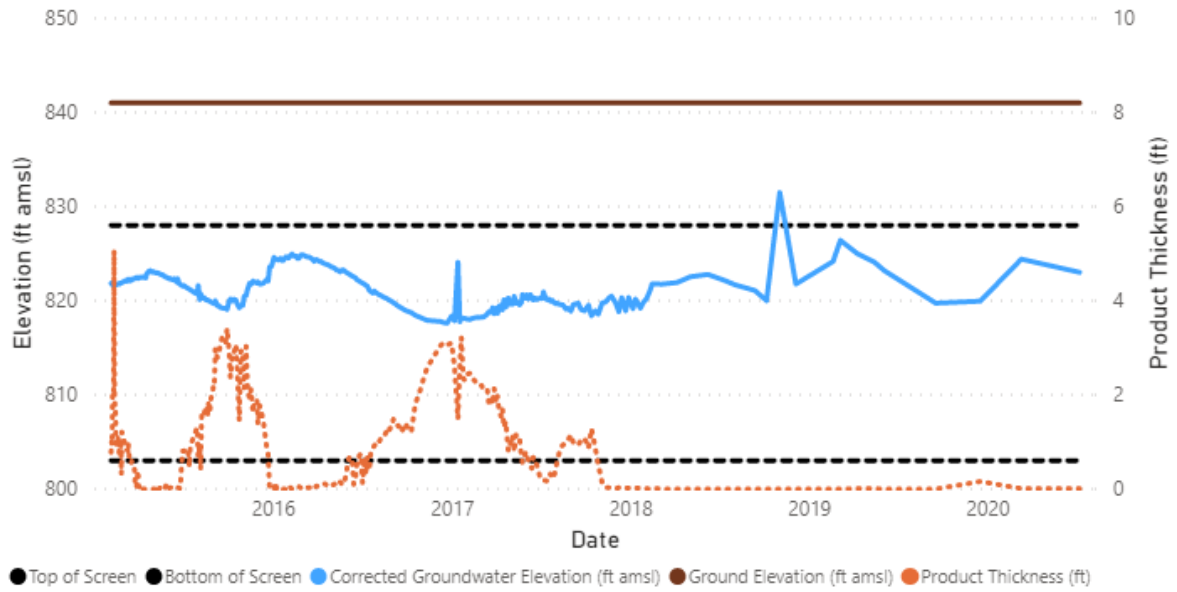
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-07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Elevation (ft amsl)
Product Thickness (ft)
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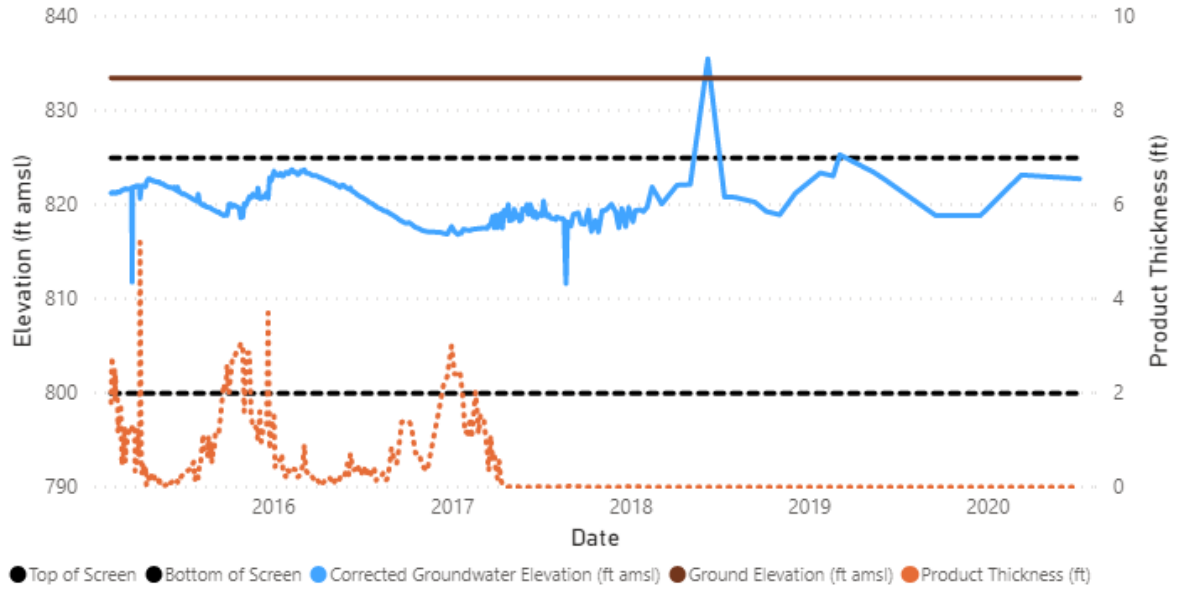
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-08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Product Thickness (ft)
2016
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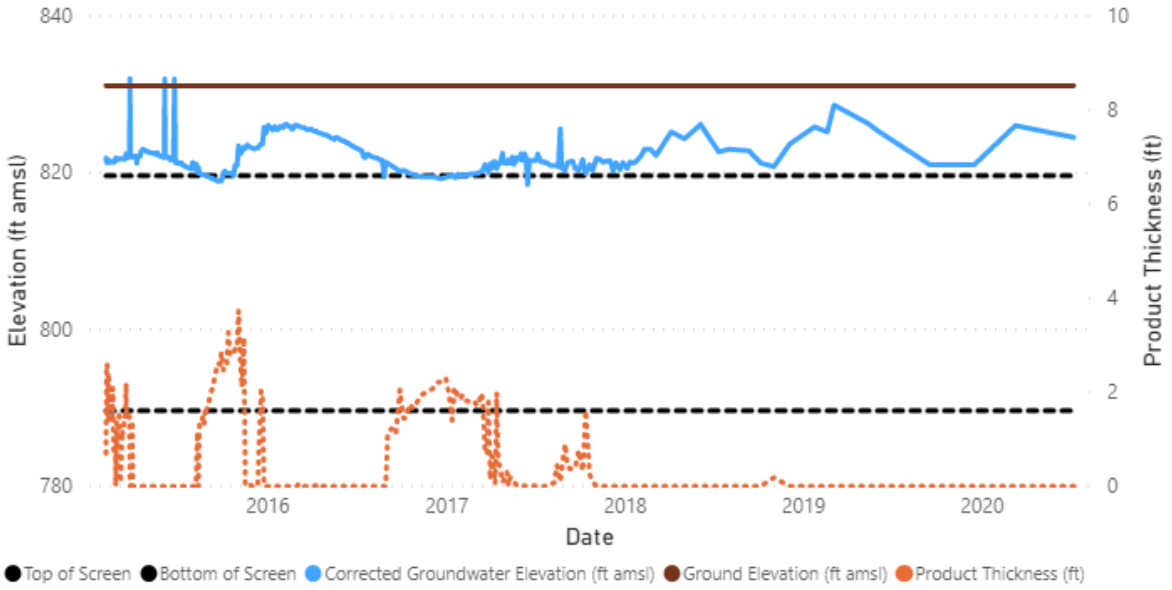
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-09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780
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8
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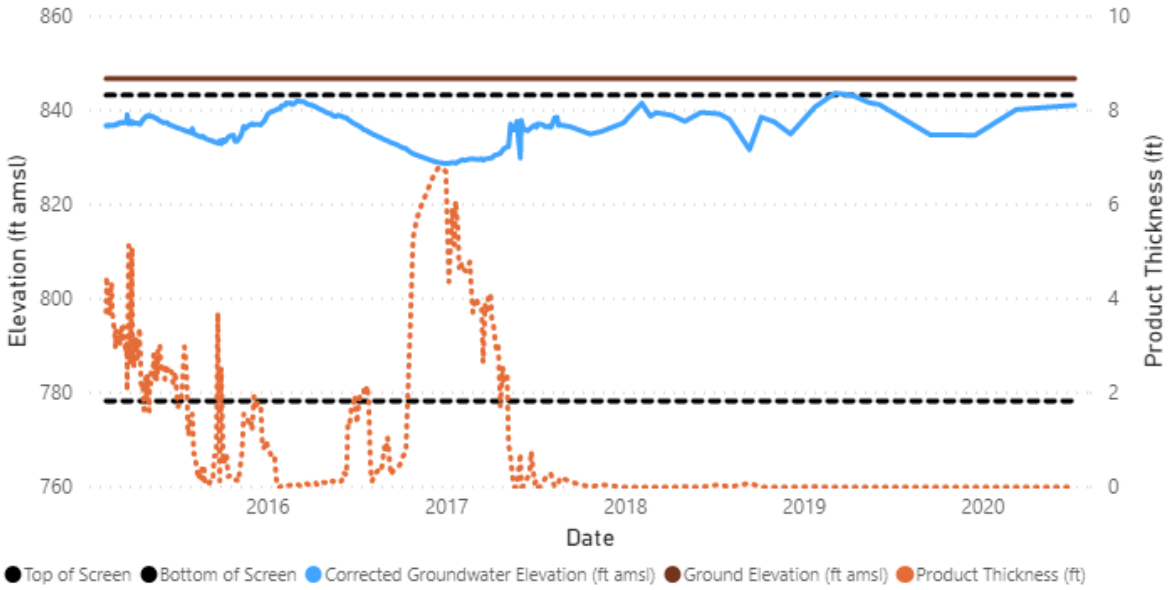
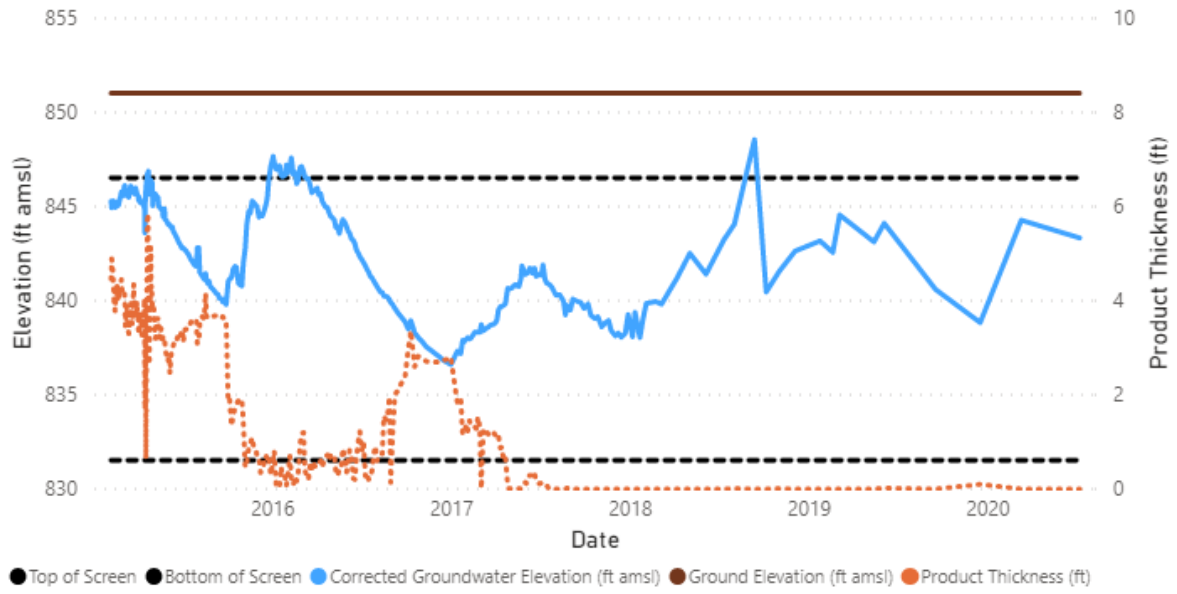
0
Elevation (ft amsl)
Product Thickness (ft)
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

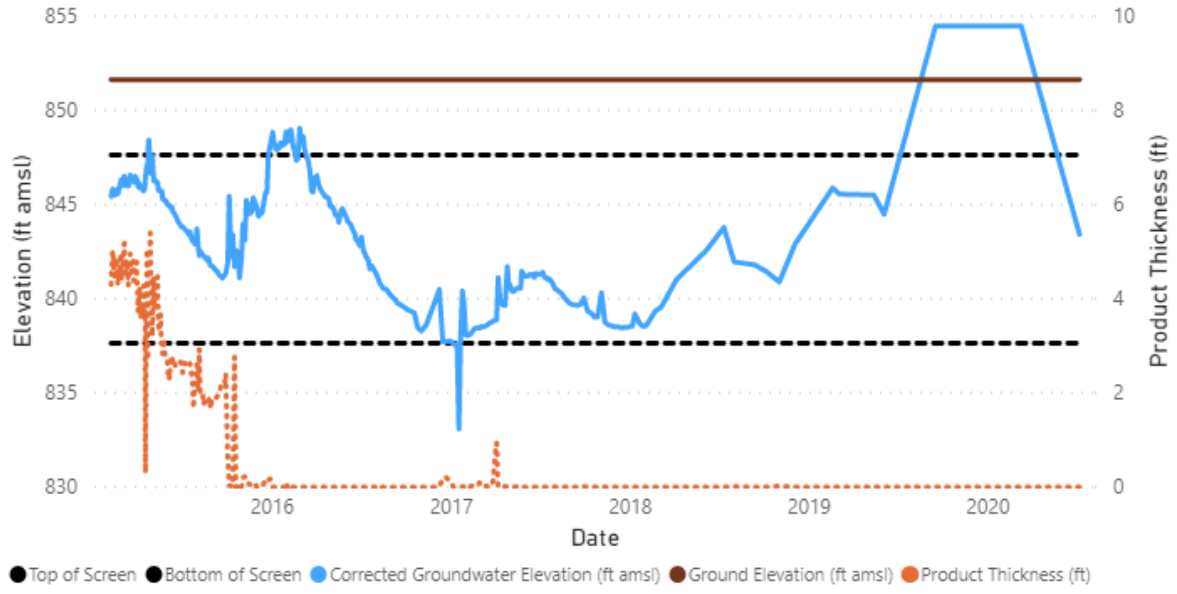
RW-10


860
840
820
800
780
760
10
8
6
4
2
0
Elevation (ft amsl)
Product Thickness (ft)
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

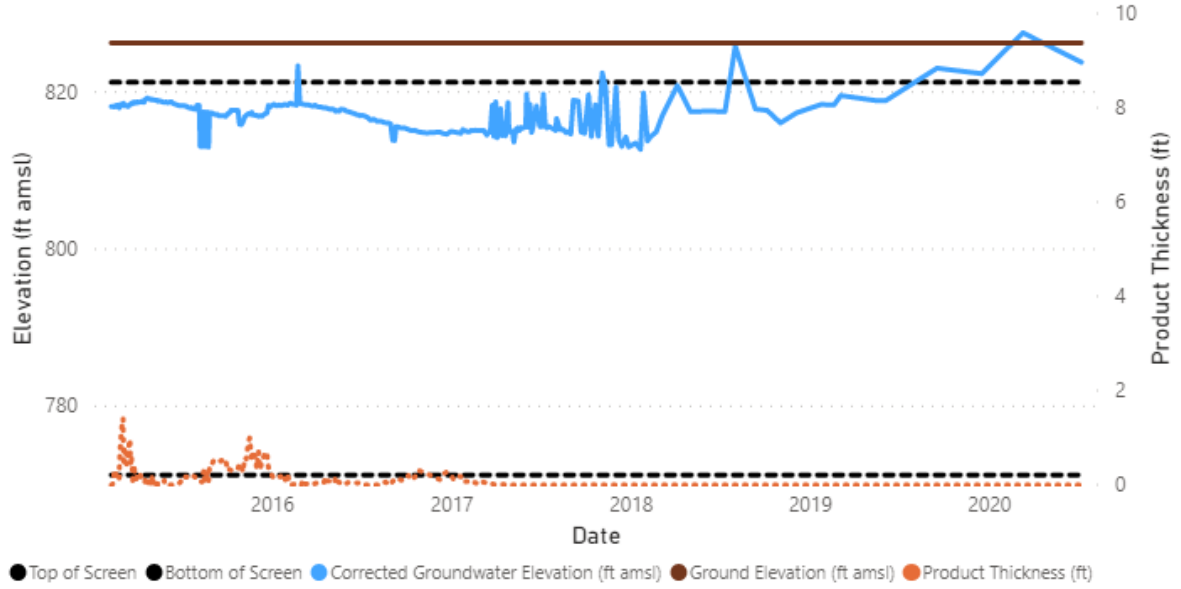
RW-11


855
850
845
840
835
830
10
8
6
4
2
0
Elevation (ft amsl)
Product Thickness (ft)
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

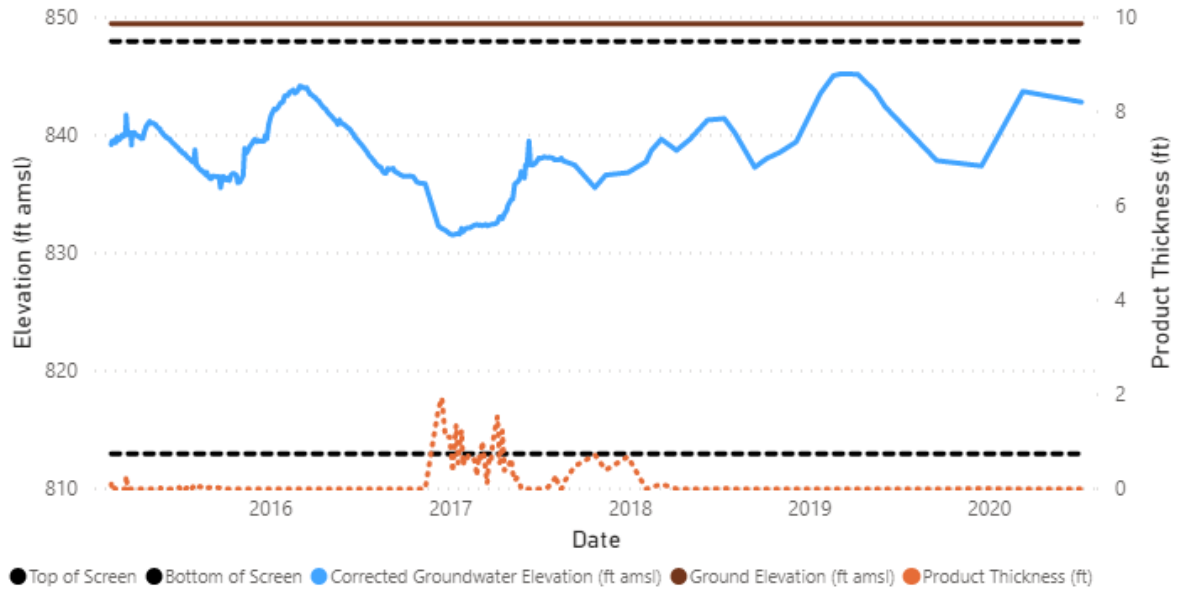
RW-12


855
850
845
840
835
830
10
8
6
4
2
0
Elevation (ft amsl)
Product Thickness (ft)
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-14

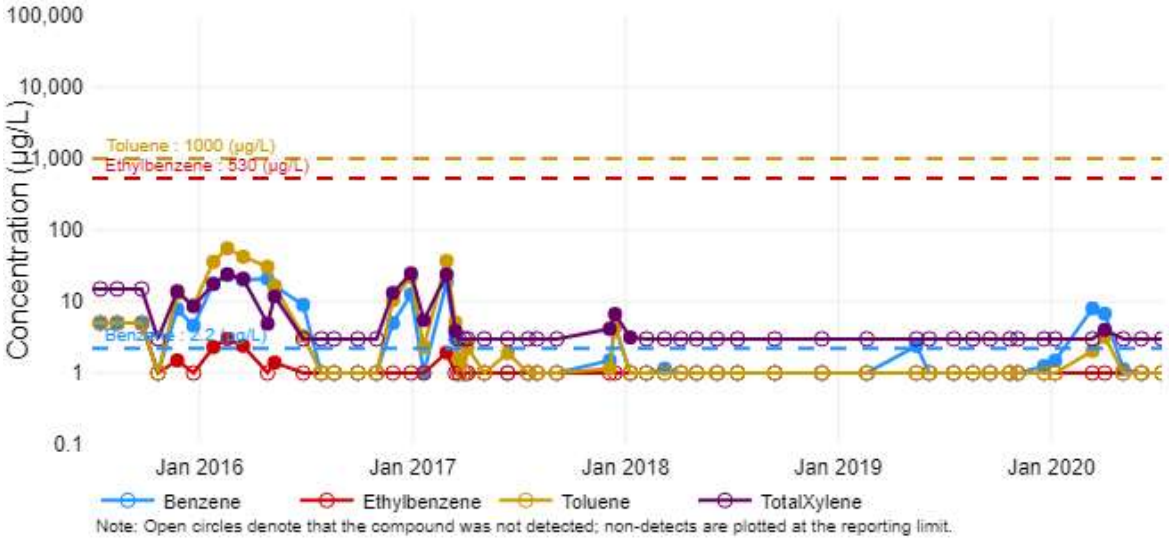

Elevation (ft amsl)
820
800
780
Product Thickness (ft)
10
8
6
4
2
0
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

RW-15


Elevation (ft amsl)
850
840
830
820
810
Product Thickness (ft)
10
8
6
4
2
0
2016
2017
2018
2019
2020
Date
Top of Screen
Bottom of Screen
Corrected Groundwater Elevation (ft amsl)
Ground Elevation (ft amsl)
Product Thickness (ft)

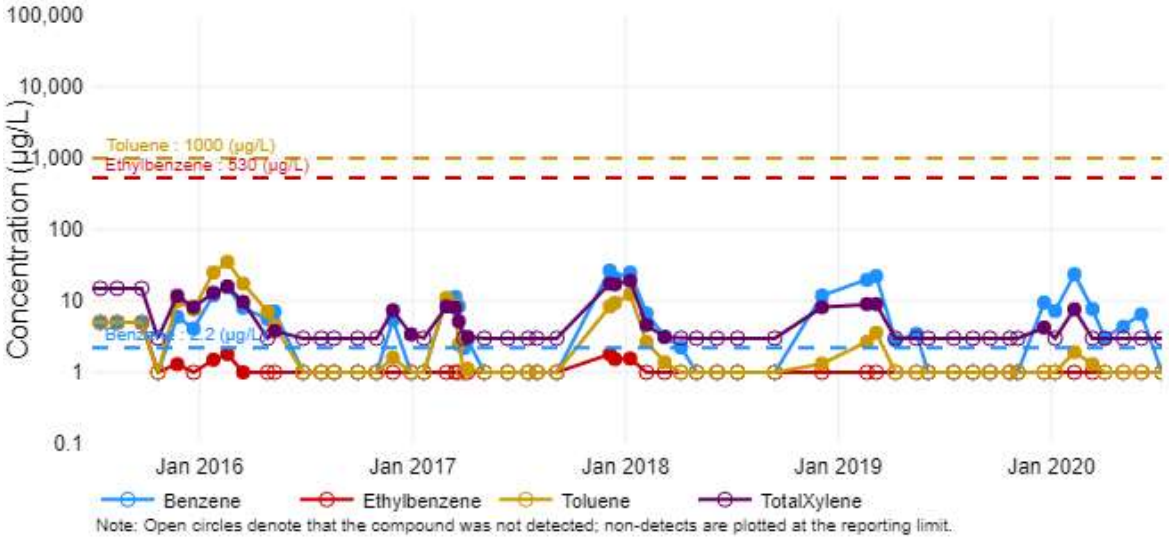
Attachment B
Surface Water Analytical Trends

SW-01



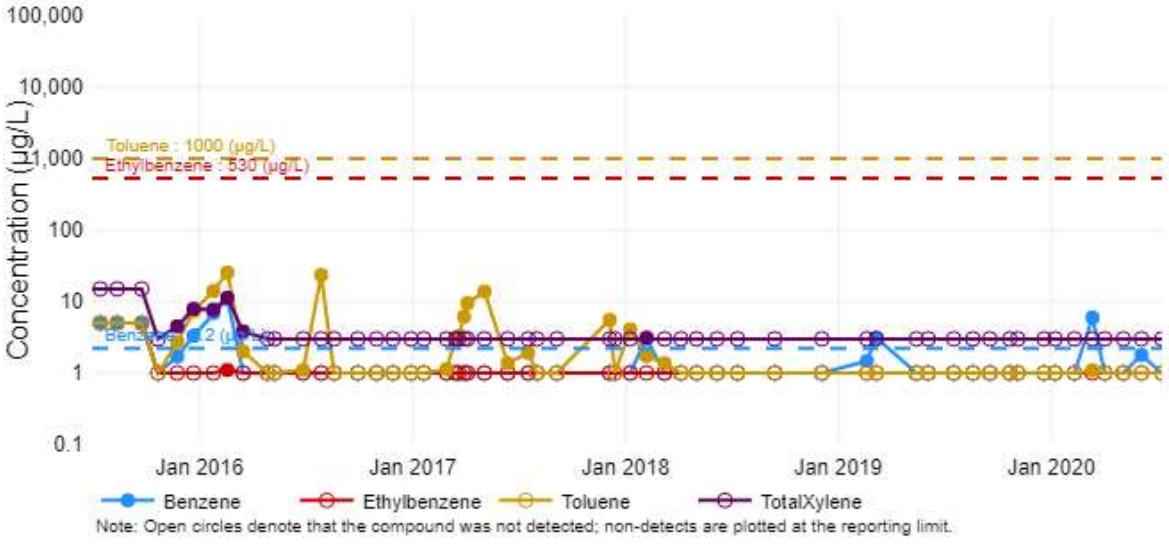
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

SW-02



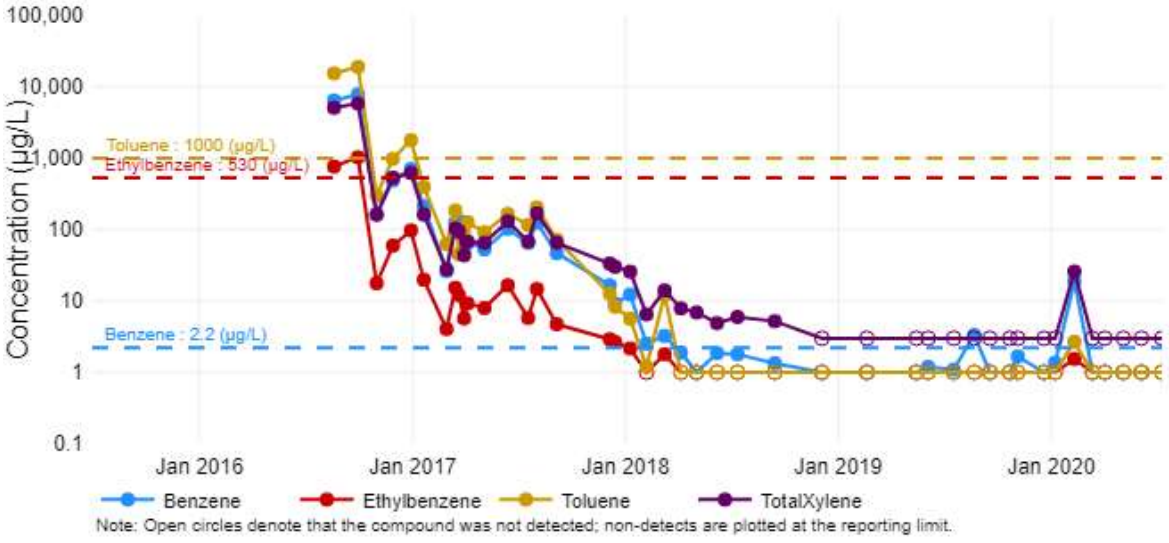
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

SW-04



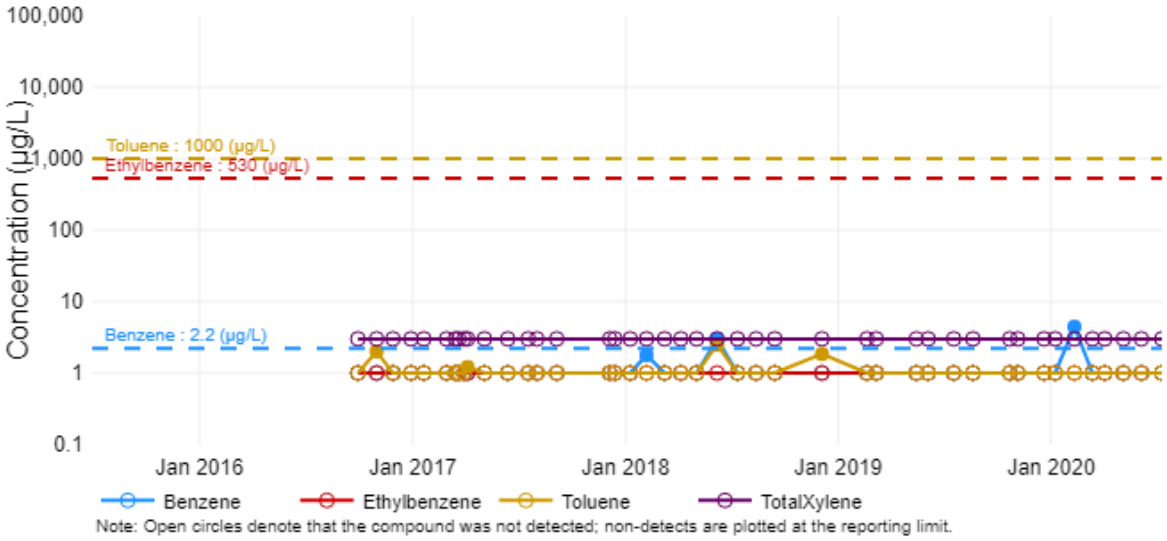
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

SW-12



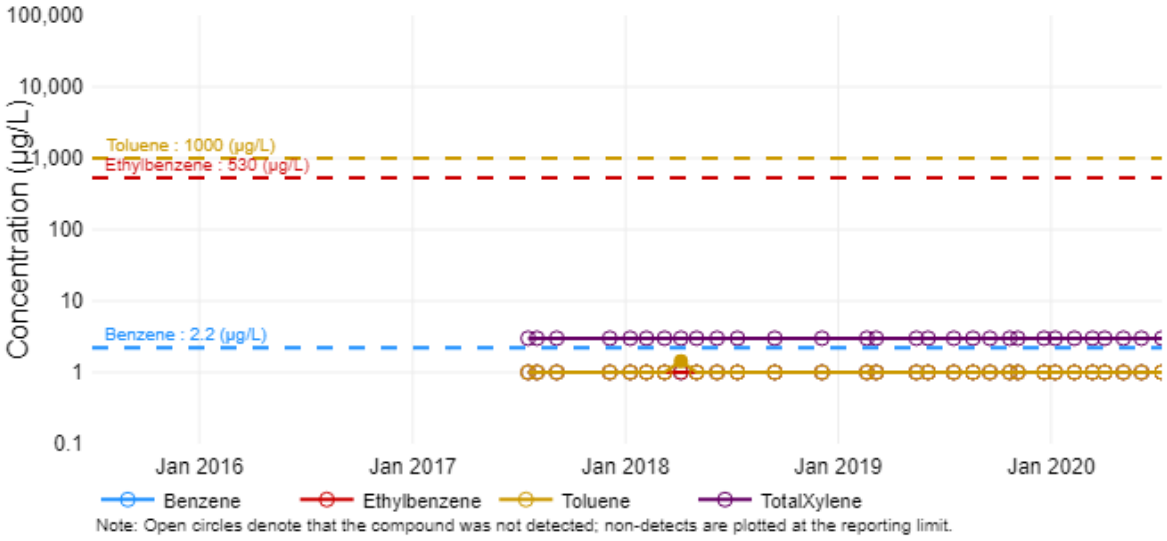
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

SW-13



Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

SW-14

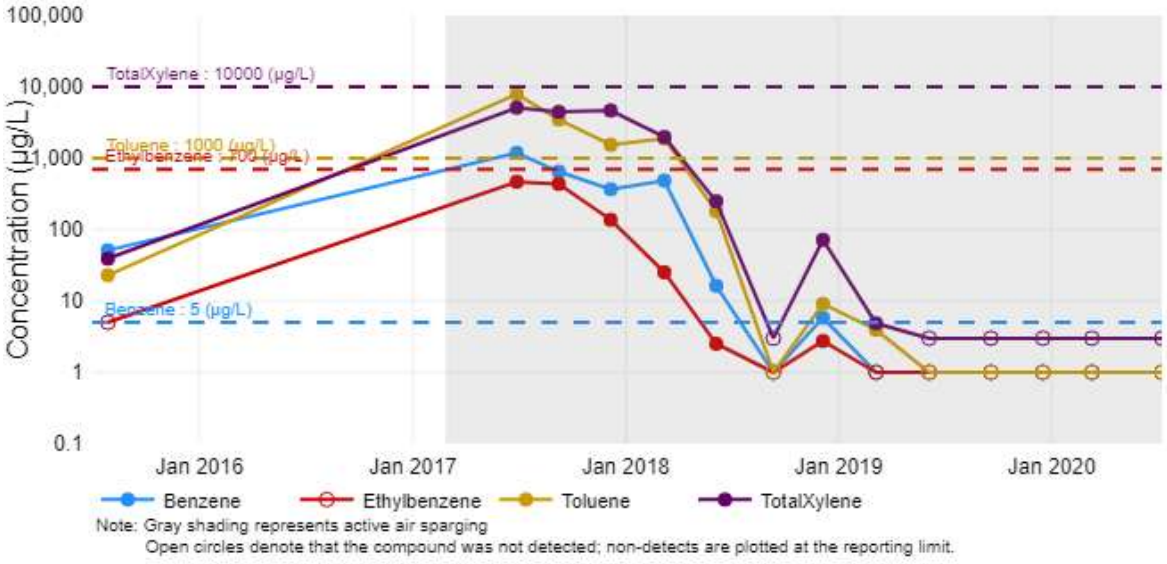


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

Attachment C
Groundwater Analytical Trends

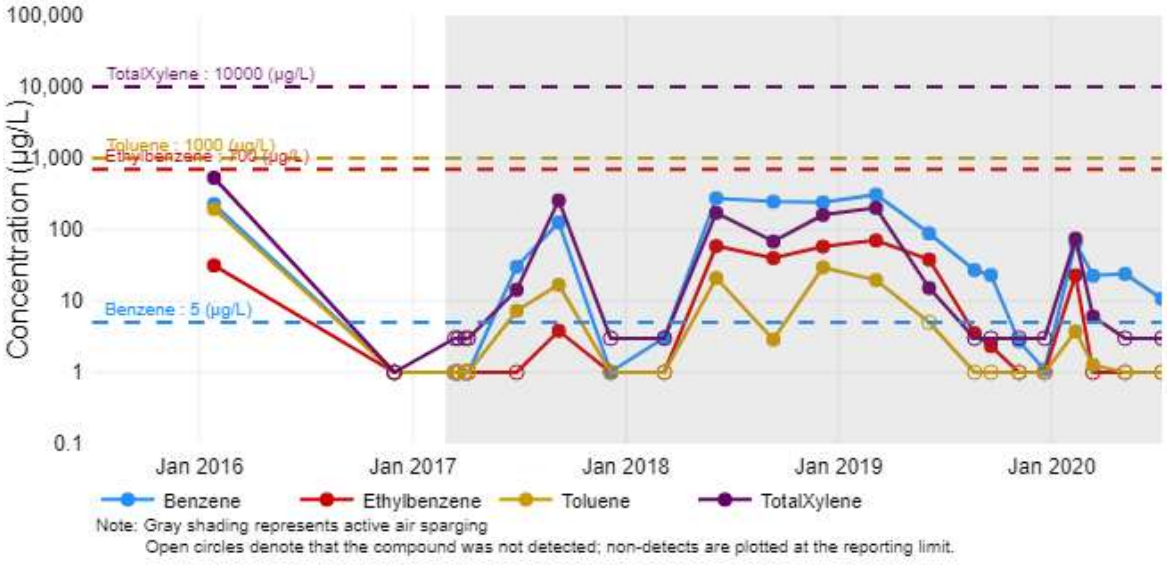
Browns Creek Monitoring Well Trends

MW-12



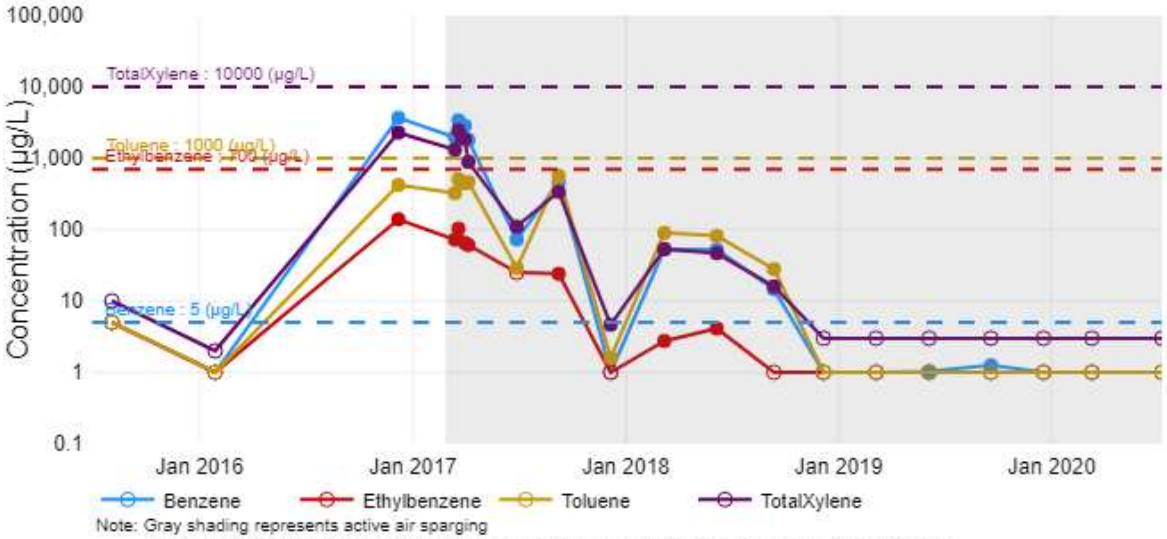
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-12B



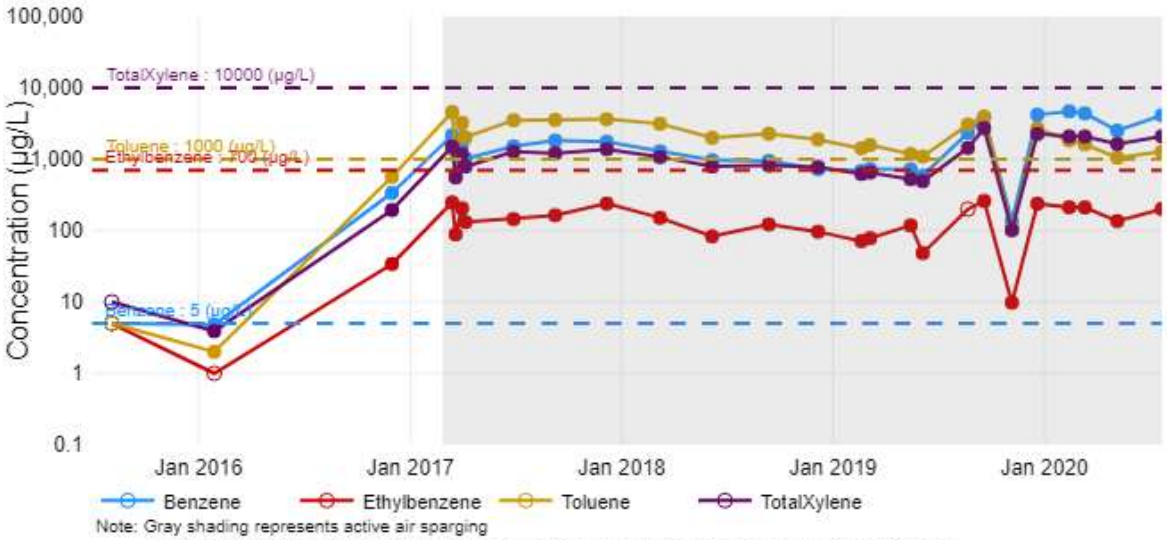
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-15



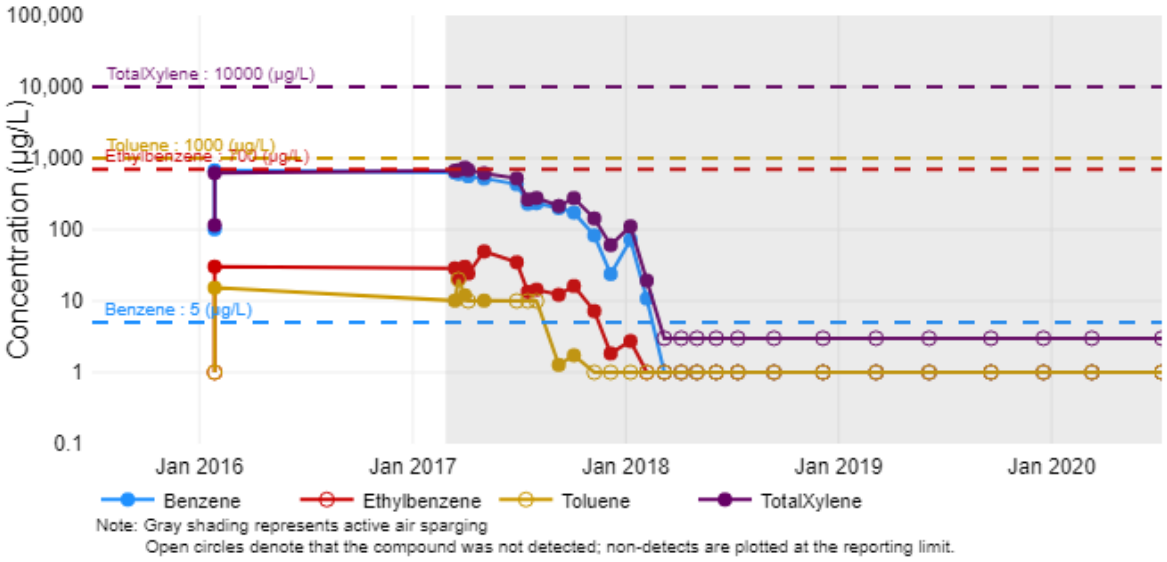
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-15B



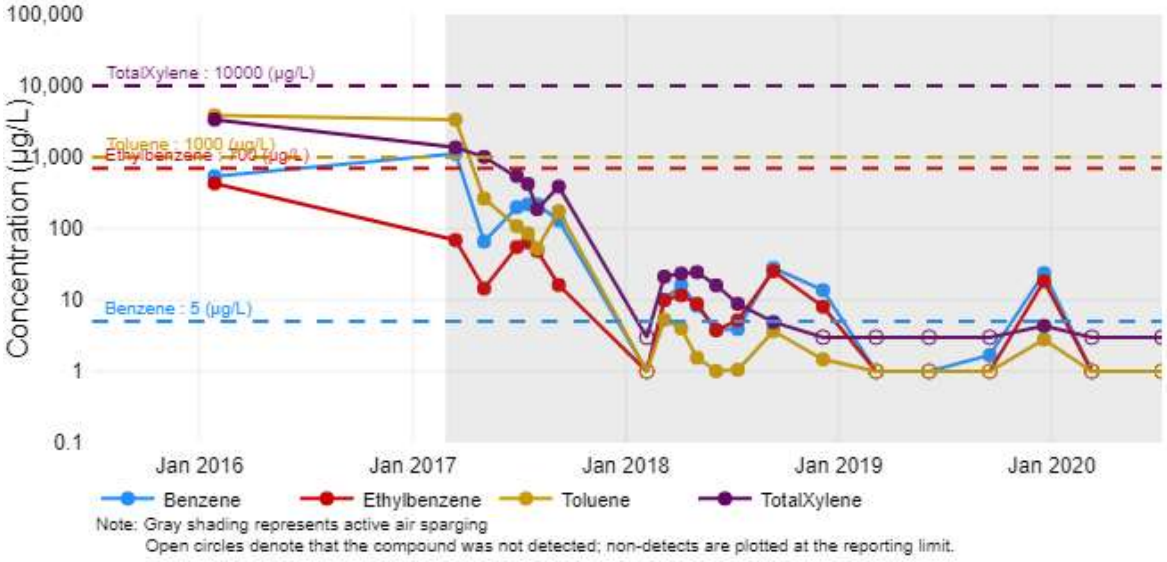
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-25



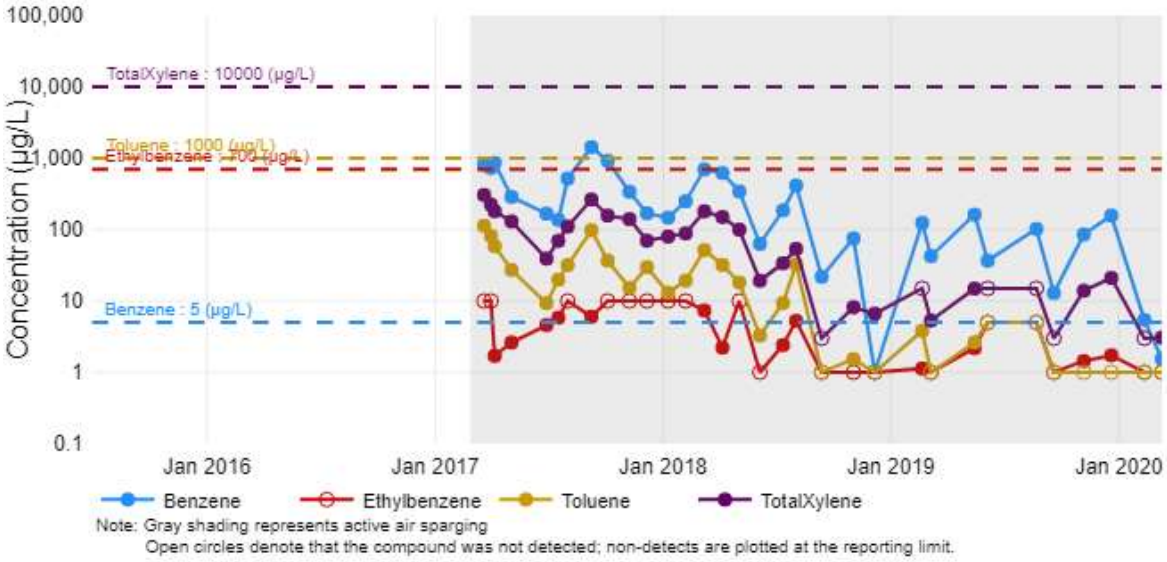
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-28



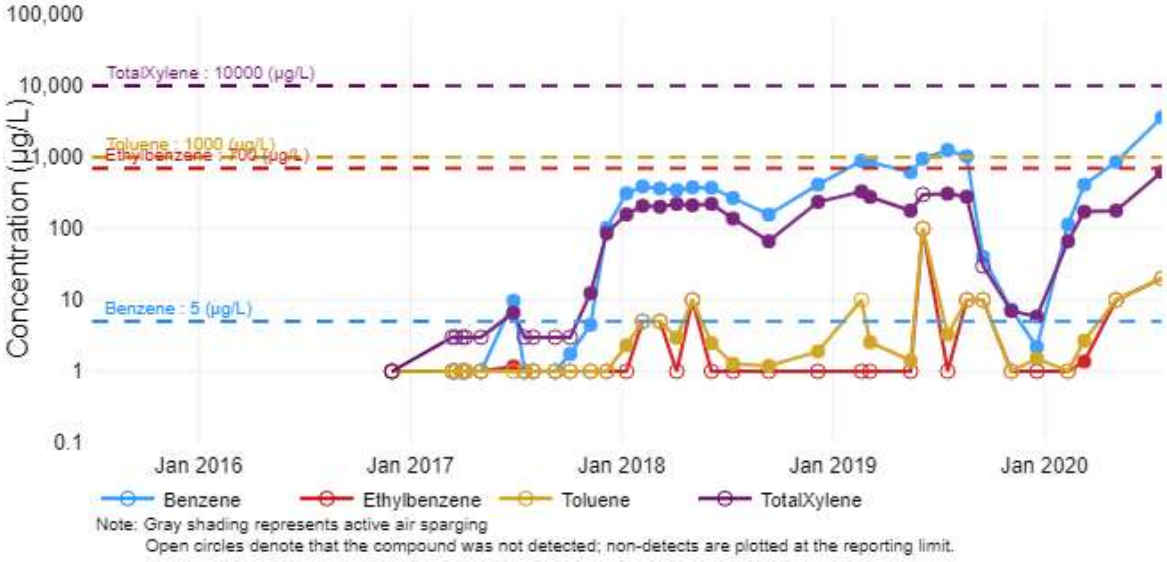
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-34



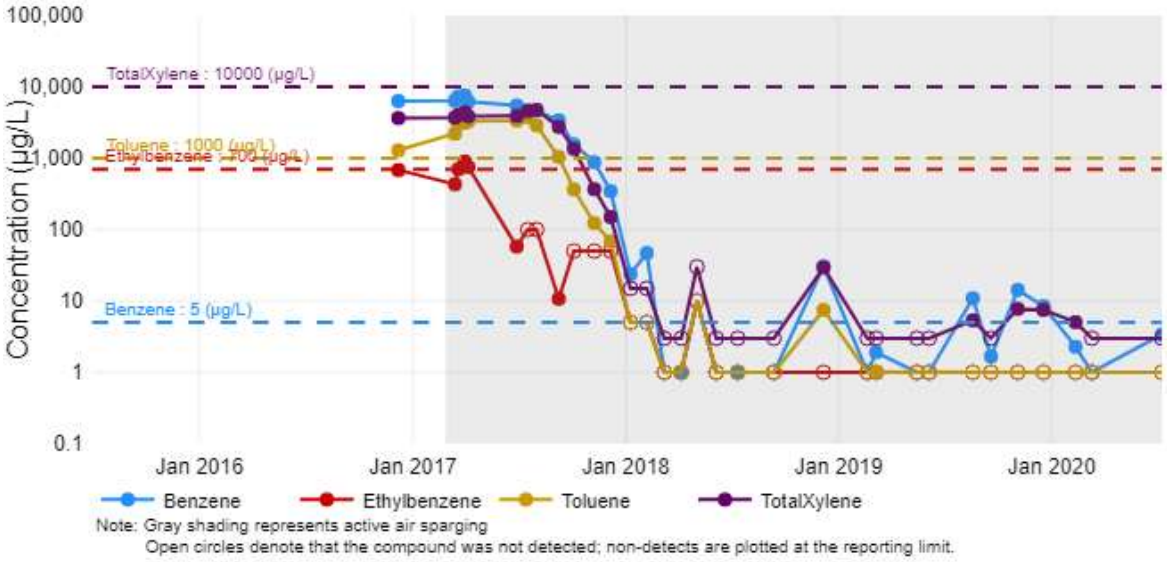
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-38



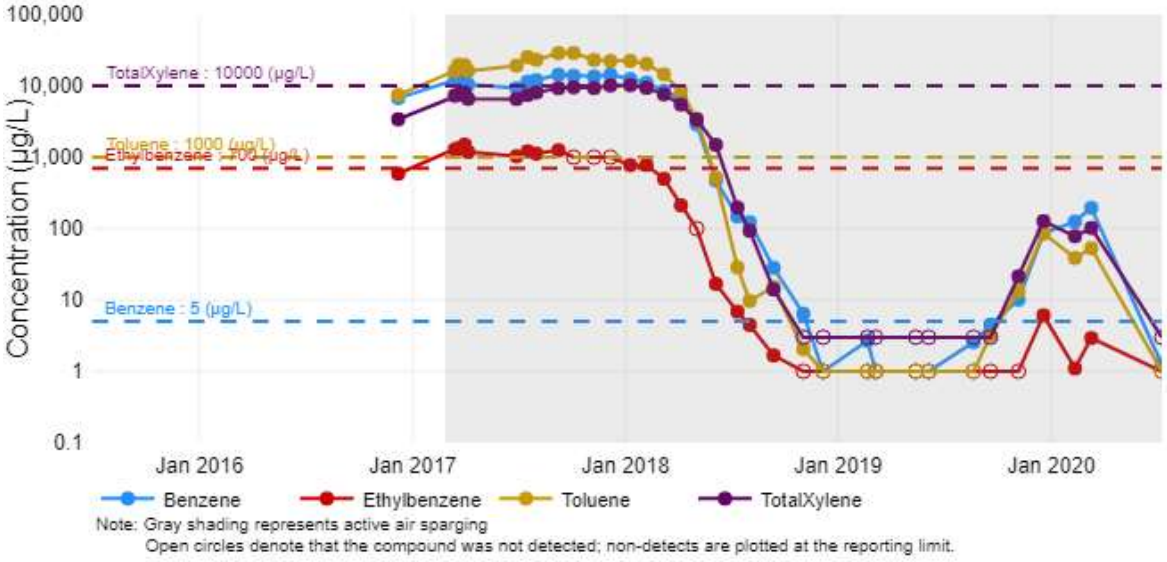
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-39



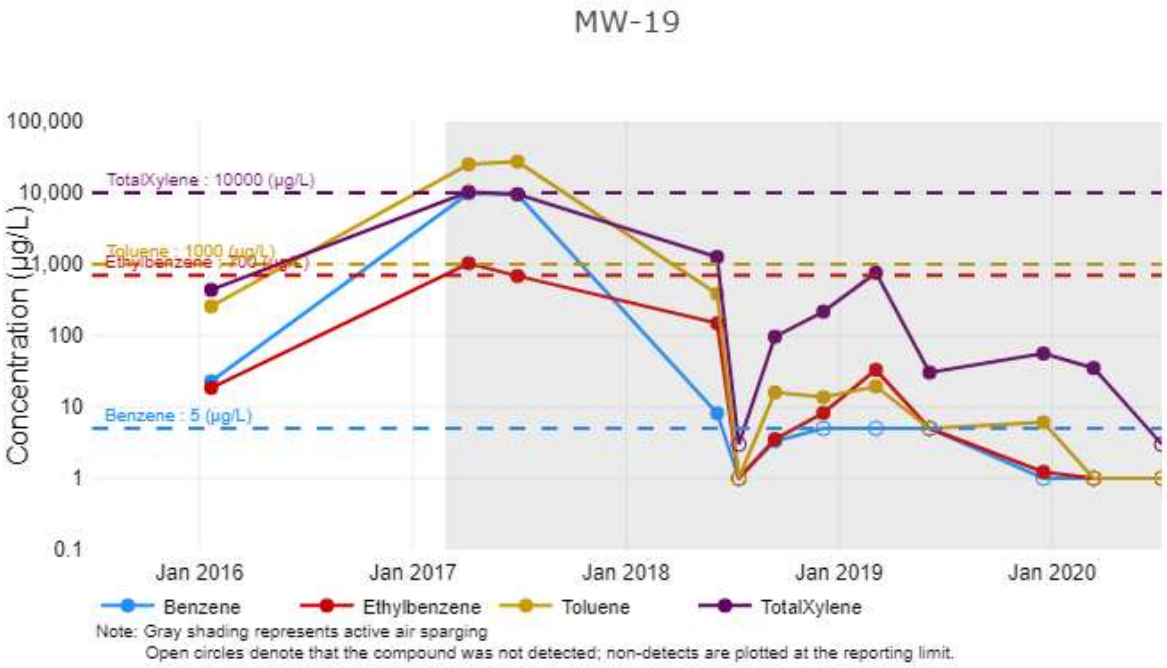
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

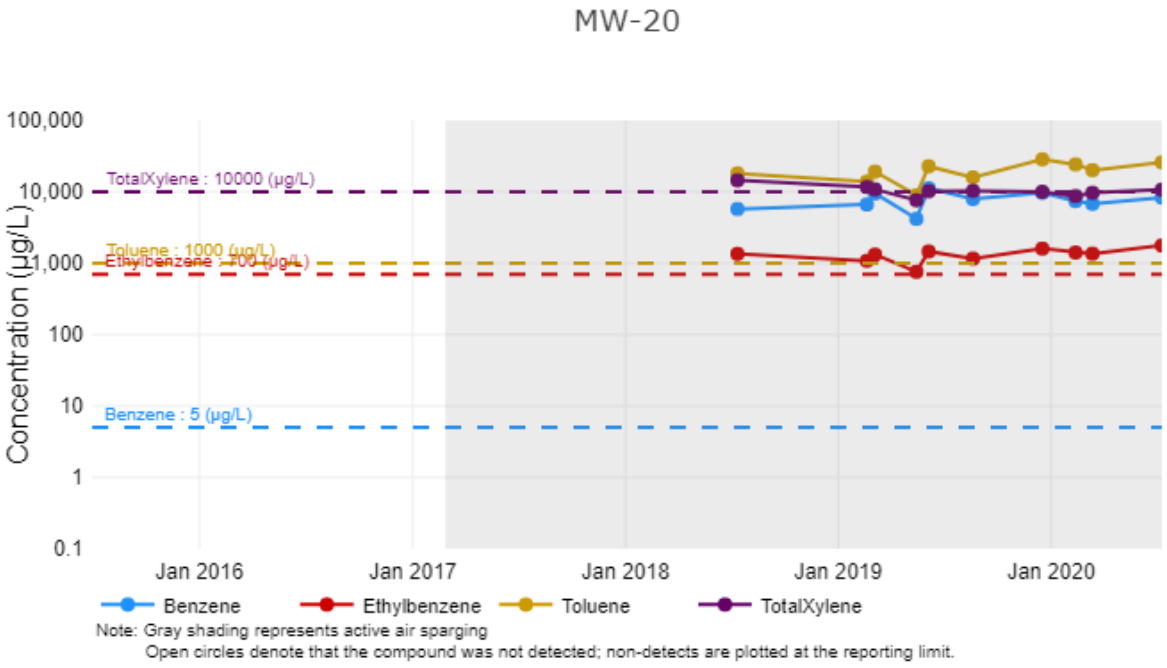
MW-40



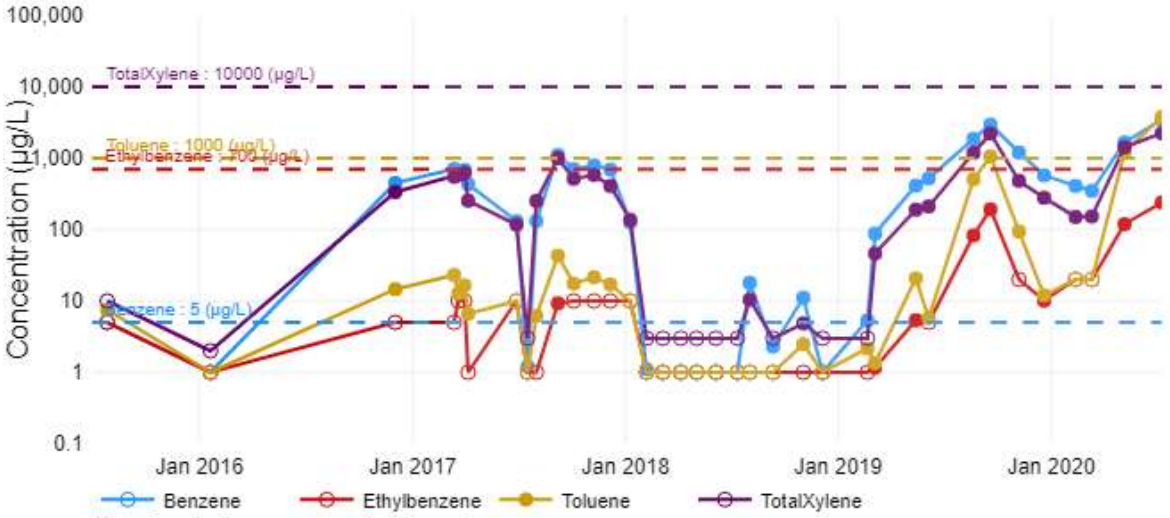
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

Cupboard Creek Monitoring Well Trends





MW-23

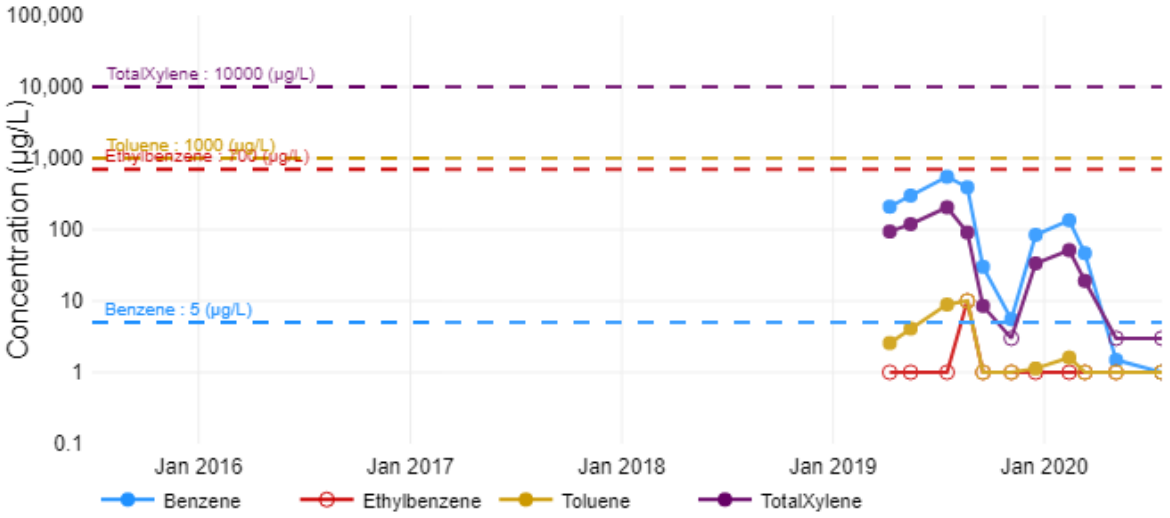


Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-46

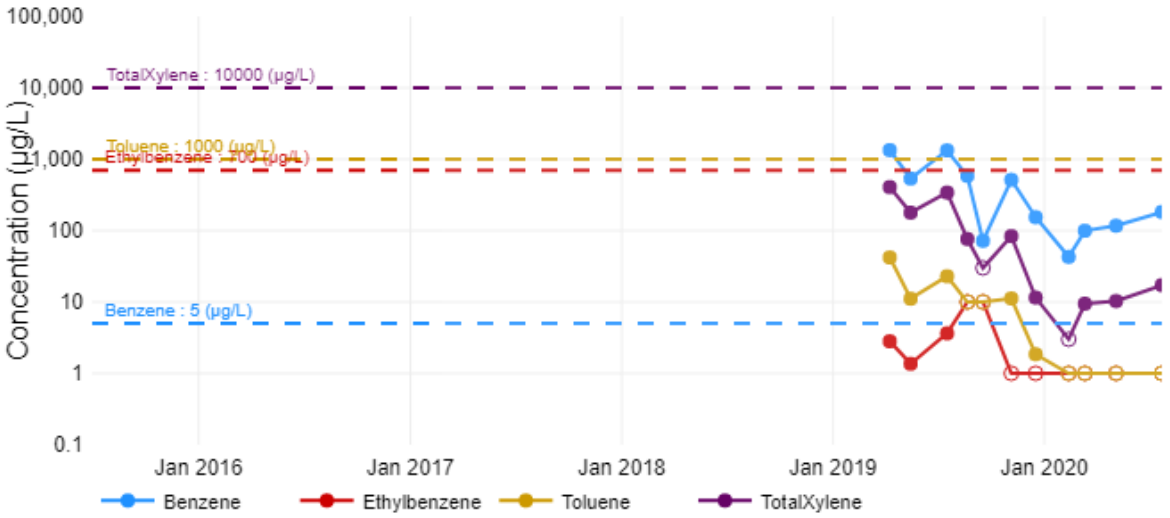
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-56



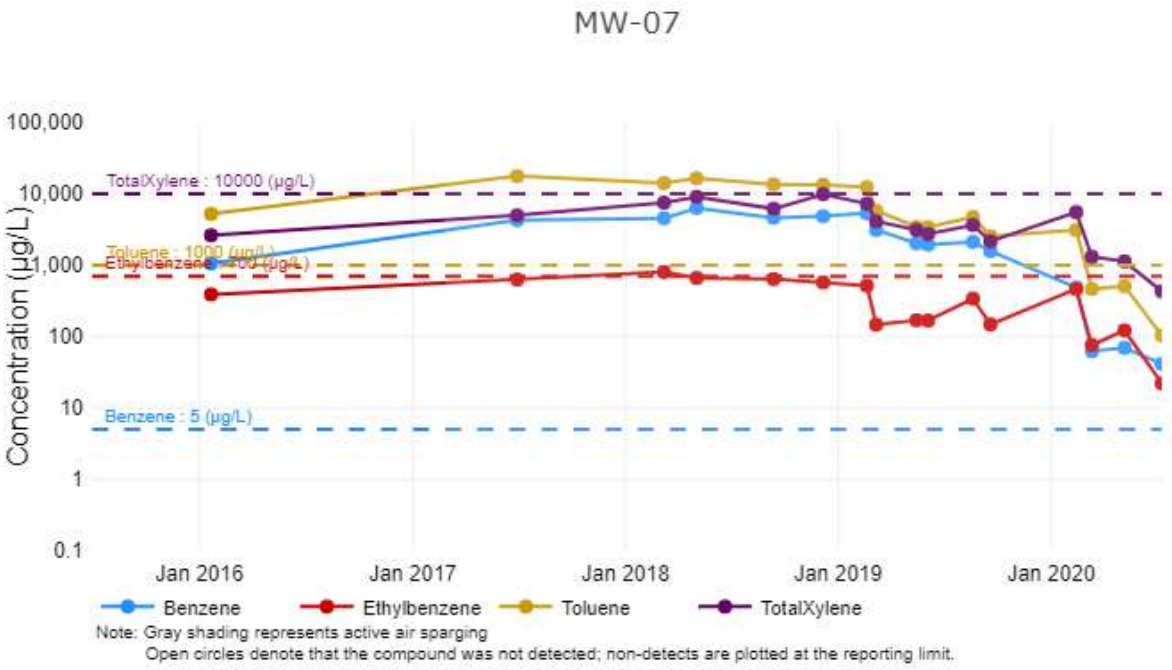
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

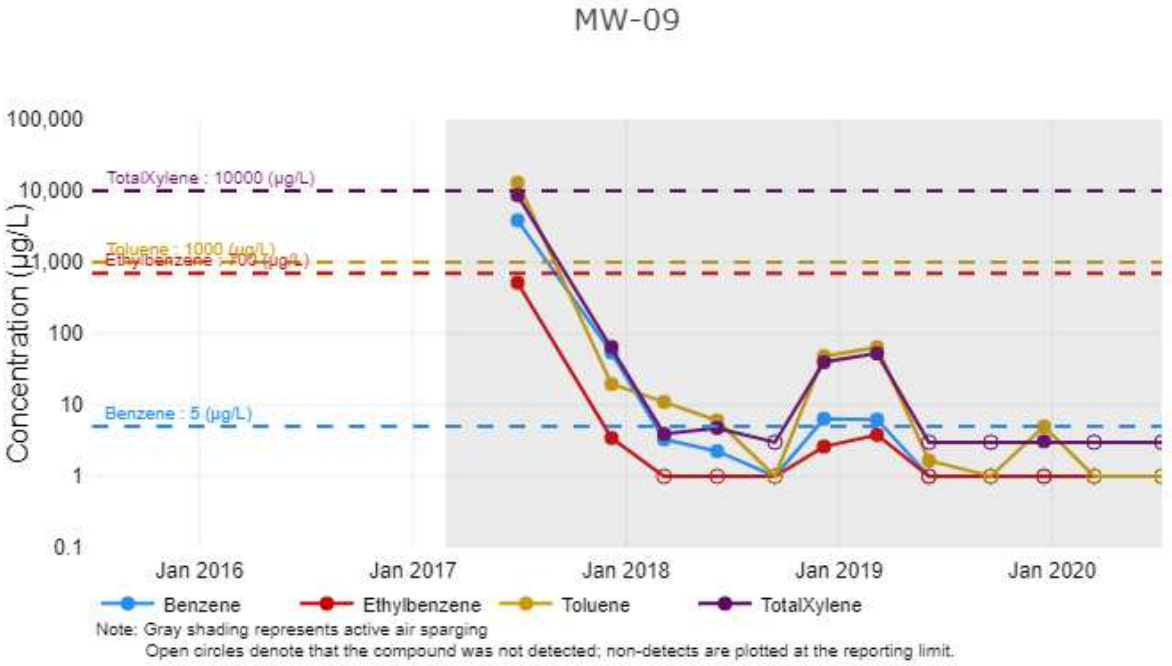
MW-57



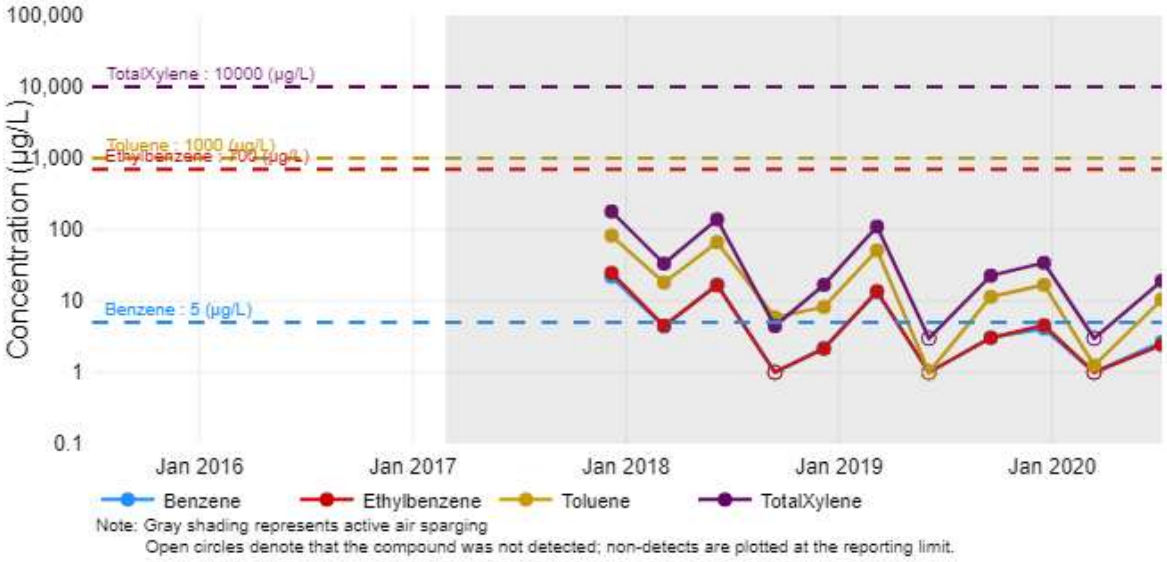
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

Hayfield Monitoring Well Trends



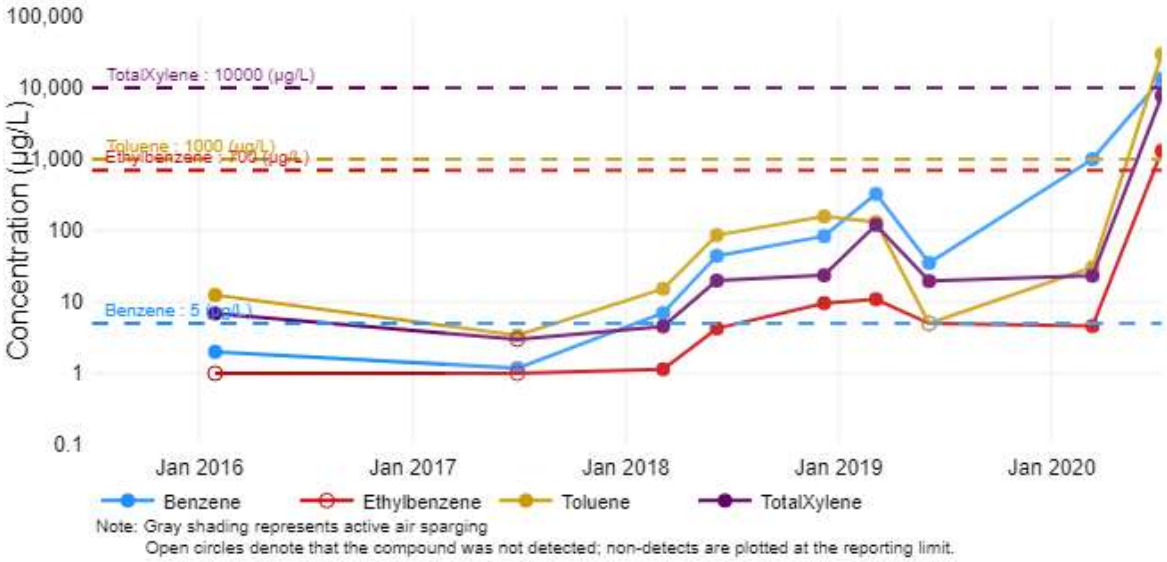


MW-09B



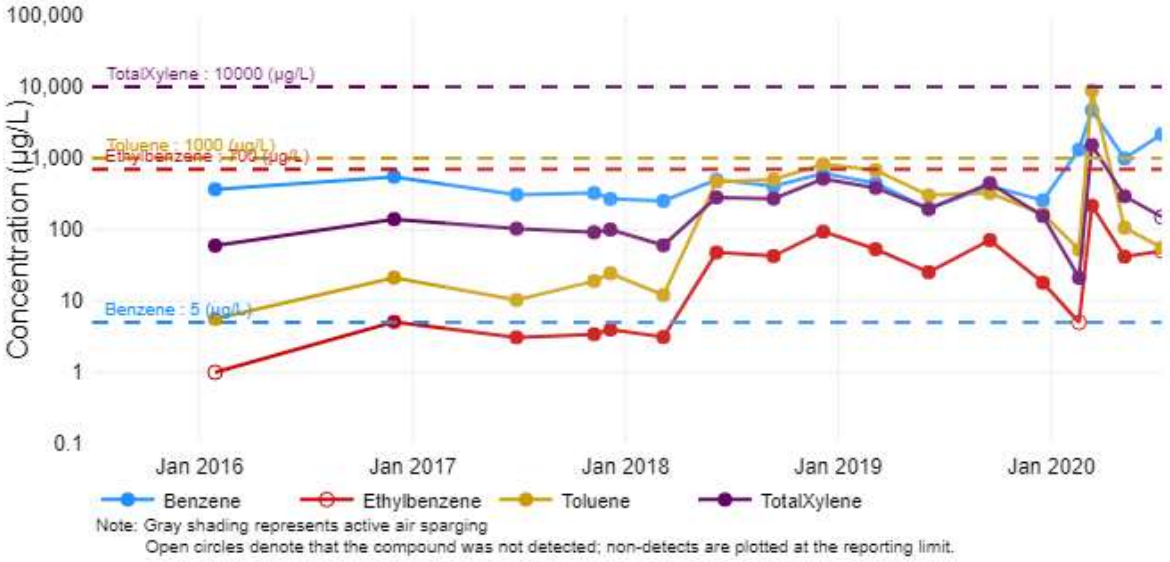
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-13



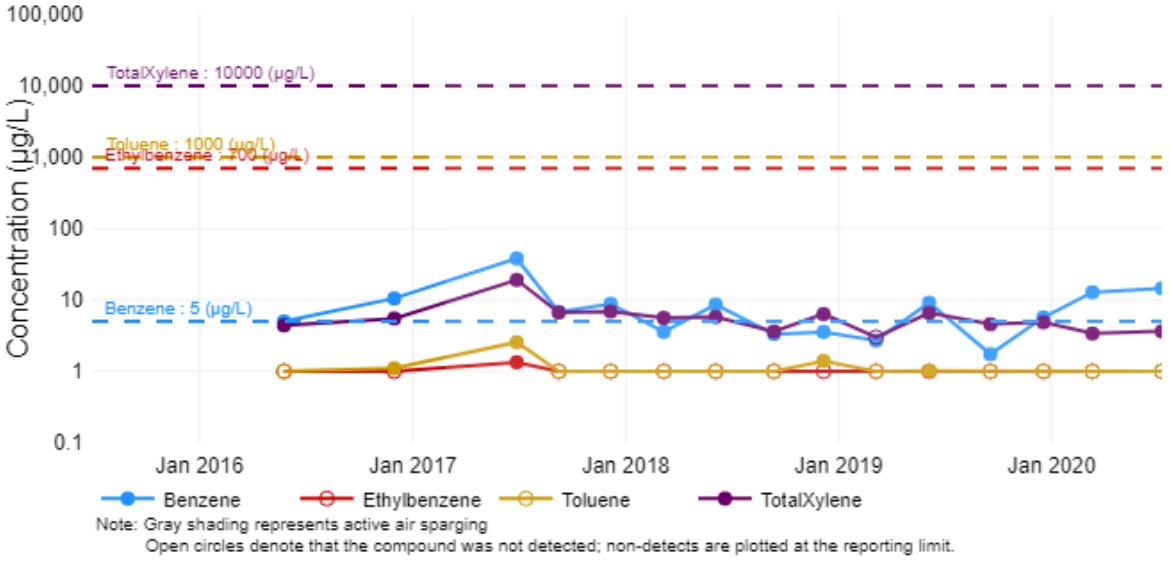
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-13B



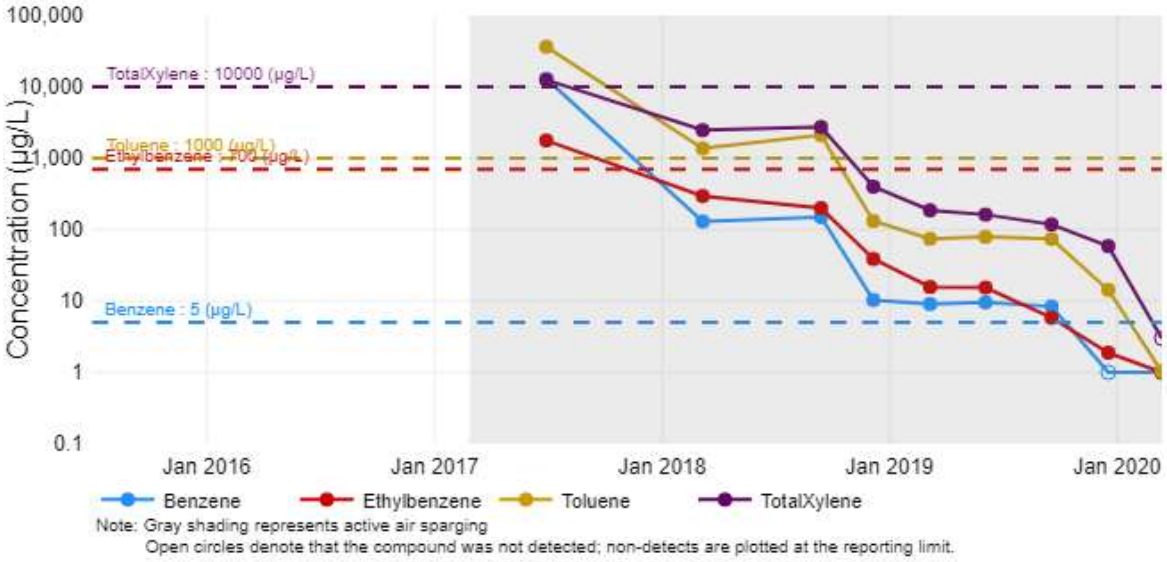
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-14B



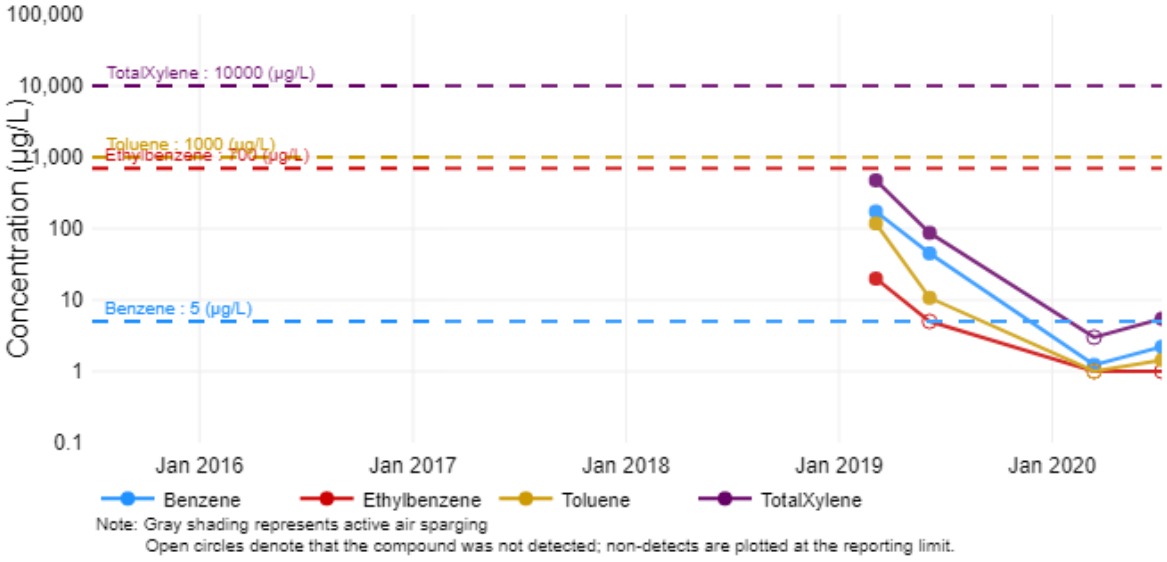
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-16

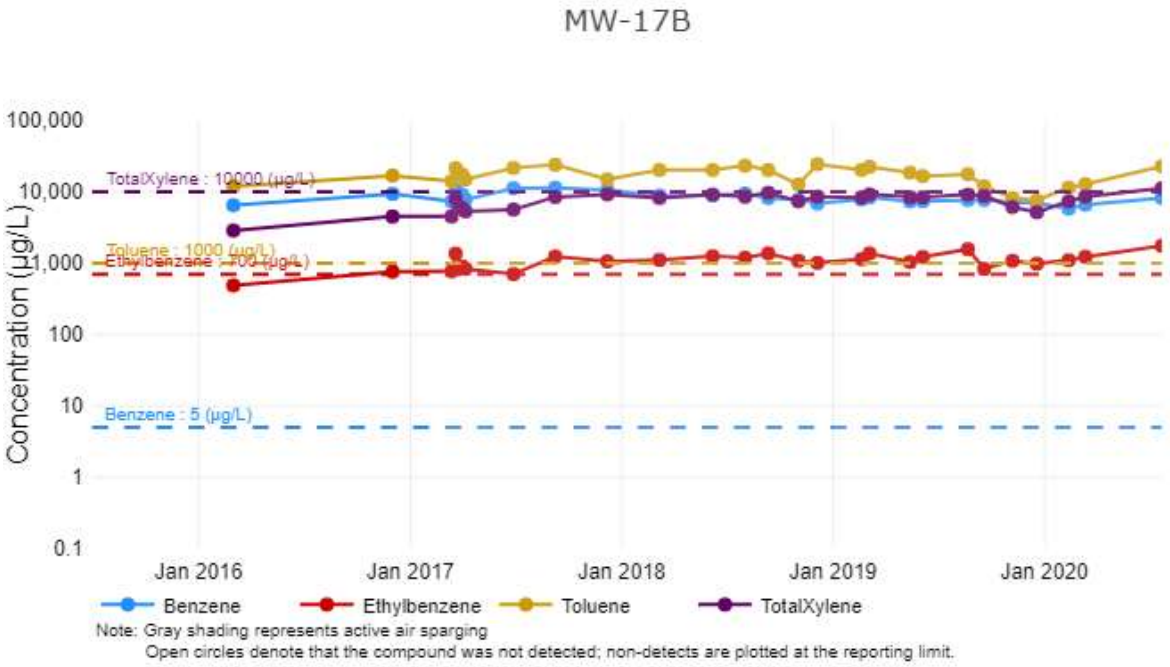


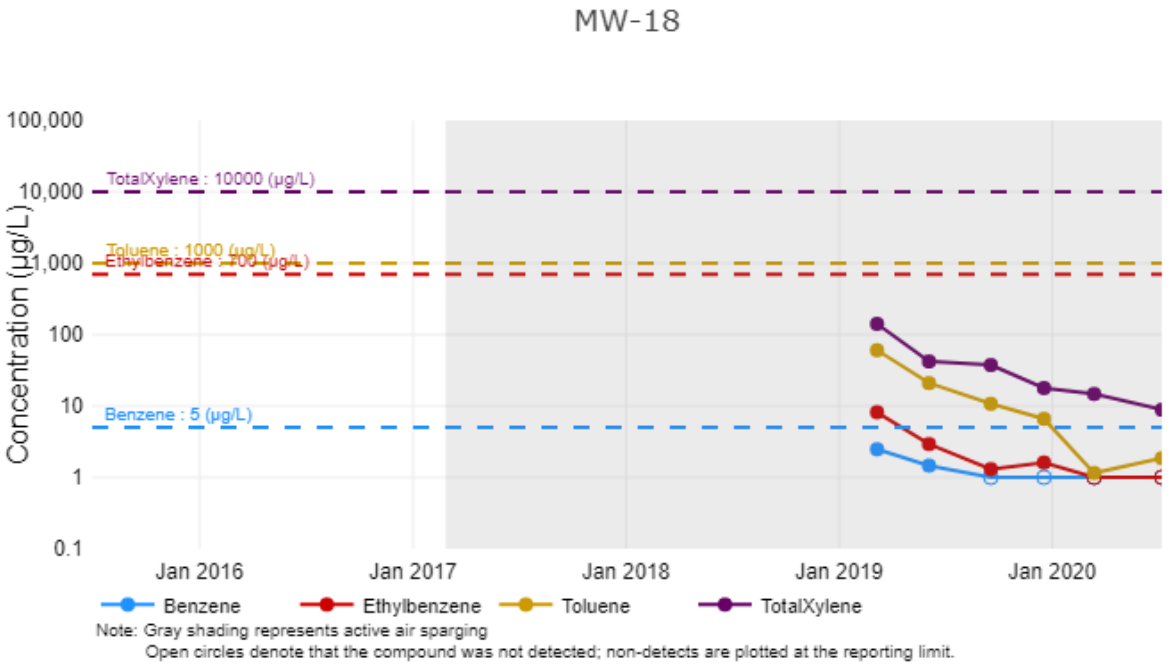
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-17

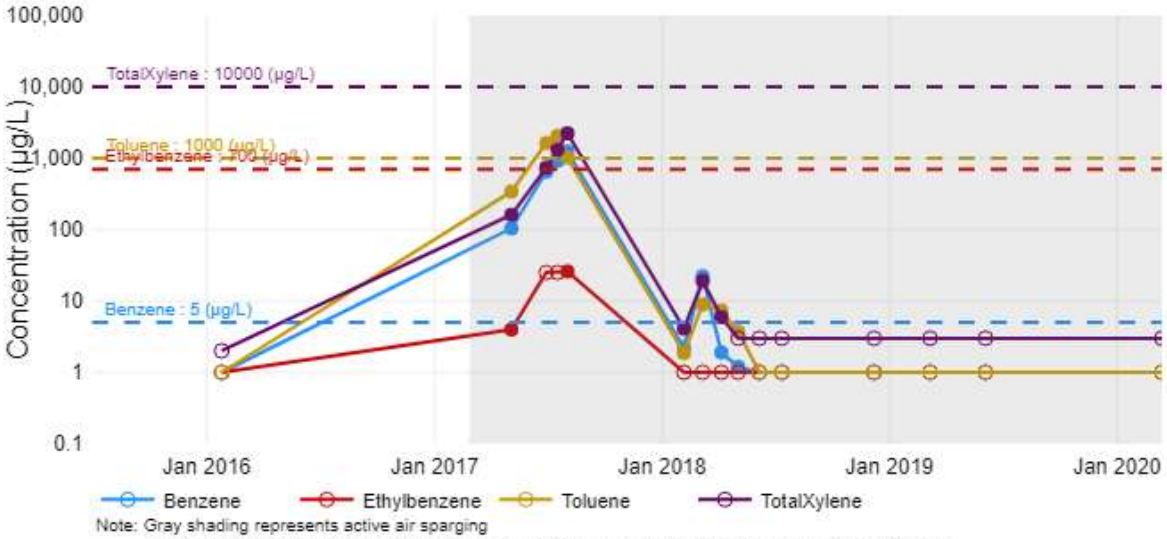


Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.


MW-17B
100,000
10,000
1,000
100
10
1
0.1
Concentration (µg/L)
TotalXylene : 10000 (µg/L)
Toluene : 1000 (µg/L)
Ethylbenzene : 700 (µg/L)
Benzene : 5 (µg/L)
Jan 2016
Jan 2017
Jan 2018
Jan 2019
Jan 2020
Benzene
Ethylbenzene
Toluene
TotalXylene
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

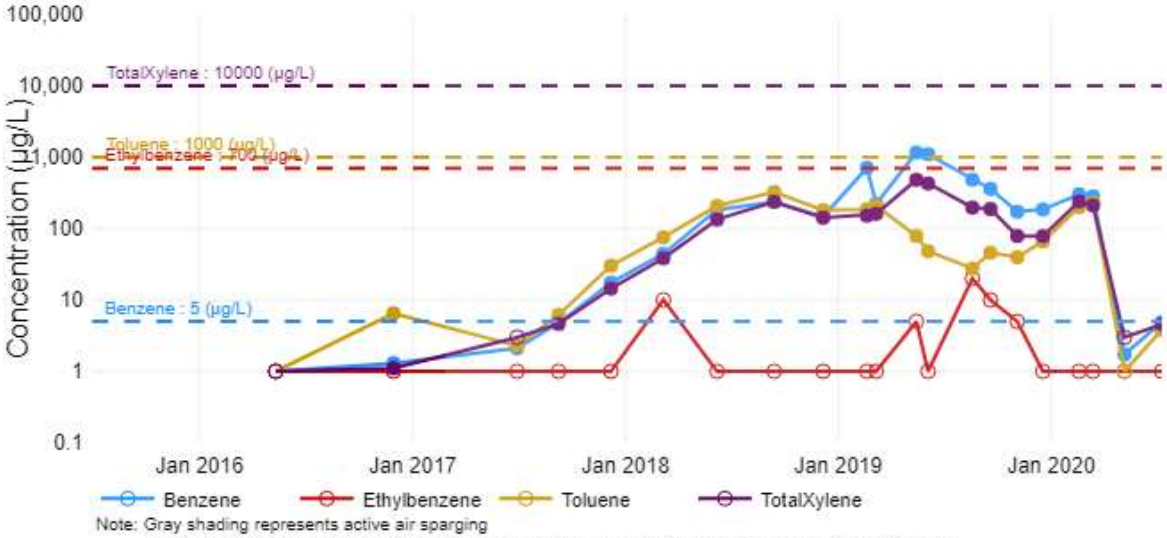

MW-18
100,000
10,000
1,000
100
10
1
0.1
Concentration (µg/L)
TotalXylene : 10000 (µg/L)
Toluene : 1000 (µg/L)
Ethylbenzene : 700 (µg/L)
Benzene : 5 (µg/L)
Jan 2016
Jan 2017
Jan 2018
Jan 2019
Jan 2020
Benzene
Ethylbenzene
Toluene
TotalXylene
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-30



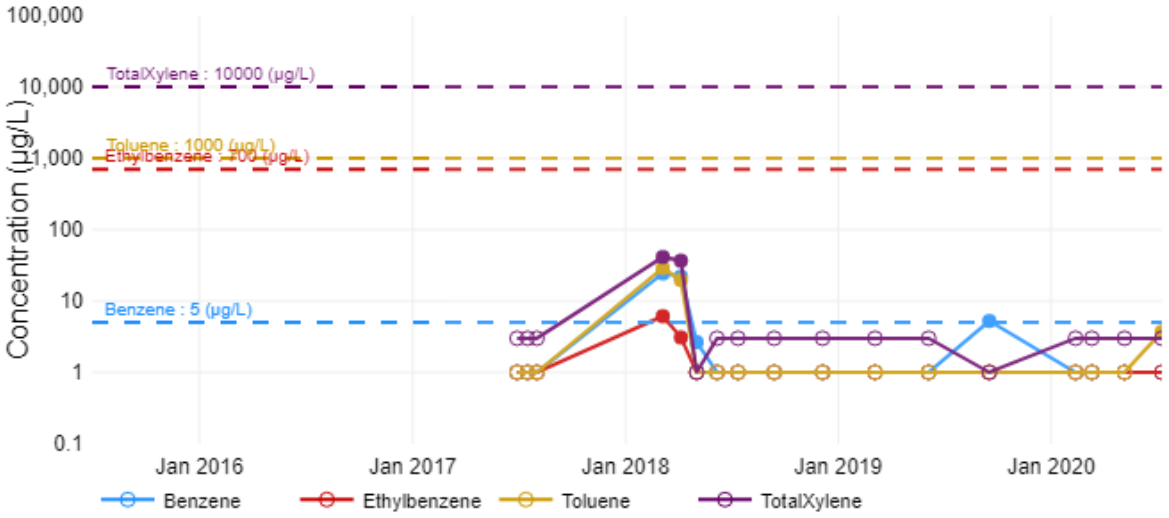
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-36



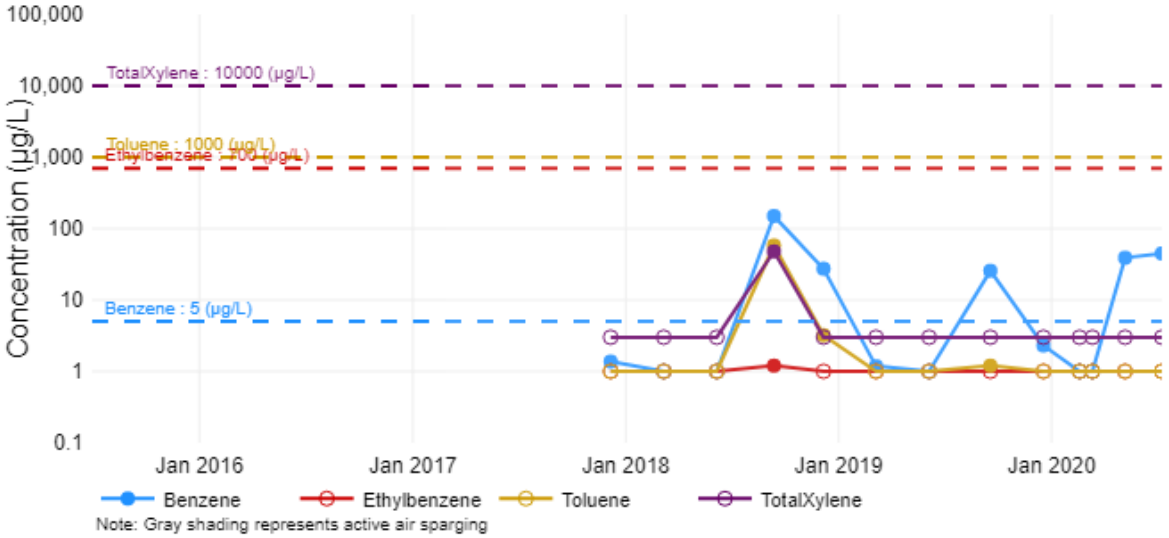
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

MW-45



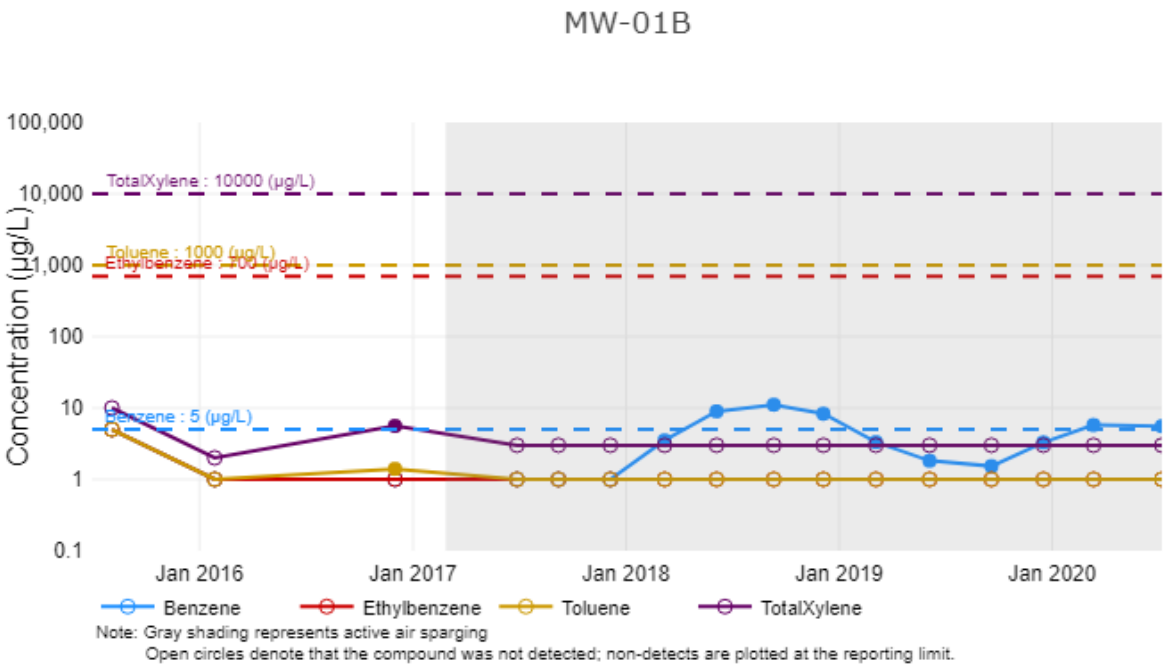
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

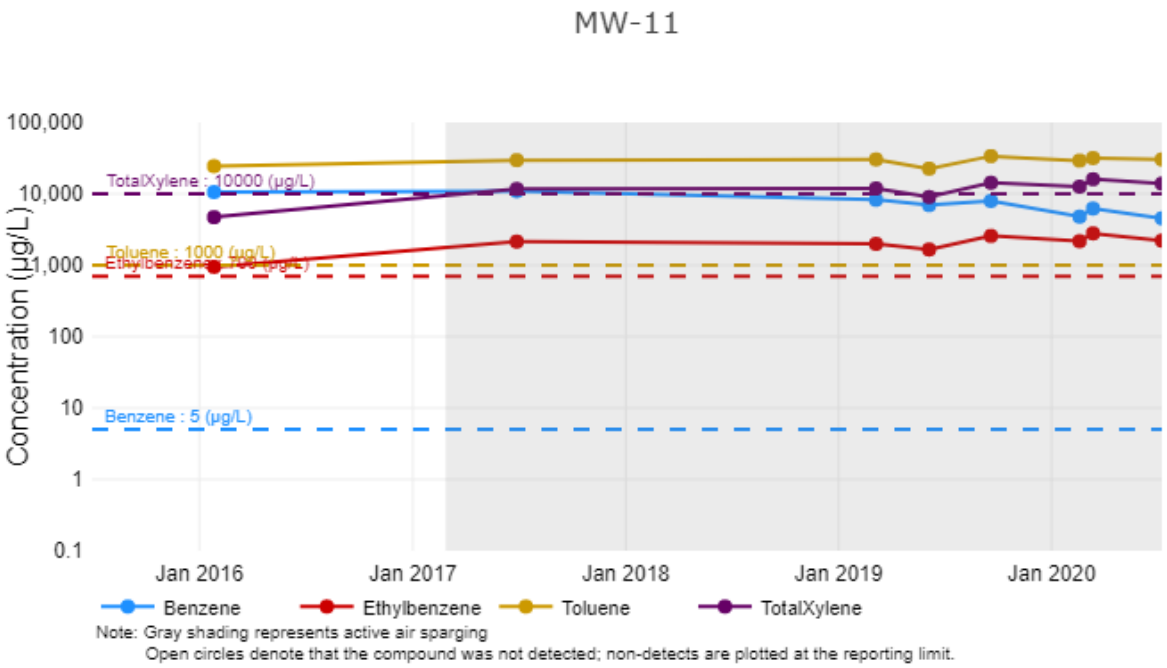
MW-50B

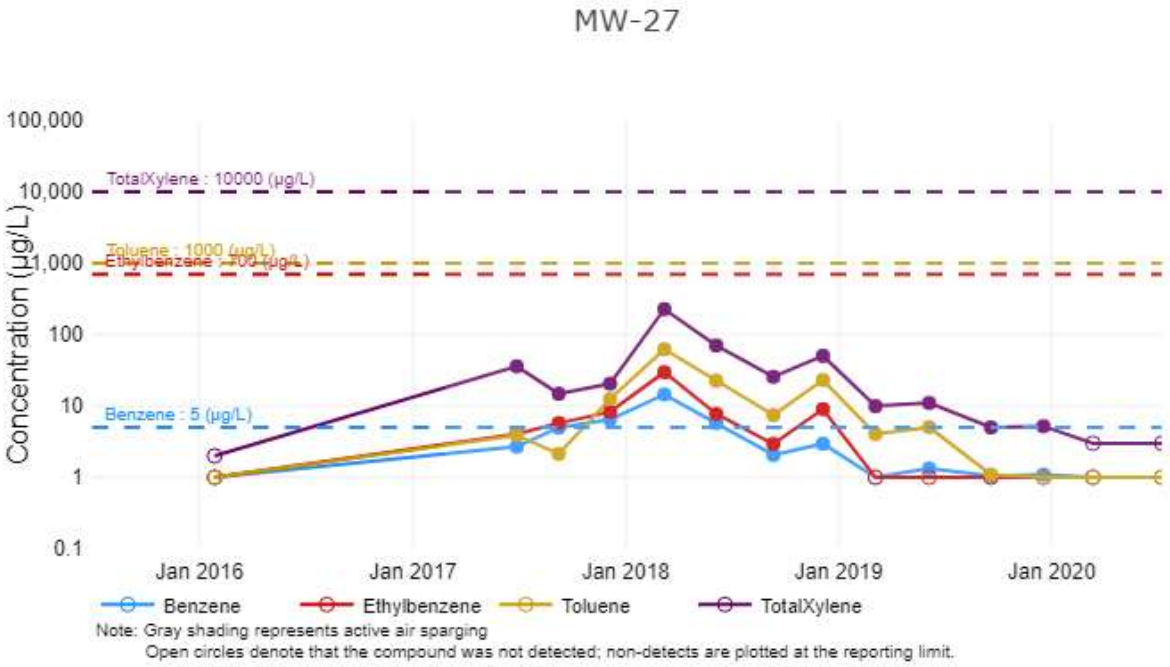


Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

Shallow Bedrock Monitoring Well Trends






MW-27
100,000
10,000
1,000
100
10
1
0.1
Concentration (µg/L)
TotalXylene : 10000 (µg/L)
Toluene : 1000 (µg/L)
Ethylbenzene : 700 (µg/L)
Benzene : 5 (µg/L)
Jan 2016
Jan 2017
Jan 2018
Jan 2019
Jan 2020
Benzene
Ethylbenzene
Toluene
TotalXylene
Note: Gray shading represents active air sparging
Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

Attachment D
Analytical Laboratory Reports

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 15, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1215723
Samples Received:	05/06/2020
Project Number:	KMLDOM20
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

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MW-37-050420 L1215723-01 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 12:05 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 22:45	05/07/20 22:45	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 19:04	05/08/20 19:04	ACG	Mt. Juliet, TN

MW-38B-050420 L1215723-02 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 12:25 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 19:23	05/08/20 19:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1474654	20	05/13/20 00:52	05/13/20 00:52	JHH	Mt. Juliet, TN

MW-38-050420 L1215723-03 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 14:25 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 23:21	05/07/20 23:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	10	05/08/20 20:21	05/08/20 20:21	ACG	Mt. Juliet, TN

MW-56-050420 L1215723-04 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 16:30 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	10	05/07/20 23:57	05/07/20 23:57	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 19:42	05/08/20 19:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1474654	1	05/13/20 01:12	05/13/20 01:12	JHH	Mt. Juliet, TN

MW-60-050420 L1215723-05 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 17:35 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472892	1	05/09/20 04:25	05/09/20 04:25	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1475425	10	05/13/20 16:58	05/13/20 16:58	ACG	Mt. Juliet, TN

MW-57-050420 L1215723-06 GW

Collected by: Melissa Warren | Collected date/time: 05/04/20 18:15 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	10	05/08/20 00:15	05/08/20 00:15	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472892	1	05/09/20 04:46	05/09/20 04:46	JHH	Mt. Juliet, TN

MW-46-050520 L1215723-07 GW

Collected by: Melissa Warren | Collected date/time: 05/05/20 10:20 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/08/20 00:33	05/08/20 00:33	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472892	1	05/09/20 05:06	05/09/20 05:06	JHH	Mt. Juliet, TN

MW-46-D-050520 L1215723-08 GW

Collected by: Melissa Warren
Collected date/time: 05/05/20 10:20
Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472892	1	05/09/20 05:26	05/09/20 05:26	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	54300		5000	1	05/07/2020 22:45	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 19:04	WG1472873
Toluene	ND		1.00	1	05/08/2020 19:04	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 19:04	WG1472873
Total Xylenes	ND		3.00	1	05/08/2020 19:04	WG1472873
Methyl tert-butyl ether	1.17		1.00	1	05/08/2020 19:04	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 19:04	WG1472873
1,2-Dichloroethane	ND		1.00	1	05/08/2020 19:04	WG1472873
(S) Toluene-d8	*106*		*80.0-120*		*05/08/2020 19:04*	WG1472873
(S) 4-Bromofluorobenzene	*89.8*		*77.0-126*		*05/08/2020 19:04*	WG1472873
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*05/08/2020 19:04*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1030		20.0	20	05/13/2020 00:52	WG1474654
Toluene	5.88		1.00	1	05/08/2020 19:23	WG1472873
Ethylbenzene	2.20		1.00	1	05/08/2020 19:23	WG1472873
Total Xylenes	249		3.00	1	05/08/2020 19:23	WG1472873
Methyl tert-butyl ether	122		1.00	1	05/08/2020 19:23	WG1472873
Naphthalene	11.3		5.00	1	05/08/2020 19:23	WG1472873
1,2-Dichloroethane	ND		1.00	1	05/08/2020 19:23	WG1472873
(S) Toluene-d8	*109*		*80.0-120*		*05/08/2020 19:23*	WG1472873
(S) Toluene-d8	*113*		*80.0-120*		*05/13/2020 00:52*	WG1474654
(S) 4-Bromofluorobenzene	*90.2*		*77.0-126*		*05/08/2020 19:23*	WG1472873
(S) 4-Bromofluorobenzene	*92.1*		*77.0-126*		*05/13/2020 00:52*	WG1474654
(S) 1,2-Dichloroethane-d4	*99.4*		*70.0-130*		*05/08/2020 19:23*	WG1472873
(S) 1,2-Dichloroethane-d4	*96.6*		*70.0-130*		*05/13/2020 00:52*	WG1474654

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	72100		5000	1	05/07/2020 23:21	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	858		10.0	10	05/08/2020 20:21	WG1472873
Toluene	ND		10.0	10	05/08/2020 20:21	WG1472873
Ethylbenzene	ND		10.0	10	05/08/2020 20:21	WG1472873
Total Xylenes	178		30.0	10	05/08/2020 20:21	WG1472873
Methyl tert-butyl ether	128		10.0	10	05/08/2020 20:21	WG1472873
Naphthalene	ND		50.0	10	05/08/2020 20:21	WG1472873
1,2-Dichloroethane	ND		10.0	10	05/08/2020 20:21	WG1472873
(S) Toluene-d8	*110*		*80.0-120*		*05/08/2020 20:21*	WG1472873
(S) 4-Bromofluorobenzene	*84.7*		*77.0-126*		*05/08/2020 20:21*	WG1472873
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/08/2020 20:21*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	63900		50000	10	05/07/2020 23:57	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.49		1.00	1	05/13/2020 01:12	WG1474654
Toluene	ND		1.00	1	05/08/2020 19:42	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 19:42	WG1472873
Total Xylenes	ND		3.00	1	05/08/2020 19:42	WG1472873
Methyl tert-butyl ether	95.1		1.00	1	05/08/2020 19:42	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 19:42	WG1472873
1,2-Dichloroethane	ND		1.00	1	05/08/2020 19:42	WG1472873
(S) Toluene-d8	*114*		*80.0-120*		*05/08/2020 19:42*	WG1472873
(S) Toluene-d8	*110*		*80.0-120*		*05/13/2020 01:12*	WG1474654
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*05/08/2020 19:42*	WG1472873
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*05/13/2020 01:12*	WG1474654
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*05/08/2020 19:42*	WG1472873
(S) 1,2-Dichloroethane-d4	*97.5*		*70.0-130*		*05/13/2020 01:12*	WG1474654

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	421		10.0	10	05/13/2020 16:58	WG1475425
Toluene	7.61		1.00	1	05/09/2020 04:25	WG1472892
Ethylbenzene	ND		1.00	1	05/09/2020 04:25	WG1472892
Total Xylenes	175		3.00	1	05/09/2020 04:25	WG1472892
Methyl tert-butyl ether	111		1.00	1	05/09/2020 04:25	WG1472892
Naphthalene	5.67		5.00	1	05/09/2020 04:25	WG1472892
1,2-Dichloroethane	ND		1.00	1	05/09/2020 04:25	WG1472892
(S) Toluene-d8	*112*		*80.0-120*		*05/09/2020 04:25*	WG1472892
(S) Toluene-d8	*115*		*80.0-120*		*05/13/2020 16:58*	WG1475425
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*05/09/2020 04:25*	WG1472892
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*05/13/2020 16:58*	WG1475425
(S) 1,2-Dichloroethane-d4	*95.2*		*70.0-130*		*05/09/2020 04:25*	WG1472892
(S) 1,2-Dichloroethane-d4	*98.2*		*70.0-130*		*05/13/2020 16:58*	WG1475425

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	73900		50000	10	05/08/2020 00:15	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	117		1.00	1	05/09/2020 04:46	WG1472892
Toluene	ND		1.00	1	05/09/2020 04:46	WG1472892
Ethylbenzene	ND		1.00	1	05/09/2020 04:46	WG1472892
Total Xylenes	10.3		3.00	1	05/09/2020 04:46	WG1472892
Methyl tert-butyl ether	119		1.00	1	05/09/2020 04:46	WG1472892
Naphthalene	ND		5.00	1	05/09/2020 04:46	WG1472892
1,2-Dichloroethane	ND		1.00	1	05/09/2020 04:46	WG1472892
(S) Toluene-d8	*109*		*80.0-120*		*05/09/2020 04:46*	WG1472892
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*05/09/2020 04:46*	WG1472892
(S) 1,2-Dichloroethane-d4	*95.9*		*70.0-130*		*05/09/2020 04:46*	WG1472892

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	14700		5000	1	05/08/2020 00:33	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.35		1.00	1	05/09/2020 05:06	WG1472892
Toluene	ND		1.00	1	05/09/2020 05:06	WG1472892
Ethylbenzene	ND		1.00	1	05/09/2020 05:06	WG1472892
Total Xylenes	ND		3.00	1	05/09/2020 05:06	WG1472892
Methyl tert-butyl ether	136		1.00	1	05/09/2020 05:06	WG1472892
Naphthalene	ND		5.00	1	05/09/2020 05:06	WG1472892
1,2-Dichloroethane	ND		1.00	1	05/09/2020 05:06	WG1472892
(S) Toluene-d8	*114*		*80.0-120*		*05/09/2020 05:06*	WG1472892
(S) 4-Bromofluorobenzene	*113*		*77.0-126*		*05/09/2020 05:06*	WG1472892
(S) 1,2-Dichloroethane-d4	*94.5*		*70.0-130*		*05/09/2020 05:06*	WG1472892

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	17.8		1.00	1	05/09/2020 05:26	WG1472892
Toluene	ND		1.00	1	05/09/2020 05:26	WG1472892
Ethylbenzene	ND		1.00	1	05/09/2020 05:26	WG1472892
Total Xylenes	3.91		3.00	1	05/09/2020 05:26	WG1472892
Methyl tert-butyl ether	127		1.00	1	05/09/2020 05:26	WG1472892
Naphthalene	ND		5.00	1	05/09/2020 05:26	WG1472892
1,2-Dichloroethane	ND		1.00	1	05/09/2020 05:26	WG1472892
(S) Toluene-d8	*113*		*80.0-120*		*05/09/2020 05:26*	WG1472892
(S) 4-Bromofluorobenzene	*113*		*77.0-126*		*05/09/2020 05:26*	WG1472892
(S) 1,2-Dichloroethane-d4	*95.3*		*70.0-130*		*05/09/2020 05:26*	WG1472892

Method Blank (MB)

(MB) R3526058-1 05/07/20 15:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		594	5000

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3526058-5 05/07/20 18:17

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate		41700	1	0.176		15

L1215723-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1215723-03 05/07/20 23:21 • (DUP) R3526058-7 05/07/20 23:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	72100	71900	1	0.279		15

Laboratory Control Sample (LCS)

(LCS) R3526058-2 05/07/20 15:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39700	99.3	80.0-120	

L1215681-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215681-01 05/07/20 17:05 • (MS) R3526058-3 05/07/20 17:23 • (MSD) R3526058-4 05/07/20 17:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	26700	75200	75200	97.1	97.0	1	80.0-120			0.0186	15

L1215723-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1215723-01 05/07/20 22:45 • (MS) R3526058-6 05/07/20 23:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	54300	99000	89.3	1	80.0-120	

Method Blank (MB)

(MB) R3527053-2 05/08/20 11:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527053-1 05/08/20 10:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.88	97.6	70.0-130	
1,2-Dichloroethane	5.00	5.30	106	70.0-130	
Ethylbenzene	5.00	5.19	104	70.0-130	
Methyl tert-butyl ether	5.00	4.87	97.4	70.0-130	
Naphthalene	5.00	4.38	87.6	70.0-130	
Toluene	5.00	5.54	111	70.0-130	
Xylenes, Total	15.0	15.5	103	70.0-130	
(S) Toluene-d8			*110*	*80.0-120*	
(S) 4-Bromofluorobenzene			*89.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3527487-2 05/09/20 04:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*111*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527487-1 05/09/20 03:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.97	99.4	70.0-130	
1,2-Dichloroethane	5.00	4.83	96.6	70.0-130	
Ethylbenzene	5.00	5.82	116	70.0-130	
Methyl tert-butyl ether	5.00	4.76	95.2	70.0-130	
Naphthalene	5.00	5.80	116	70.0-130	
Toluene	5.00	5.55	111	70.0-130	
Xylenes, Total	15.0	17.6	117	70.0-130	
(S) Toluene-d8			*110*	*80.0-120*	
(S) 4-Bromofluorobenzene			*109*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.7*	*70.0-130*	

Method Blank (MB)

(MB) R3527321-2 05/12/20 19:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527321-1 05/12/20 18:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*97.6*	*70.0-130*	

Method Blank (MB)

(MB) R3527802-2 05/13/20 15:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527802-1 05/13/20 14:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.23	105	70.0-130	
(S) Toluene-d8			*112*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

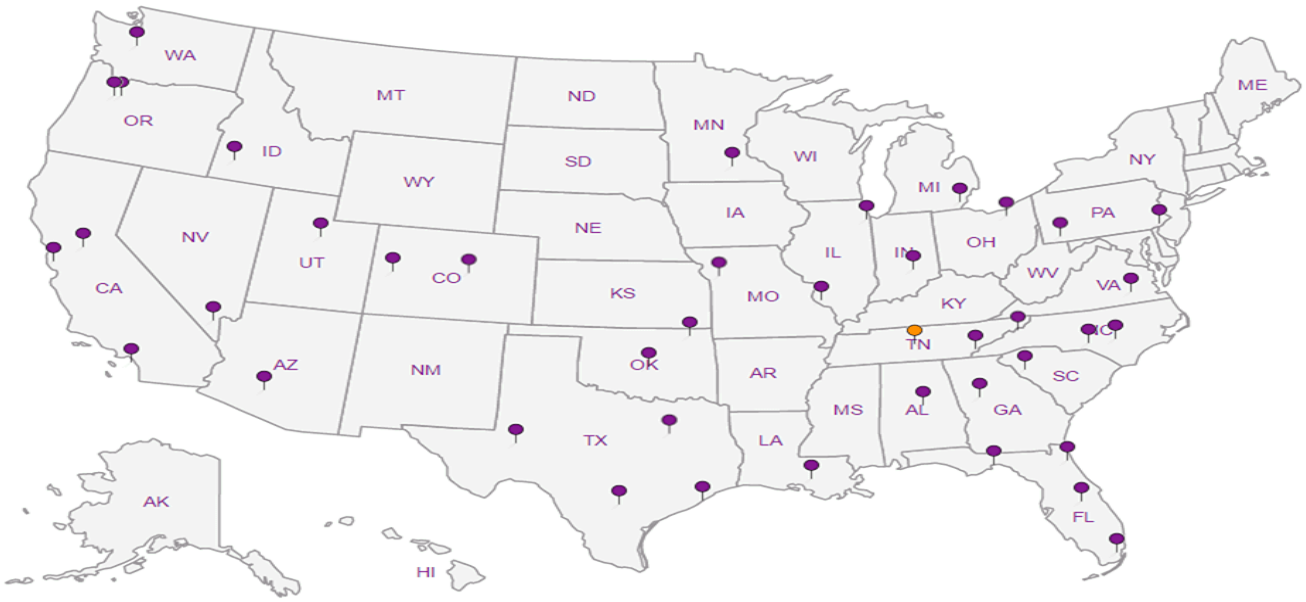
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: **Bethany Garvey**

Email To: bethany.garvey@jacobs.com; tom.wiley@jacobs.com

Project Description: **Lewis Drive Groundwater**

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: **770-604-9182**
Fax:

Client Project # KMLDOM20

Lab Project # **KINCH2MGA-LEWIS12**

Collected by (print): Melissa Warren

Site/Facility ID # Lewis Drive

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Sulfate/9056							Remarks	Sample # (lab only)
mw-37-050420	Grab	GW		5.4.20	1205	4	X		X								-01
mw-38B-050420		GW		5.4.20	1225	3	X										02
mw-38-050420		GW		5.4.20	1425	4	X		X								03
mw-56-050420		GW		5.4.20	1630	4	X		X								04
mw-60-050420		GW		5.4.20	1735	3	X										05
mw-57-050420		GW	7	5.4.20	1815	4	X		X								06
mw-46-050520		GW	13	5.5.20	1020	4	X		X								07
mw-46-D-050520		GW	13	5.5.20	1020	3	X										08
		GW				3	X										
		GW				3	X										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:V8260BTEXMNSC=BTEX, MTBE, Naphthalene, and 1,2-DCA.
TBW, EBW are listed on the surface water COC.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1790 3022 0511

Trip Blank Received: Yes / (No)
HCL / MeoH
TBR

Temp: 1.5, 1=1.6 °C Bottles Received: 29

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/5/20	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 5-6-20 Time: 0845

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1213723
D239

Acctnum: **KINCH2MGA**
Template: **T155769**
Prelogin: **P746132**
PM: **526 - Chris McCord**
PB: 12-11-19
Shipped Via: **FedEx Ground**

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 15, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1216340
Samples Received:	05/07/2020
Project Number:	KMLD0M20
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

MW-45-050620 L1216340-01 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 12:40 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 20:17	05/08/20 20:17	JHH	Mt. Juliet, TN

MW-07-050620 L1216340-02 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 13:05 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	5	05/08/20 20:37	05/08/20 20:37	JHH	Mt. Juliet, TN

MW-15B-050620 L1216340-03 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 14:15 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	20	05/08/20 20:58	05/08/20 20:58	JHH	Mt. Juliet, TN

MW-13B-050620 L1216340-04 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 13:45 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	5	05/08/20 21:19	05/08/20 21:19	JHH	Mt. Juliet, TN

MW-50B-050620 L1216340-05 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 13:55 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 21:39	05/08/20 21:39	JHH	Mt. Juliet, TN

MW-23-050620 L1216340-06 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 16:24 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	20	05/08/20 22:00	05/08/20 22:00	JHH	Mt. Juliet, TN

MW-36-050620 L1216340-07 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 15:40 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 22:20	05/08/20 22:20	JHH	Mt. Juliet, TN

MW-12B-050620 L1216340-08 GW

Collected by: Bethany Garvey | Collected date/time: 05/06/20 14:30 | Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 22:41	05/08/20 22:41	JHH	Mt. Juliet, TN

FB02-050620 L1216340-09 GW

Collected by: Bethany Garvey
Collected date/time: 05/06/20 16:55
Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 23:01	05/08/20 23:01	JHH	Mt. Juliet, TN

TB02-050620 L1216340-10 GW

Collected by: Bethany Garvey
Collected date/time: 05/06/20 00:00
Received date/time: 05/07/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473102	1	05/08/20 19:57	05/08/20 19:57	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 20:17	WG1473102
Toluene	ND		1.00	1	05/08/2020 20:17	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 20:17	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 20:17	WG1473102
Methyl tert-butyl ether	5.40		1.00	1	05/08/2020 20:17	WG1473102
Naphthalene	ND		5.00	1	05/08/2020 20:17	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 20:17	WG1473102
(S) Toluene-d8	*114*		*80.0-120*		*05/08/2020 20:17*	WG1473102
(S) 4-Bromofluorobenzene	*112*		*77.0-126*		*05/08/2020 20:17*	WG1473102
(S) 1,2-Dichloroethane-d4	*97.3*		*70.0-130*		*05/08/2020 20:17*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	69.5		5.00	5	05/08/2020 20:37	WG1473102
Toluene	508		5.00	5	05/08/2020 20:37	WG1473102
Ethylbenzene	122		5.00	5	05/08/2020 20:37	WG1473102
Total Xylenes	1130		15.0	5	05/08/2020 20:37	WG1473102
Methyl tert-butyl ether	ND		5.00	5	05/08/2020 20:37	WG1473102
Naphthalene	35.9		25.0	5	05/08/2020 20:37	WG1473102
1,2-Dichloroethane	ND		5.00	5	05/08/2020 20:37	WG1473102
(S) Toluene-d8	*111*		*80.0-120*		*05/08/2020 20:37*	WG1473102
(S) 4-Bromofluorobenzene	*111*		*77.0-126*		*05/08/2020 20:37*	WG1473102
(S) 1,2-Dichloroethane-d4	*96.4*		*70.0-130*		*05/08/2020 20:37*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2510		20.0	20	05/08/2020 20:58	WG1473102
Toluene	1050		20.0	20	05/08/2020 20:58	WG1473102
Ethylbenzene	136		20.0	20	05/08/2020 20:58	WG1473102
Total Xylenes	1630		60.0	20	05/08/2020 20:58	WG1473102
Methyl tert-butyl ether	167		20.0	20	05/08/2020 20:58	WG1473102
Naphthalene	ND		100	20	05/08/2020 20:58	WG1473102
1,2-Dichloroethane	ND		20.0	20	05/08/2020 20:58	WG1473102
(S) Toluene-d8	*113*		*80.0-120*		*05/08/2020 20:58*	WG1473102
(S) 4-Bromofluorobenzene	*113*		*77.0-126*		*05/08/2020 20:58*	WG1473102
(S) 1,2-Dichloroethane-d4	*93.1*		*70.0-130*		*05/08/2020 20:58*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	991		5.00	5	05/08/2020 21:19	WG1473102
Toluene	106		5.00	5	05/08/2020 21:19	WG1473102
Ethylbenzene	41.8		5.00	5	05/08/2020 21:19	WG1473102
Total Xylenes	293		15.0	5	05/08/2020 21:19	WG1473102
Methyl tert-butyl ether	145		5.00	5	05/08/2020 21:19	WG1473102
Naphthalene	ND		25.0	5	05/08/2020 21:19	WG1473102
1,2-Dichloroethane	ND		5.00	5	05/08/2020 21:19	WG1473102
(S) Toluene-d8	*114*		*80.0-120*		*05/08/2020 21:19*	WG1473102
(S) 4-Bromofluorobenzene	*114*		*77.0-126*		*05/08/2020 21:19*	WG1473102
(S) 1,2-Dichloroethane-d4	*96.3*		*70.0-130*		*05/08/2020 21:19*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	39.0		1.00	1	05/08/2020 21:39	WG1473102
Toluene	ND		1.00	1	05/08/2020 21:39	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 21:39	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 21:39	WG1473102
Methyl tert-butyl ether	65.0		1.00	1	05/08/2020 21:39	WG1473102
Naphthalene	ND		5.00	1	05/08/2020 21:39	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 21:39	WG1473102
(S) Toluene-d8	*115*		*80.0-120*		*05/08/2020 21:39*	WG1473102
(S) 4-Bromofluorobenzene	*112*		*77.0-126*		*05/08/2020 21:39*	WG1473102
(S) 1,2-Dichloroethane-d4	*94.2*		*70.0-130*		*05/08/2020 21:39*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1660		20.0	20	05/08/2020 22:00	WG1473102
Toluene	1220		20.0	20	05/08/2020 22:00	WG1473102
Ethylbenzene	119		20.0	20	05/08/2020 22:00	WG1473102
Total Xylenes	1430		60.0	20	05/08/2020 22:00	WG1473102
Methyl tert-butyl ether	25.0		20.0	20	05/08/2020 22:00	WG1473102
Naphthalene	ND		100	20	05/08/2020 22:00	WG1473102
1,2-Dichloroethane	ND		20.0	20	05/08/2020 22:00	WG1473102
(S) Toluene-d8	*112*		*80.0-120*		*05/08/2020 22:00*	WG1473102
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*05/08/2020 22:00*	WG1473102
(S) 1,2-Dichloroethane-d4	*96.5*		*70.0-130*		*05/08/2020 22:00*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.72		1.00	1	05/08/2020 22:20	WG1473102
Toluene	ND		1.00	1	05/08/2020 22:20	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 22:20	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 22:20	WG1473102
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 22:20	WG1473102
Naphthalene	ND		5.00	1	05/08/2020 22:20	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 22:20	WG1473102
(S) Toluene-d8	*113*		*80.0-120*		*05/08/2020 22:20*	WG1473102
(S) 4-Bromofluorobenzene	*111*		*77.0-126*		*05/08/2020 22:20*	WG1473102
(S) 1,2-Dichloroethane-d4	*90.8*		*70.0-130*		*05/08/2020 22:20*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	23.9		1.00	1	05/08/2020 22:41	WG1473102
Toluene	ND		1.00	1	05/08/2020 22:41	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 22:41	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 22:41	WG1473102
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 22:41	WG1473102
Naphthalene	9.01		5.00	1	05/08/2020 22:41	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 22:41	WG1473102
(S) Toluene-d8	*112*		*80.0-120*		*05/08/2020 22:41*	WG1473102
(S) 4-Bromofluorobenzene	*111*		*77.0-126*		*05/08/2020 22:41*	WG1473102
(S) 1,2-Dichloroethane-d4	*95.0*		*70.0-130*		*05/08/2020 22:41*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 23:01	WG1473102
Toluene	ND		1.00	1	05/08/2020 23:01	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 23:01	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 23:01	WG1473102
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 23:01	WG1473102
Naphthalene	ND		5.00	1	05/08/2020 23:01	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 23:01	WG1473102
(S) Toluene-d8	*111*		*80.0-120*		*05/08/2020 23:01*	WG1473102
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*05/08/2020 23:01*	WG1473102
(S) 1,2-Dichloroethane-d4	*97.3*		*70.0-130*		*05/08/2020 23:01*	WG1473102

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 19:57	WG1473102
Toluene	ND		1.00	1	05/08/2020 19:57	WG1473102
Ethylbenzene	ND		1.00	1	05/08/2020 19:57	WG1473102
Total Xylenes	ND		3.00	1	05/08/2020 19:57	WG1473102
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 19:57	WG1473102
Naphthalene	ND		5.00	1	05/08/2020 19:57	WG1473102
1,2-Dichloroethane	ND		1.00	1	05/08/2020 19:57	WG1473102
(S) Toluene-d8	*115*		*80.0-120*		*05/08/2020 19:57*	WG1473102
(S) 4-Bromofluorobenzene	*113*		*77.0-126*		*05/08/2020 19:57*	WG1473102
(S) 1,2-Dichloroethane-d4	*97.6*		*70.0-130*		*05/08/2020 19:57*	WG1473102

Method Blank (MB)

(MB) R3527488-2 05/08/20 18:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*110*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527488-1 05/08/20 17:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.95	99.0	70.0-130	
1,2-Dichloroethane	5.00	4.65	93.0	70.0-130	
Ethylbenzene	5.00	5.80	116	70.0-130	
Methyl tert-butyl ether	5.00	4.90	98.0	70.0-130	
Naphthalene	5.00	6.10	122	70.0-130	
Toluene	5.00	5.59	112	70.0-130	
Xylenes, Total	15.0	17.7	118	70.0-130	
(S) Toluene-d8			*111*	*80.0-120*	
(S) 4-Bromofluorobenzene			*110*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.0*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

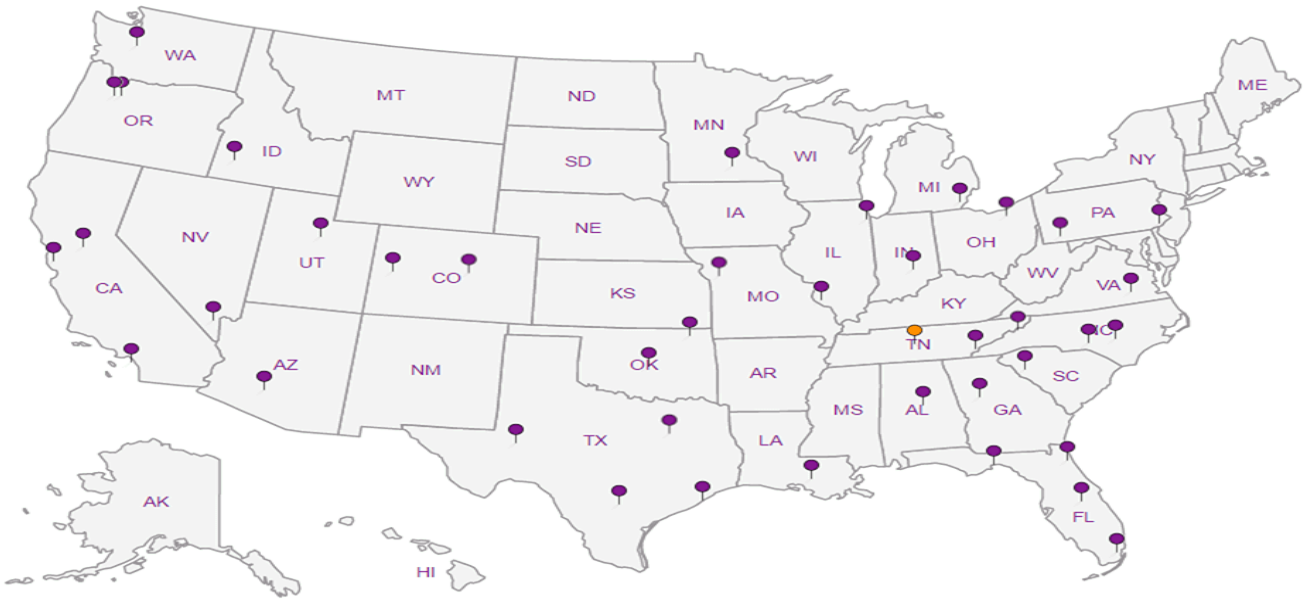
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com; tom.wiley@jacobs.com

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project # KMLDOM20

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Bethany Garvey

Site/Facility ID # Lewis Drive

P.O. #

Collected by (signature): Bethany Garvey
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1216340

Table # A001

Acctnum: KINCH2MGA

Template: T155769

Prelogin: P746132

PM: 526 - Chris McCord

PB: 12-11-19 GM

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-45-050620	Grab	GW	10	5.6.20	1240	3	X			-01
MW-07-050620	"	GW	9	"	1305	3	X			02
~~MW-17B-050620~~	"	GW		"		3	X	Product in well. Sample not collected.		
MW-15B-050620	"	GW	75	"	1415	3	X			03
MW-13B-050620	"	GW	52	"	1345	3	X			04
MW-50B-050620	"	GW	100	"	1355	3	X			05
MW-23-050620	"	GW		"	1624	3	X			06
MW-36-050620	"	GW		"	1540	3	X			07
MW-~~35~~ 12B-050620	"	GW	38	"	1430	3	X			08
FB02-050620	Grab	~~GW~~ W8	=	5.6.20	1655	3	X			09
~~MTB02-050620~~										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX, MTBE, Naphthalene, and 1,2-DCA 31 X -10

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 138248219618

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature) Bethany Garvey	5.6.20	1715	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.8 °C Bottles Received: 27
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/7/20 Time: 0846

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 17, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1237526
Samples Received:	07/08/2020
Project Number:	KMLD0M200
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

MW-01-070720 L1237526-01 GW

Collected by: Alex F | Collected date/time: 07/07/20 13:00 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/09/20 23:23	07/09/20 23:23	JCP	Mt. Juliet, TN

MW-01B-070720 L1237526-02 GW

Collected by: Alex F | Collected date/time: 07/07/20 14:10 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/09/20 23:43	07/09/20 23:43	JCP	Mt. Juliet, TN

MW-29-070720 L1237526-03 GW

Collected by: Alex F | Collected date/time: 07/07/20 14:40 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 00:03	07/10/20 00:03	JCP	Mt. Juliet, TN

MW-19-070720 L1237526-04 GW

Collected by: Alex F | Collected date/time: 07/07/20 14:55 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 00:23	07/10/20 00:23	JCP	Mt. Juliet, TN

MW-17-070720 L1237526-05 GW

Collected by: Alex F | Collected date/time: 07/07/20 15:20 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 00:43	07/10/20 00:43	JCP	Mt. Juliet, TN

MW-21-070720 L1237526-06 GW

Collected by: Alex F | Collected date/time: 07/07/20 15:30 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 01:03	07/10/20 01:03	JCP	Mt. Juliet, TN

MW-23B-070720 L1237526-07 GW

Collected by: Alex F | Collected date/time: 07/07/20 15:50 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 01:22	07/10/20 01:22	JCP	Mt. Juliet, TN

MW-26B-070720 L1237526-08 GW

Collected by: Alex F | Collected date/time: 07/07/20 16:10 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 01:42	07/10/20 01:42	JCP	Mt. Juliet, TN

MW-26-070720 L1237526-09 GW

Collected by: Alex F | Collected date/time: 07/07/20 16:20 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 02:02	07/10/20 02:02	JCP	Mt. Juliet, TN

MW-45B-070720 L1237526-10 GW

Collected by: Alex F | Collected date/time: 07/07/20 16:30 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 02:22	07/10/20 02:22	JCP	Mt. Juliet, TN

MW-60-070720 L1237526-11 GW

Collected by: Alex F | Collected date/time: 07/07/20 16:40 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/10/20 02:42	07/10/20 02:42	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1509057	20	07/15/20 04:46	07/15/20 04:46	AV	Mt. Juliet, TN

TB-02-070720 L1237526-12 GW

Collected by: Alex F | Collected date/time: 07/07/20 17:40 | Received date/time: 07/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506763	1	07/09/20 22:23	07/09/20 22:23	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/09/2020 23:23	WG1506763
Toluene	ND		1.00	1	07/09/2020 23:23	WG1506763
Ethylbenzene	ND		1.00	1	07/09/2020 23:23	WG1506763
Total Xylenes	ND		3.00	1	07/09/2020 23:23	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/09/2020 23:23	WG1506763
Naphthalene	ND	J0	5.00	1	07/09/2020 23:23	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/09/2020 23:23	WG1506763
(S) Toluene-d8	*98.1*		*80.0-120*		*07/09/2020 23:23*	WG1506763
(S) 4-Bromofluorobenzene	*89.3*		*77.0-126*		*07/09/2020 23:23*	WG1506763
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/09/2020 23:23*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	5.56		1.00	1	07/09/2020 23:43	WG1506763
Toluene	ND		1.00	1	07/09/2020 23:43	WG1506763
Ethylbenzene	ND		1.00	1	07/09/2020 23:43	WG1506763
Total Xylenes	ND		3.00	1	07/09/2020 23:43	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/09/2020 23:43	WG1506763
Naphthalene	ND	J0	5.00	1	07/09/2020 23:43	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/09/2020 23:43	WG1506763
(S) Toluene-d8	*102*		*80.0-120*		*07/09/2020 23:43*	WG1506763
(S) 4-Bromofluorobenzene	*88.6*		*77.0-126*		*07/09/2020 23:43*	WG1506763
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*07/09/2020 23:43*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 00:03	WG1506763
Toluene	ND		1.00	1	07/10/2020 00:03	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 00:03	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 00:03	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 00:03	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 00:03	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 00:03	WG1506763
(S) Toluene-d8	*102*		*80.0-120*		*07/10/2020 00:03*	WG1506763
(S) 4-Bromofluorobenzene	*94.8*		*77.0-126*		*07/10/2020 00:03*	WG1506763
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*07/10/2020 00:03*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 00:23	WG1506763
Toluene	ND		1.00	1	07/10/2020 00:23	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 00:23	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 00:23	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 00:23	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 00:23	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 00:23	WG1506763
(S) Toluene-d8	*99.1*		*80.0-120*		*07/10/2020 00:23*	WG1506763
(S) 4-Bromofluorobenzene	*90.2*		*77.0-126*		*07/10/2020 00:23*	WG1506763
(S) 1,2-Dichloroethane-d4	*137*	J1	*70.0-130*		*07/10/2020 00:23*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.21		1.00	1	07/10/2020 00:43	WG1506763
Toluene	1.44		1.00	1	07/10/2020 00:43	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 00:43	WG1506763
Total Xylenes	5.46		3.00	1	07/10/2020 00:43	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 00:43	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 00:43	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 00:43	WG1506763
(S) Toluene-d8	*99.3*		*80.0-120*		*07/10/2020 00:43*	WG1506763
(S) 4-Bromofluorobenzene	*94.8*		*77.0-126*		*07/10/2020 00:43*	WG1506763
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*07/10/2020 00:43*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 01:03	WG1506763
Toluene	ND		1.00	1	07/10/2020 01:03	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 01:03	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 01:03	WG1506763
Methyl tert-butyl ether	1.20		1.00	1	07/10/2020 01:03	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 01:03	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 01:03	WG1506763
(S) Toluene-d8	*95.8*		*80.0-120*		*07/10/2020 01:03*	WG1506763
(S) 4-Bromofluorobenzene	*87.8*		*77.0-126*		*07/10/2020 01:03*	WG1506763
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*07/10/2020 01:03*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 01:22	WG1506763
Toluene	ND		1.00	1	07/10/2020 01:22	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 01:22	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 01:22	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 01:22	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 01:22	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 01:22	WG1506763
(S) Toluene-d8	*95.4*		*80.0-120*		*07/10/2020 01:22*	WG1506763
(S) 4-Bromofluorobenzene	*89.5*		*77.0-126*		*07/10/2020 01:22*	WG1506763
(S) 1,2-Dichloroethane-d4	*126*		*70.0-130*		*07/10/2020 01:22*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 01:42	WG1506763
Toluene	ND		1.00	1	07/10/2020 01:42	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 01:42	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 01:42	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 01:42	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 01:42	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 01:42	WG1506763
(S) Toluene-d8	*100*		*80.0-120*		*07/10/2020 01:42*	WG1506763
(S) 4-Bromofluorobenzene	*86.9*		*77.0-126*		*07/10/2020 01:42*	WG1506763
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*07/10/2020 01:42*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 02:02	WG1506763
Toluene	ND		1.00	1	07/10/2020 02:02	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 02:02	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 02:02	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 02:02	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 02:02	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 02:02	WG1506763
(S) Toluene-d8	*101*		*80.0-120*		*07/10/2020 02:02*	WG1506763
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*07/10/2020 02:02*	WG1506763
(S) 1,2-Dichloroethane-d4	*126*		*70.0-130*		*07/10/2020 02:02*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 02:22	WG1506763
Toluene	ND		1.00	1	07/10/2020 02:22	WG1506763
Ethylbenzene	ND		1.00	1	07/10/2020 02:22	WG1506763
Total Xylenes	ND		3.00	1	07/10/2020 02:22	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 02:22	WG1506763
Naphthalene	ND	J0	5.00	1	07/10/2020 02:22	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 02:22	WG1506763
(S) Toluene-d8	*96.6*		*80.0-120*		*07/10/2020 02:22*	WG1506763
(S) 4-Bromofluorobenzene	*88.2*		*77.0-126*		*07/10/2020 02:22*	WG1506763
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*07/10/2020 02:22*	WG1506763

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	970		20.0	20	07/15/2020 04:46	WG1509057
Toluene	15.4		1.00	1	07/10/2020 02:42	WG1506763
Ethylbenzene	1.19		1.00	1	07/10/2020 02:42	WG1506763
Total Xylenes	252		3.00	1	07/10/2020 02:42	WG1506763
Methyl tert-butyl ether	145		1.00	1	07/10/2020 02:42	WG1506763
Naphthalene	10.3	J0	5.00	1	07/10/2020 02:42	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/10/2020 02:42	WG1506763
(S) Toluene-d8	*99.7*		*80.0-120*		*07/10/2020 02:42*	WG1506763
(S) Toluene-d8	*102*		*80.0-120*		*07/15/2020 04:46*	WG1509057
(S) 4-Bromofluorobenzene	*91.7*		*77.0-126*		*07/10/2020 02:42*	WG1506763
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*07/15/2020 04:46*	WG1509057
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/10/2020 02:42*	WG1506763
(S) 1,2-Dichloroethane-d4	*99.5*		*70.0-130*		*07/15/2020 04:46*	WG1509057

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/09/2020 22:23	WG1506763
Toluene	ND		1.00	1	07/09/2020 22:23	WG1506763
Ethylbenzene	ND		1.00	1	07/09/2020 22:23	WG1506763
Total Xylenes	ND		3.00	1	07/09/2020 22:23	WG1506763
Methyl tert-butyl ether	ND		1.00	1	07/09/2020 22:23	WG1506763
Naphthalene	ND	J0	5.00	1	07/09/2020 22:23	WG1506763
1,2-Dichloroethane	ND		1.00	1	07/09/2020 22:23	WG1506763
(S) Toluene-d8	*96.1*		*80.0-120*		*07/09/2020 22:23*	WG1506763
(S) 4-Bromofluorobenzene	*85.7*		*77.0-126*		*07/09/2020 22:23*	WG1506763
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/09/2020 22:23*	WG1506763

Method Blank (MB)

(MB) R3548350-2 07/09/20 19:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*99.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3548350-1 07/09/20 19:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.12	102	70.0-130	
1,2-Dichloroethane	5.00	5.78	116	70.0-130	
Ethylbenzene	5.00	4.53	90.6	70.0-130	
Methyl tert-butyl ether	5.00	5.50	110	70.0-130	
Naphthalene	5.00	3.87	77.4	70.0-130	
Toluene	5.00	4.50	90.0	70.0-130	
Xylenes, Total	15.0	13.1	87.3	70.0-130	
(S) Toluene-d8			*94.7*	*80.0-120*	
(S) 4-Bromofluorobenzene			*87.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*115*	*70.0-130*	

Method Blank (MB)

(MB) R3549628-3 07/15/20 01:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	*98.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3549628-1 07/15/20 00:08 • (LCSD) R3549628-2 07/15/20 00:28

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	5.98	6.16	120	123	70.0-130			2.97	20
(S) Toluene-d8				*98.8*	*99.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.1*	*98.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*99.8*	*100*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

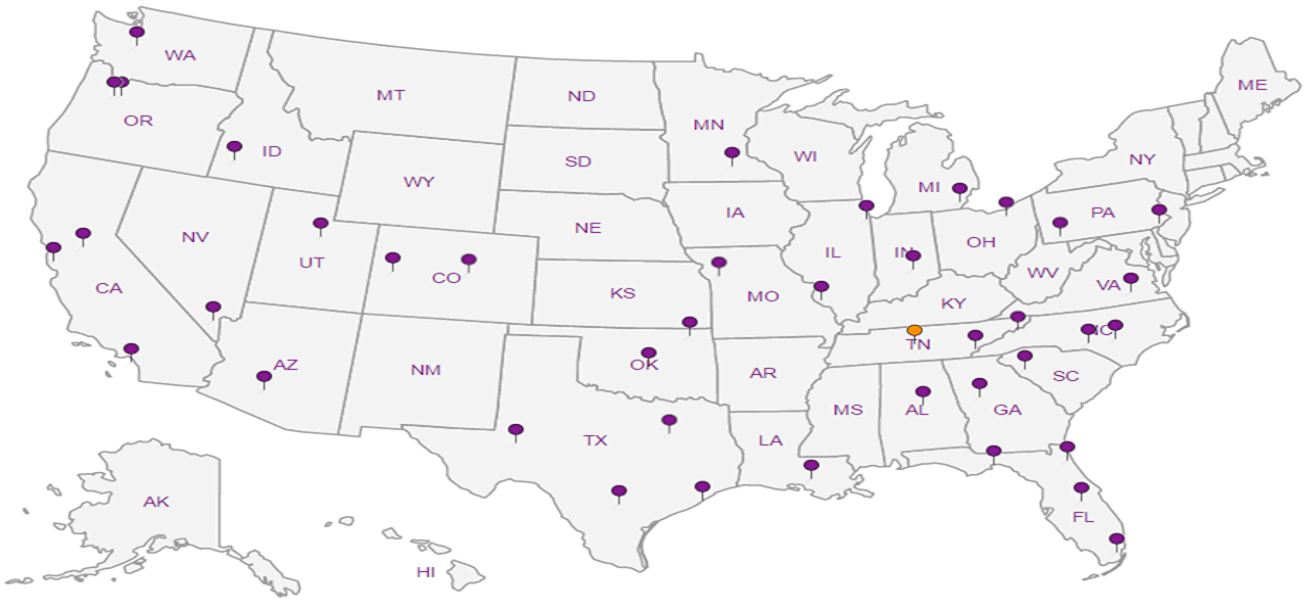
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KNLD0M20D

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Alex Evans

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

V8260BTEXMNSC 40mlAmb-HCl

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1237526

D041

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P784097

PM: 526 - Chris McCord

PB: 7-1-2020 GM

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-01-070720	Grab	GW	10'	7/7/20	1300	3	X		-01
MW-01B-070720		GW	35'		1410	3	X		02
MW-29-070720		GW	13'		1440	3	X		03
MW-19-070720		GW	9.5'		1455	3	X		04
MW-17-070720		GW	10.5'		1520	3	X		05
MW-21-070720		GW	17'		1530	3	X		06
MW-23B-070720		GW	47'		1550	3	X		07
MW-26B-070720		GW	35'		1610	3	X		08
MW-26-070720		GW	12'		1620	3	X		09
MW-45B-070720		GW	45'		1630	3	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9375

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	7/7/20	17:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Wet Ice 3.1 +.1 -3.2 Bottles Received: 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/08/2020 Time: 8:30	Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk: ✓

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDOM2020

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Alex Powers

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl									Remarks	Sample # (lab only)
MW-60-070720	Grab	GW	13'	7/7/20	1640	3	X										-11
TB-02-070720	Grab	GW	0'	7/7/20	1540	3	X										12
		GW				3	X										
		GW				3	X										
		GW				3	X										

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1237526

Table #

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P784097

PM: 526 - Chris McCord

PB: 7-1-2020

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking # 1922 0803 9375

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	7/7/20	17:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1+.1=3.2 °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/08/2020 Time: 8:30	Hold: / Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 17, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1237550
Samples Received:	07/08/2020
Project Number:	KMLDOM2020
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-47-070720 L1237550-01 GW

Collected by: Alex F | Collected date/time: 07/07/20 12:05 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 01:34	07/10/20 01:34	BMB	Mt. Juliet, TN

MW-18-070720 L1237550-02 GW

Collected by: Alex F | Collected date/time: 07/07/20 12:20 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 01:57	07/10/20 01:57	BMB	Mt. Juliet, TN

FB-01-070720 L1237550-03 GW

Collected by: Alex F | Collected date/time: 07/07/20 17:15 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/09/20 23:11	07/09/20 23:11	BMB	Mt. Juliet, TN

TB-01-070720 L1237550-04 GW

Collected by: Alex F | Collected date/time: 07/07/20 17:30 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/09/20 23:35	07/09/20 23:35	BMB	Mt. Juliet, TN

MW-36B-070720 L1237550-05 GW

Collected by: Alex F | Collected date/time: 07/07/20 09:25 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 02:21	07/10/20 02:21	BMB	Mt. Juliet, TN

MW-55-070720 L1237550-06 GW

Collected by: Alex F | Collected date/time: 07/07/20 09:35 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 02:45	07/10/20 02:45	BMB	Mt. Juliet, TN

MW-53-070720 L1237550-07 GW

Collected by: Alex F | Collected date/time: 07/07/20 10:10 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 03:09	07/10/20 03:09	BMB	Mt. Juliet, TN

MW-54-070720 L1237550-08 GW

Collected by: Alex F | Collected date/time: 07/07/20 10:20 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 03:33	07/10/20 03:33	BMB	Mt. Juliet, TN

MW-32-070720 L1237550-09 GW

Collected by: Alex F | Collected date/time: 07/07/20 10:35 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 03:56	07/10/20 03:56	BMB	Mt. Juliet, TN

MW-04-070720 L1237550-10 GW

Collected by: Alex F | Collected date/time: 07/07/20 10:50 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 04:20	07/10/20 04:20	BMB	Mt. Juliet, TN

MW-06B-070720 L1237550-11 GW

Collected by: Alex F | Collected date/time: 07/07/20 11:05 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 04:44	07/10/20 04:44	BMB	Mt. Juliet, TN

MW-09-070720 L1237550-12 GW

Collected by: Alex F | Collected date/time: 07/07/20 11:25 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 05:08	07/10/20 05:08	BMB	Mt. Juliet, TN

MW-09B-070720 L1237550-13 GW

Collected by: Alex F | Collected date/time: 07/07/20 11:35 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 05:32	07/10/20 05:32	BMB	Mt. Juliet, TN

MW-33T-070720 L1237550-14 GW

Collected by: Alex F | Collected date/time: 07/07/20 11:50 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1506783	1	07/10/20 05:55	07/10/20 05:55	BMB	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 01:34	WG1506783
Toluene	ND		1.00	1	07/10/2020 01:34	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 01:34	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 01:34	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 01:34	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 01:34	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 01:34	WG1506783
(S) Toluene-d8	*105*		*80.0-120*		*07/10/2020 01:34*	WG1506783
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*07/10/2020 01:34*	WG1506783
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/10/2020 01:34*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 01:57	WG1506783
Toluene	1.85		1.00	1	07/10/2020 01:57	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 01:57	WG1506783
Total Xylenes	8.84		3.00	1	07/10/2020 01:57	WG1506783
Methyl tert-butyl ether	8.53		1.00	1	07/10/2020 01:57	WG1506783
Naphthalene	29.8		5.00	1	07/10/2020 01:57	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 01:57	WG1506783
(S) Toluene-d8	*113*		*80.0-120*		*07/10/2020 01:57*	WG1506783
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*07/10/2020 01:57*	WG1506783
(S) 1,2-Dichloroethane-d4	*133*	J1	*70.0-130*		*07/10/2020 01:57*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/09/2020 23:11	WG1506783
Toluene	ND		1.00	1	07/09/2020 23:11	WG1506783
Ethylbenzene	ND		1.00	1	07/09/2020 23:11	WG1506783
Total Xylenes	ND		3.00	1	07/09/2020 23:11	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/09/2020 23:11	WG1506783
Naphthalene	ND		5.00	1	07/09/2020 23:11	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/09/2020 23:11	WG1506783
(S) Toluene-d8	*107*		*80.0-120*		*07/09/2020 23:11*	WG1506783
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/09/2020 23:11*	WG1506783
(S) 1,2-Dichloroethane-d4	*128*		*70.0-130*		*07/09/2020 23:11*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/09/2020 23:35	WG1506783
Toluene	ND		1.00	1	07/09/2020 23:35	WG1506783
Ethylbenzene	ND		1.00	1	07/09/2020 23:35	WG1506783
Total Xylenes	ND		3.00	1	07/09/2020 23:35	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/09/2020 23:35	WG1506783
Naphthalene	ND		5.00	1	07/09/2020 23:35	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/09/2020 23:35	WG1506783
(S) Toluene-d8	*106*		*80.0-120*		*07/09/2020 23:35*	WG1506783
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*07/09/2020 23:35*	WG1506783
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/09/2020 23:35*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 02:21	WG1506783
Toluene	ND		1.00	1	07/10/2020 02:21	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 02:21	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 02:21	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 02:21	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 02:21	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 02:21	WG1506783
(S) Toluene-d8	*106*		*80.0-120*		*07/10/2020 02:21*	WG1506783
(S) 4-Bromofluorobenzene	*111*		*77.0-126*		*07/10/2020 02:21*	WG1506783
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*07/10/2020 02:21*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 02:45	WG1506783
Toluene	ND		1.00	1	07/10/2020 02:45	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 02:45	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 02:45	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 02:45	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 02:45	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 02:45	WG1506783
(S) Toluene-d8	*107*		*80.0-120*		*07/10/2020 02:45*	WG1506783
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*07/10/2020 02:45*	WG1506783
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*07/10/2020 02:45*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 03:09	WG1506783
Toluene	ND		1.00	1	07/10/2020 03:09	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 03:09	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 03:09	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 03:09	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 03:09	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 03:09	WG1506783
(S) Toluene-d8	*108*		*80.0-120*		*07/10/2020 03:09*	WG1506783
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*07/10/2020 03:09*	WG1506783
(S) 1,2-Dichloroethane-d4	*126*		*70.0-130*		*07/10/2020 03:09*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 03:33	WG1506783
Toluene	ND		1.00	1	07/10/2020 03:33	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 03:33	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 03:33	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 03:33	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 03:33	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 03:33	WG1506783
(S) Toluene-d8	*106*		*80.0-120*		*07/10/2020 03:33*	WG1506783
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*07/10/2020 03:33*	WG1506783
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*07/10/2020 03:33*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 03:56	WG1506783
Toluene	ND		1.00	1	07/10/2020 03:56	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 03:56	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 03:56	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 03:56	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 03:56	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 03:56	WG1506783
(S) Toluene-d8	*109*		*80.0-120*		*07/10/2020 03:56*	WG1506783
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*07/10/2020 03:56*	WG1506783
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*07/10/2020 03:56*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 04:20	WG1506783
Toluene	ND		1.00	1	07/10/2020 04:20	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 04:20	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 04:20	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 04:20	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 04:20	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 04:20	WG1506783
(S) Toluene-d8	*107*		*80.0-120*		*07/10/2020 04:20*	WG1506783
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*07/10/2020 04:20*	WG1506783
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/10/2020 04:20*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 04:44	WG1506783
Toluene	3.55		1.00	1	07/10/2020 04:44	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 04:44	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 04:44	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 04:44	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 04:44	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 04:44	WG1506783
(S) Toluene-d8	*109*		*80.0-120*		*07/10/2020 04:44*	WG1506783
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*07/10/2020 04:44*	WG1506783
(S) 1,2-Dichloroethane-d4	*118*		*70.0-130*		*07/10/2020 04:44*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 05:08	WG1506783
Toluene	ND		1.00	1	07/10/2020 05:08	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 05:08	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 05:08	WG1506783
Methyl tert-butyl ether	7.58		1.00	1	07/10/2020 05:08	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 05:08	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 05:08	WG1506783
(S) Toluene-d8	*103*		*80.0-120*		*07/10/2020 05:08*	WG1506783
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*07/10/2020 05:08*	WG1506783
(S) 1,2-Dichloroethane-d4	*131*	J1	*70.0-130*		*07/10/2020 05:08*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.66		1.00	1	07/10/2020 05:32	WG1506783
Toluene	10.5		1.00	1	07/10/2020 05:32	WG1506783
Ethylbenzene	2.42		1.00	1	07/10/2020 05:32	WG1506783
Total Xylenes	19.1		3.00	1	07/10/2020 05:32	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 05:32	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 05:32	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 05:32	WG1506783
(S) Toluene-d8	*107*		*80.0-120*		*07/10/2020 05:32*	WG1506783
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*07/10/2020 05:32*	WG1506783
(S) 1,2-Dichloroethane-d4	*130*		*70.0-130*		*07/10/2020 05:32*	WG1506783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/10/2020 05:55	WG1506783
Toluene	ND		1.00	1	07/10/2020 05:55	WG1506783
Ethylbenzene	ND		1.00	1	07/10/2020 05:55	WG1506783
Total Xylenes	ND		3.00	1	07/10/2020 05:55	WG1506783
Methyl tert-butyl ether	ND		1.00	1	07/10/2020 05:55	WG1506783
Naphthalene	ND		5.00	1	07/10/2020 05:55	WG1506783
1,2-Dichloroethane	ND		1.00	1	07/10/2020 05:55	WG1506783
(S) Toluene-d8	*107*		*80.0-120*		*07/10/2020 05:55*	WG1506783
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*07/10/2020 05:55*	WG1506783
(S) 1,2-Dichloroethane-d4	*130*		*70.0-130*		*07/10/2020 05:55*	WG1506783

Method Blank (MB)

(MB) R3549820-2 07/09/20 21:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549820-1 07/09/20 21:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.02	100	70.0-130	
1,2-Dichloroethane	5.00	6.49	130	70.0-130	
Ethylbenzene	5.00	4.62	92.4	70.0-130	
Methyl tert-butyl ether	5.00	4.63	92.6	70.0-130	
Naphthalene	5.00	4.00	80.0	70.0-130	
Toluene	5.00	4.73	94.6	70.0-130	
Xylenes, Total	15.0	13.9	92.7	70.0-130	
(S) Toluene-d8			*98.9*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*127*	*70.0-130*	

L1237552-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1237552-01 07/10/20 06:19 • (MS) R3549820-3 07/10/20 07:07 • (MSD) R3549820-4 07/10/20 07:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	2.90	7.26	6.92	87.2	80.4	1	17.0-158			4.80	27
1,2-Dichloroethane	5.00	ND	5.06	5.09	98.9	99.5	1	29.0-151			0.591	27
Ethylbenzene	5.00	108	111	102	60.0	0.000	1	30.0-155		V	8.45	27
Methyl tert-butyl ether	5.00	ND	3.77	3.94	75.4	78.8	1	28.0-150			4.41	29
Naphthalene	5.00	17.8	23.7	22.4	118	92.0	1	12.0-156			5.64	35
Toluene	5.00	24.6	28.1	26.0	70.0	28.0	1	26.0-154			7.76	28
Xylenes, Total	15.0	436	435	397	0.000	0.000	1	29.0-154	V	V	9.13	28

L1237552-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1237552-01 07/10/20 06:19 • (MS) R3549820-3 07/10/20 07:07 • (MSD) R3549820-4 07/10/20 07:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Toluene-d8					*98.8*	*98.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*105*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*125*	*125*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

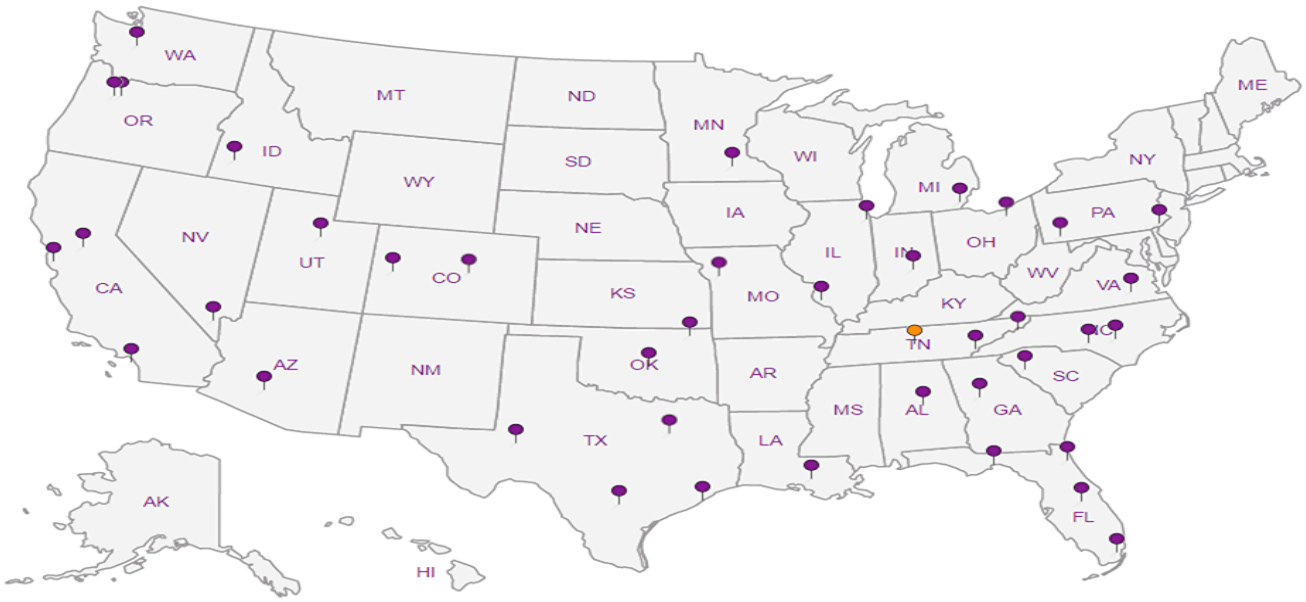
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDOM2020

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40ml Amb-HCl	Remarks	Sample # (lab only)
MW-47-070720	Grab	GW	17'	7/7/20	1205	3	X		-01
MW-18-070720	↓	GW	17.5'	7/7/20	1220	3	X		02
FB-01-070720	↓	GW	0	7/8/20	1715	3	X		03
TB-01-070720		GW		~~7/7/20~~	17:30	~~3~~ 1	X		04
		GW				3	X		

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1237556

J250

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P784097

PM: 526 - Chris McCord

PB: 7-1-2020 Gm

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9388

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	7/7/20	17:50		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.6 °C Bottles Received:	
				3.6t. F=3.7 39	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/8/20 Time: 8:45	Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # ~~KLM~~ KMLDOM2020

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1237550

J001

Acctnum: KINCH2MGA
Template: T155770
Prelogin: P784097
PM: 526 - Chris McCord
PB: 7-1-2020

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-36B-070720	Grab	GW	20'	7/7/20	~~0850~~ 0925	3	X		-05
MW-55-070720		GW	20'	7/7/20	0935	3	X		06
MW-53-070720		GW	18'	7/7/20	1010	3	X		07
MW-54-070720		GW	21'	7/7/20	1020	3	X		08
MW-32-070720		GW	22'	7/7/20	1035	3	X		09
MW-04-070720		GW	17'	7/7/20	1050	3	X		10
MW-06B-070720		GW	80'	7/7/20	1105	3	X		11
MW-09-070720		GW	16'	7/7/20	1125	3	X		12
MW-09B-070720		GW	145'	7/7/20	1135	3	X		13
MW-33T-070720	✓	GW	91'	7/7/20	1150	3	X		14

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9386

Sample Receipt Checklist
COC Seal Present/Intact: __NP X __N
COC Signed/Accurate: X __N
Bottles arrive intact: X __N
Correct bottles used: X __N
Sufficient volume sent: X __N
If Applicable
VOA Zero Headspace: X __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	7/7/20	1715		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				3.6+.1=3.7 30
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				7/8/20 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 20, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1238063
Samples Received:	07/09/2020
Project Number:	KMLDOM20
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

MW-38B-070820 L1238063-01 GW

Collected by: Alex F | Collected date/time: 07/08/20 13:55 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	20	07/11/20 20:21	07/11/20 20:21	JCP	Mt. Juliet, TN

MW-41-070820 L1238063-02 GW

Collected by: Alex F | Collected date/time: 07/08/20 14:20 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 16:41	07/11/20 16:41	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1509500	1	07/15/20 19:06	07/15/20 19:06	BMB	Mt. Juliet, TN

MW-41-D-070820 L1238063-03 GW

Collected by: Alex F | Collected date/time: 07/08/20 14:25 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 17:01	07/11/20 17:01	JCP	Mt. Juliet, TN

MW-42-070820 L1238063-04 GW

Collected by: Alex F | Collected date/time: 07/08/20 14:45 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 17:21	07/11/20 17:21	JCP	Mt. Juliet, TN

MW-25-070820 L1238063-05 GW

Collected by: Alex F | Collected date/time: 07/08/20 15:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 17:41	07/11/20 17:41	JCP	Mt. Juliet, TN

MW-25B-070820 L1238063-06 GW

Collected by: Alex F | Collected date/time: 07/08/20 15:10 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 18:01	07/11/20 18:01	JCP	Mt. Juliet, TN

MW-28-070820 L1238063-07 GW

Collected by: Alex F | Collected date/time: 07/08/20 15:35 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 18:21	07/11/20 18:21	JCP	Mt. Juliet, TN

MW-35-070820 L1238063-08 GW

Collected by: Alex F | Collected date/time: 07/08/20 16:10 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 18:41	07/11/20 18:41	JCP	Mt. Juliet, TN

MW-12B-070820 L1238063-09 GW

Collected by: Alex F | Collected date/time: 07/08/20 16:35 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 19:01	07/11/20 19:01	JCP	Mt. Juliet, TN

MW-11-070820 L1238063-10 GW

Collected by: Alex F | Collected date/time: 07/08/20 16:50 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	250	07/11/20 20:41	07/11/20 20:41	JCP	Mt. Juliet, TN

MW-50B-070820 L1238063-11 GW

Collected by: Alex F | Collected date/time: 07/08/20 17:10 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 19:21	07/11/20 19:21	JCP	Mt. Juliet, TN

MW-22-070820 L1238063-12 GW

Collected by: Alex F | Collected date/time: 07/08/20 17:35 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 19:41	07/11/20 19:41	JCP	Mt. Juliet, TN

FB02-070820 L1238063-13 GW

Collected by: Alex F | Collected date/time: 07/08/20 18:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 14:21	07/11/20 14:21	JCP	Mt. Juliet, TN

TB-04-070820 L1238063-14 GW

Collected by: Alex F | Collected date/time: 07/08/20 18:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507387	1	07/11/20 14:41	07/11/20 14:41	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2580		20.0	20	07/11/2020 20:21	WG1507387
Toluene	ND		20.0	20	07/11/2020 20:21	WG1507387
Ethylbenzene	ND		20.0	20	07/11/2020 20:21	WG1507387
Total Xylenes	355		60.0	20	07/11/2020 20:21	WG1507387
Methyl tert-butyl ether	181		20.0	20	07/11/2020 20:21	WG1507387
Naphthalene	ND		100	20	07/11/2020 20:21	WG1507387
1,2-Dichloroethane	ND		20.0	20	07/11/2020 20:21	WG1507387
(S) Toluene-d8	*114*		*80.0-120*		*07/11/2020 20:21*	WG1507387
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/11/2020 20:21*	WG1507387
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/11/2020 20:21*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/15/2020 19:06	WG1509500
Toluene	ND		1.00	1	07/11/2020 16:41	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 16:41	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 16:41	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 16:41	WG1507387
Naphthalene	ND		5.00	1	07/15/2020 19:06	WG1509500
1,2-Dichloroethane	ND		1.00	1	07/11/2020 16:41	WG1507387
(S) Toluene-d8	*115*		*80.0-120*		*07/11/2020 16:41*	WG1507387
(S) Toluene-d8	*103*		*80.0-120*		*07/15/2020 19:06*	WG1509500
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*		*07/11/2020 16:41*	WG1507387
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*07/15/2020 19:06*	WG1509500
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/11/2020 16:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*95.6*		*70.0-130*		*07/15/2020 19:06*	WG1509500

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 17:01	WG1507387
Toluene	ND		1.00	1	07/11/2020 17:01	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 17:01	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 17:01	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 17:01	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 17:01	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 17:01	WG1507387
(S) Toluene-d8	*114*		*80.0-120*		*07/11/2020 17:01*	WG1507387
(S) 4-Bromofluorobenzene	*95.4*		*77.0-126*		*07/11/2020 17:01*	WG1507387
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*07/11/2020 17:01*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 17:21	WG1507387
Toluene	ND		1.00	1	07/11/2020 17:21	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 17:21	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 17:21	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 17:21	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 17:21	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 17:21	WG1507387
(S) Toluene-d8	*113*		*80.0-120*		*07/11/2020 17:21*	WG1507387
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*07/11/2020 17:21*	WG1507387
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*07/11/2020 17:21*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 17:41	WG1507387
Toluene	ND		1.00	1	07/11/2020 17:41	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 17:41	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 17:41	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 17:41	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 17:41	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 17:41	WG1507387
(S) Toluene-d8	*110*		*80.0-120*		*07/11/2020 17:41*	WG1507387
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*07/11/2020 17:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*07/11/2020 17:41*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.38		1.00	1	07/11/2020 18:01	WG1507387
Toluene	ND		1.00	1	07/11/2020 18:01	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 18:01	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 18:01	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 18:01	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 18:01	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 18:01	WG1507387
(S) Toluene-d8	*112*		*80.0-120*		*07/11/2020 18:01*	WG1507387
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*07/11/2020 18:01*	WG1507387
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*07/11/2020 18:01*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 18:21	WG1507387
Toluene	ND		1.00	1	07/11/2020 18:21	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 18:21	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 18:21	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 18:21	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 18:21	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 18:21	WG1507387
(S) Toluene-d8	*111*		*80.0-120*		*07/11/2020 18:21*	WG1507387
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*07/11/2020 18:21*	WG1507387
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*07/11/2020 18:21*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 18:41	WG1507387
Toluene	ND		1.00	1	07/11/2020 18:41	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 18:41	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 18:41	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 18:41	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 18:41	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 18:41	WG1507387
(S) Toluene-d8	*113*		*80.0-120*		*07/11/2020 18:41*	WG1507387
(S) 4-Bromofluorobenzene	*95.4*		*77.0-126*		*07/11/2020 18:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*07/11/2020 18:41*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	10.7		1.00	1	07/11/2020 19:01	WG1507387
Toluene	ND		1.00	1	07/11/2020 19:01	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 19:01	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 19:01	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 19:01	WG1507387
Naphthalene	6.58		5.00	1	07/11/2020 19:01	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 19:01	WG1507387
(S) Toluene-d8	*115*		*80.0-120*		*07/11/2020 19:01*	WG1507387
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*07/11/2020 19:01*	WG1507387
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*07/11/2020 19:01*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4540		250	250	07/11/2020 20:41	WG1507387
Toluene	30300		250	250	07/11/2020 20:41	WG1507387
Ethylbenzene	2210		250	250	07/11/2020 20:41	WG1507387
Total Xylenes	13900		750	250	07/11/2020 20:41	WG1507387
Methyl tert-butyl ether	ND		250	250	07/11/2020 20:41	WG1507387
Naphthalene	ND		1250	250	07/11/2020 20:41	WG1507387
1,2-Dichloroethane	ND		250	250	07/11/2020 20:41	WG1507387
(S) Toluene-d8	*109*		*80.0-120*		*07/11/2020 20:41*	WG1507387
(S) 4-Bromofluorobenzene	*99.6*		*77.0-126*		*07/11/2020 20:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/11/2020 20:41*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	44.8		1.00	1	07/11/2020 19:21	WG1507387
Toluene	ND		1.00	1	07/11/2020 19:21	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 19:21	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 19:21	WG1507387
Methyl tert-butyl ether	68.9		1.00	1	07/11/2020 19:21	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 19:21	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 19:21	WG1507387
(S) Toluene-d8	*114*		*80.0-120*		*07/11/2020 19:21*	WG1507387
(S) 4-Bromofluorobenzene	*92.3*		*77.0-126*		*07/11/2020 19:21*	WG1507387
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/11/2020 19:21*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 19:41	WG1507387
Toluene	ND		1.00	1	07/11/2020 19:41	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 19:41	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 19:41	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 19:41	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 19:41	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 19:41	WG1507387
(S) Toluene-d8	*113*		*80.0-120*		*07/11/2020 19:41*	WG1507387
(S) 4-Bromofluorobenzene	*92.0*		*77.0-126*		*07/11/2020 19:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*07/11/2020 19:41*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 14:21	WG1507387
Toluene	ND		1.00	1	07/11/2020 14:21	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 14:21	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 14:21	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 14:21	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 14:21	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 14:21	WG1507387
(S) Toluene-d8	*113*		*80.0-120*		*07/11/2020 14:21*	WG1507387
(S) 4-Bromofluorobenzene	*94.9*		*77.0-126*		*07/11/2020 14:21*	WG1507387
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*07/11/2020 14:21*	WG1507387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/11/2020 14:41	WG1507387
Toluene	ND		1.00	1	07/11/2020 14:41	WG1507387
Ethylbenzene	ND		1.00	1	07/11/2020 14:41	WG1507387
Total Xylenes	ND		3.00	1	07/11/2020 14:41	WG1507387
Methyl tert-butyl ether	ND		1.00	1	07/11/2020 14:41	WG1507387
Naphthalene	ND		5.00	1	07/11/2020 14:41	WG1507387
1,2-Dichloroethane	ND		1.00	1	07/11/2020 14:41	WG1507387
(S) Toluene-d8	*112*		*80.0-120*		*07/11/2020 14:41*	WG1507387
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*07/11/2020 14:41*	WG1507387
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*07/11/2020 14:41*	WG1507387

Method Blank (MB)

(MB) R3549655-2 07/11/20 14:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549655-1 07/11/20 13:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.89	97.8	70.0-130	
1,2-Dichloroethane	5.00	5.33	107	70.0-130	
Ethylbenzene	5.00	4.50	90.0	70.0-130	
Methyl tert-butyl ether	5.00	5.28	106	70.0-130	
Naphthalene	5.00	4.95	99.0	70.0-130	
Toluene	5.00	4.94	98.8	70.0-130	
Xylenes, Total	15.0	14.1	94.0	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Method Blank (MB)

(MB) R3549857-4 07/15/20 13:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Naphthalene	U		1.00	5.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549857-1 07/15/20 12:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	4.98	99.6	70.0-130	
Naphthalene	5.00	5.66	113	70.0-130	
(S) Toluene-d8			*94.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.3*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

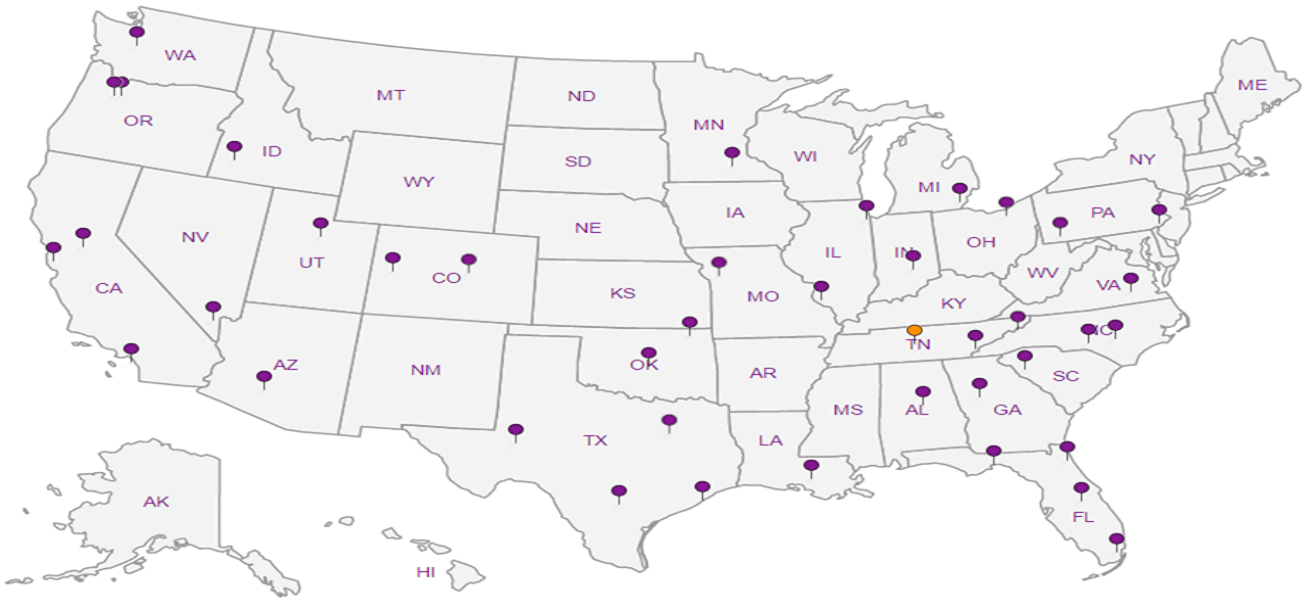
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Groundwater

City/State Collected: Dalton, GA

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KNLDOM20

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk								Remarks	Sample # (lab only)
MW-38B-070820	Grab	GW	21	7/8/20	1355	3		X										-01
MW-41-070820		GW	8'		1420	3		X										-02
MW-41-DUP-070820		GW	8'		1425	3		X										-03
MW-42-070820		GW	8'		1445	3		X										-04
MW-25-070820		GW	12'		1500	3		X										-05
MW-25B-070820		GW	55'		1510	3		X										-06
MW-28-070820		GW	22		1535	3		X										-07
MW-35-070820		GW	22		1610	3		X										-08
MW-12B-070820		GW	12.95		1635	3		X										-09
MW-11-070820	✓	GW	24.17	✓	1650	3		X										-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1238063

H108

Acctnum: KINCH2MGA
Template: T162658
Prelogin: P784098
PM: 526 - Chris McCord
PB: 7-1-2020
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 192208039272

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	7/8/20	16:00	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.6, 1.5 °C Bottles Received: 37
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/9/20 Time: 0845

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: **Bethany Garvey**

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: **Lewis Drive Groundwater**

City/State Collected: Belton SC

Please Circle: PT MT CT ET

Phone: **770-604-9182**

Client Project # KMLDOM20

Lab Project # **KINCH2MGA-LEWIS12**

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk
MW-50B-070820	Grab	GW	17.55	7/8/20	1410	3		X	
MW-22-070820		GW	5		1735	3		X	
FB02-070820		GW	0		1800	3		X	
TB-04-070820		GW	0		1800	3		X	
		GW							
		GW							
		GW							
		GW							
		GW							
		GW							

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1238063

Table #

Acctnum: **KINCH2MGA**

Template: **T162658**

Prelogin: **P784098**

PM: **526 - Chris McCord**

PB: 7-1-2020

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-11
	-12
	-13
	-14

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1922 0639 2273

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		X N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	7/8/20	18:20	Received by: (Signature)	Trip Blank Received: Yes / No; HCl / MeoH; TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2C Bottles Received: 39
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/9/20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 20, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1238066
Samples Received:	07/09/2020
Project Number:	KMLDOM20
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

MW-13-070820 L1238066-01 GW

Collected by: Alex F | Collected date/time: 07/08/20 07:45 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507805	50	07/12/20 23:02	07/12/20 23:02	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510502	1000	07/17/20 00:49	07/17/20 00:49	KMC	Mt. Juliet, TN

MW-14-070820 L1238066-02 GW

Collected by: Alex F | Collected date/time: 07/08/20 08:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507805	1	07/12/20 22:02	07/12/20 22:02	JHH	Mt. Juliet, TN

MW-14B-070820 L1238066-03 GW

Collected by: Alex F | Collected date/time: 07/08/20 08:10 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507805	1	07/12/20 22:22	07/12/20 22:22	JHH	Mt. Juliet, TN

MW-51-070820 L1238066-04 GW

Collected by: Alex F | Collected date/time: 07/08/20 08:30 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507805	1	07/12/20 22:42	07/12/20 22:42	JHH	Mt. Juliet, TN

MW-52-070820 L1238066-05 GW

Collected by: Alex F | Collected date/time: 07/08/20 08:40 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 17:11	07/12/20 17:11	JCP	Mt. Juliet, TN

MW-15-070820 L1238066-06 GW

Collected by: Alex F | Collected date/time: 07/08/20 09:25 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 17:34	07/12/20 17:34	JCP	Mt. Juliet, TN

MW-12-070820 L1238066-07 GW

Collected by: Alex F | Collected date/time: 07/08/20 10:15 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 17:58	07/12/20 17:58	JCP	Mt. Juliet, TN

MW-24-070820 L1238066-08 GW

Collected by: Alex F | Collected date/time: 07/08/20 10:30 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 18:22	07/12/20 18:22	JCP	Mt. Juliet, TN

MW-24B-070820 L1238066-09 GW

Collected by: Alex F | Collected date/time: 07/08/20 11:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 18:46	07/12/20 18:46	JCP	Mt. Juliet, TN

MW-39-070820 L1238066-10 GW

Collected by: Alex F | Collected date/time: 07/08/20 11:15 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 19:10	07/12/20 19:10	JCP	Mt. Juliet, TN

MW-27-070820 L1238066-11 GW

Collected by: Alex F | Collected date/time: 07/08/20 13:30 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 19:33	07/12/20 19:33	JCP	Mt. Juliet, TN

MW-27B-070820 L1238066-12 GW

Collected by: Alex F | Collected date/time: 07/08/20 13:40 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 19:57	07/12/20 19:57	JCP	Mt. Juliet, TN

TB-03-070820 L1238066-13 GW

Collected by: Alex F | Collected date/time: 07/08/20 18:00 | Received date/time: 07/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507871	1	07/12/20 16:23	07/12/20 16:23	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	13400		1000	1000	07/17/2020 00:49	WG1510502
Toluene	29600		1000	1000	07/17/2020 00:49	WG1510502
Ethylbenzene	1310		50.0	50	07/12/2020 23:02	WG1507805
Total Xylenes	7750		150	50	07/12/2020 23:02	WG1507805
Methyl tert-butyl ether	ND		50.0	50	07/12/2020 23:02	WG1507805
Naphthalene	ND		250	50	07/12/2020 23:02	WG1507805
1,2-Dichloroethane	ND		50.0	50	07/12/2020 23:02	WG1507805
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 23:02*	WG1507805
(S) Toluene-d8	*108*		*80.0-120*		*07/17/2020 00:49*	WG1510502
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*07/12/2020 23:02*	WG1507805
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*07/17/2020 00:49*	WG1510502
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*07/12/2020 23:02*	WG1507805
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*07/17/2020 00:49*	WG1510502

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 22:02	WG1507805
Toluene	ND		1.00	1	07/12/2020 22:02	WG1507805
Ethylbenzene	ND		1.00	1	07/12/2020 22:02	WG1507805
Total Xylenes	ND		3.00	1	07/12/2020 22:02	WG1507805
Methyl tert-butyl ether	1.03		1.00	1	07/12/2020 22:02	WG1507805
Naphthalene	ND		5.00	1	07/12/2020 22:02	WG1507805
1,2-Dichloroethane	ND		1.00	1	07/12/2020 22:02	WG1507805
(S) Toluene-d8	*114*		*80.0-120*		*07/12/2020 22:02*	WG1507805
(S) 4-Bromofluorobenzene	*93.8*		*77.0-126*		*07/12/2020 22:02*	WG1507805
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*07/12/2020 22:02*	WG1507805

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	14.6		1.00	1	07/12/2020 22:22	WG1507805
Toluene	ND		1.00	1	07/12/2020 22:22	WG1507805
Ethylbenzene	ND		1.00	1	07/12/2020 22:22	WG1507805
Total Xylenes	3.63		3.00	1	07/12/2020 22:22	WG1507805
Methyl tert-butyl ether	12.3		1.00	1	07/12/2020 22:22	WG1507805
Naphthalene	ND		5.00	1	07/12/2020 22:22	WG1507805
1,2-Dichloroethane	ND		1.00	1	07/12/2020 22:22	WG1507805
(S) Toluene-d8	*115*		*80.0-120*		*07/12/2020 22:22*	WG1507805
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*07/12/2020 22:22*	WG1507805
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*07/12/2020 22:22*	WG1507805

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 22:42	WG1507805
Toluene	ND		1.00	1	07/12/2020 22:42	WG1507805
Ethylbenzene	ND		1.00	1	07/12/2020 22:42	WG1507805
Total Xylenes	ND		3.00	1	07/12/2020 22:42	WG1507805
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 22:42	WG1507805
Naphthalene	ND		5.00	1	07/12/2020 22:42	WG1507805
1,2-Dichloroethane	ND		1.00	1	07/12/2020 22:42	WG1507805
(S) Toluene-d8	*114*		*80.0-120*		*07/12/2020 22:42*	WG1507805
(S) 4-Bromofluorobenzene	*92.3*		*77.0-126*		*07/12/2020 22:42*	WG1507805
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*07/12/2020 22:42*	WG1507805

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 17:11	WG1507871
Toluene	ND		1.00	1	07/12/2020 17:11	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 17:11	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 17:11	WG1507871
Methyl tert-butyl ether	1.76		1.00	1	07/12/2020 17:11	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 17:11	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 17:11	WG1507871
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 17:11*	WG1507871
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*07/12/2020 17:11*	WG1507871
(S) 1,2-Dichloroethane-d4	*129*		*70.0-130*		*07/12/2020 17:11*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 17:34	WG1507871
Toluene	ND		1.00	1	07/12/2020 17:34	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 17:34	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 17:34	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 17:34	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 17:34	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 17:34	WG1507871
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 17:34*	WG1507871
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*07/12/2020 17:34*	WG1507871
(S) 1,2-Dichloroethane-d4	*134*	J1	*70.0-130*		*07/12/2020 17:34*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 17:58	WG1507871
Toluene	ND		1.00	1	07/12/2020 17:58	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 17:58	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 17:58	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 17:58	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 17:58	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 17:58	WG1507871
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 17:58*	WG1507871
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*07/12/2020 17:58*	WG1507871
(S) 1,2-Dichloroethane-d4	*132*	J1	*70.0-130*		*07/12/2020 17:58*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 18:22	WG1507871
Toluene	ND		1.00	1	07/12/2020 18:22	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 18:22	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 18:22	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 18:22	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 18:22	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 18:22	WG1507871
(S) Toluene-d8	*106*		*80.0-120*		*07/12/2020 18:22*	WG1507871
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/12/2020 18:22*	WG1507871
(S) 1,2-Dichloroethane-d4	*131*	J1	*70.0-130*		*07/12/2020 18:22*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 18:46	WG1507871
Toluene	ND		1.00	1	07/12/2020 18:46	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 18:46	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 18:46	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 18:46	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 18:46	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 18:46	WG1507871
(S) Toluene-d8	*105*		*80.0-120*		*07/12/2020 18:46*	WG1507871
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/12/2020 18:46*	WG1507871
(S) 1,2-Dichloroethane-d4	*132*	J1	*70.0-130*		*07/12/2020 18:46*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.38		1.00	1	07/12/2020 19:10	WG1507871
Toluene	ND		1.00	1	07/12/2020 19:10	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 19:10	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 19:10	WG1507871
Methyl tert-butyl ether	87.0		1.00	1	07/12/2020 19:10	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 19:10	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 19:10	WG1507871
(S) Toluene-d8	*110*		*80.0-120*		*07/12/2020 19:10*	WG1507871
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*07/12/2020 19:10*	WG1507871
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*07/12/2020 19:10*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 19:33	WG1507871
Toluene	ND		1.00	1	07/12/2020 19:33	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 19:33	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 19:33	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 19:33	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 19:33	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 19:33	WG1507871
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 19:33*	WG1507871
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*07/12/2020 19:33*	WG1507871
(S) 1,2-Dichloroethane-d4	*132*	J1	*70.0-130*		*07/12/2020 19:33*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 19:57	WG1507871
Toluene	2.48		1.00	1	07/12/2020 19:57	WG1507871
Ethylbenzene	1.43		1.00	1	07/12/2020 19:57	WG1507871
Total Xylenes	9.72		3.00	1	07/12/2020 19:57	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 19:57	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 19:57	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 19:57	WG1507871
(S) Toluene-d8	*107*		*80.0-120*		*07/12/2020 19:57*	WG1507871
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*07/12/2020 19:57*	WG1507871
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*07/12/2020 19:57*	WG1507871

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/12/2020 16:23	WG1507871
Toluene	ND		1.00	1	07/12/2020 16:23	WG1507871
Ethylbenzene	ND		1.00	1	07/12/2020 16:23	WG1507871
Total Xylenes	ND		3.00	1	07/12/2020 16:23	WG1507871
Methyl tert-butyl ether	ND		1.00	1	07/12/2020 16:23	WG1507871
Naphthalene	ND		5.00	1	07/12/2020 16:23	WG1507871
1,2-Dichloroethane	ND		1.00	1	07/12/2020 16:23	WG1507871
(S) Toluene-d8	*110*		*80.0-120*		*07/12/2020 16:23*	WG1507871
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/12/2020 16:23*	WG1507871
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*07/12/2020 16:23*	WG1507871

Method Blank (MB)

(MB) R3550175-2 07/12/20 16:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550175-1 07/12/20 15:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.91	98.2	70.0-130	
1,2-Dichloroethane	5.00	5.03	101	70.0-130	
Ethylbenzene	5.00	4.67	93.4	70.0-130	
Methyl tert-butyl ether	5.00	5.27	105	70.0-130	
Naphthalene	5.00	4.80	96.0	70.0-130	
Toluene	5.00	4.87	97.4	70.0-130	
Xylenes, Total	15.0	13.5	90.0	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3549640-2 07/12/20 13:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549640-1 07/12/20 12:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.77	95.4	70.0-130	
1,2-Dichloroethane	5.00	5.84	117	70.0-130	
Ethylbenzene	5.00	4.65	93.0	70.0-130	
Methyl tert-butyl ether	5.00	4.35	87.0	70.0-130	
Naphthalene	5.00	4.02	80.4	70.0-130	
Toluene	5.00	4.52	90.4	70.0-130	
Xylenes, Total	15.0	13.3	88.7	70.0-130	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*125*	*70.0-130*	

Method Blank (MB)

(MB) R3550610-3 07/16/20 21:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*113*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550610-1 07/16/20 20:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	4.14	82.8	70.0-130	
Toluene	5.00	4.03	80.6	70.0-130	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*108*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*120*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

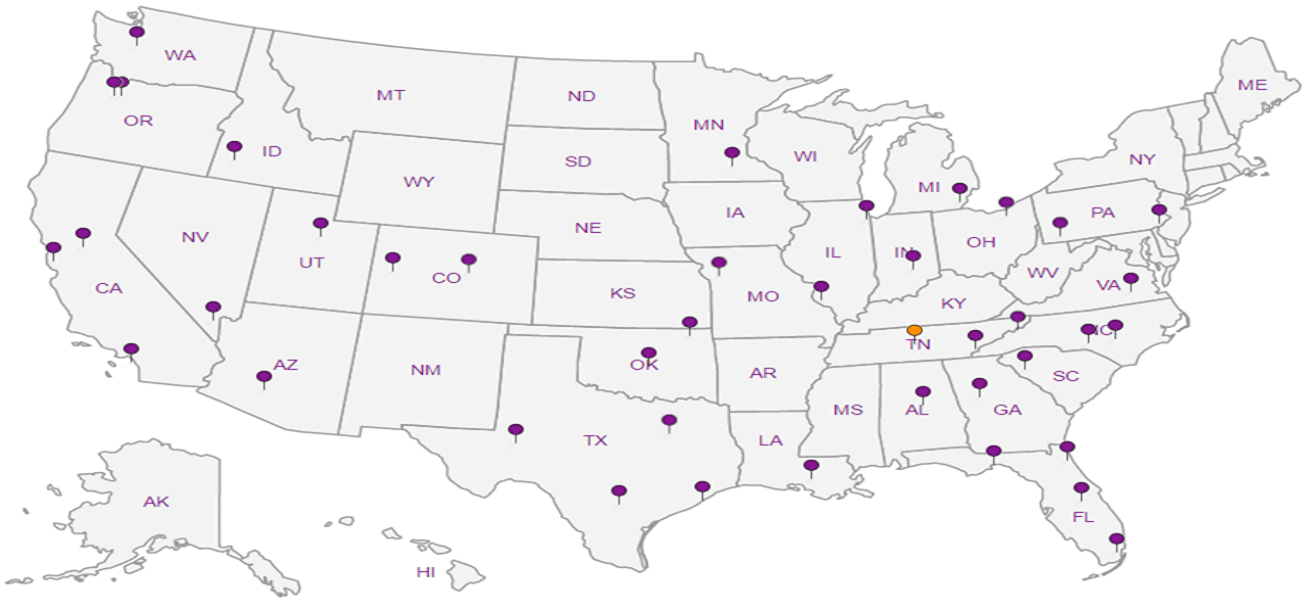
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk: ✓

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Bolton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # ~~KMDM~~ KMLDOM20

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1278066

F163

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P784097

PM: 526 - Chris McCord

PB: 7-1-2020

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40ml/Amb-HCl	Remarks	Sample # (lab only)
MW-13-070820	Grab	GW	16'	7/8/20	0745	3	X		-01
MW-14-070820		GW	17		0800	3	X		-02
MW-14B-070820		GW	73		0810	3	X		-03
MW-51-070820		GW	20		0830	3	X		-04
MW-52-070820		GW	25		0840	3	X		-05
MW-15-070820		GW	16		0925	3	X		-06
MW-12-070820		GW	17		1015	3	X		-07
MW-24-070920		GW	11		1030	3	X		-08
MW-24B-070820		GW	36		1100	3	X		-09
MW-39-070820	✓	GW	5'	✓	1115	3	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9283

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH TBR)	
	7/8/20	18:00		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 4.4 -.1=4.3 °C	Bottles Received: 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/09/2020	Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: **Bethany Garvey**

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: **Lewis Drive Surface Water**

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: **770-604-9182**

Client Project # KMLDOM20

Lab Project # **KINCH2MGA-LEWIS**

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1218066

Table #

Acctnum: **KINCH2MGA**

Template: **T155770**

Prelogin: **P784097**

PM: **526 - Chris McCord**

PB: 7-1-2020 GM

Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Pres Chk	Remarks	Sample # (lab only)
MW-27-070820	Grab	GW	27	7/8/20	1330	3	X			-11
MW-27B-070820	Grab	GW	39	7/8/20	1340	3	X			-12
TB-03-070820	Grab	GW	0	7/8/20	1800	~~3~~ 4 3	X			-13
		GW				3	X			
		GW				3	X			

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9283

Sample Receipt Checklist

COC Seal Present/Intact:	__NP X Y __N
COC Signed/Accurate:	X Y __N
Bottles arrive intact:	X Y __N
Correct bottles used:	X Y __N
Sufficient volume sent:	X Y __N
If Applicable	
VOA Zero Headspace:	X Y __N
Preservation Correct/Checked:	X Y __N
RAD Screen <0.5 mR/hr:	X Y __N

Relinquished by : (Signature)	Date: 7/8/20	Time: 18:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 4.4-.1-4.3 R2C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/09/2020 Time: 8:45	Hold: Condition: NCF (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 20, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1238545
Samples Received:	07/10/2020
Project Number:	KMLDOM20
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-20-070920 L1238545-01 GW

Collected by: Alex F | Collected date/time: 07/09/20 13:15 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	250	07/13/20 17:59	07/13/20 17:59	JCP	Mt. Juliet, TN

MW-40-070920 L1238545-02 GW

Collected by: Alex F | Collected date/time: 07/09/20 15:05 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 16:38	07/13/20 16:38	JCP	Mt. Juliet, TN

MW-07-070920 L1238545-03 GW

Collected by: Alex F | Collected date/time: 07/09/20 16:10 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1509726	1	07/16/20 05:37	07/16/20 05:37	KMC	Mt. Juliet, TN

MW-13B-070920 L1238545-04 GW

Collected by: Alex F | Collected date/time: 07/09/20 16:30 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	50	07/13/20 18:39	07/13/20 18:39	JCP	Mt. Juliet, TN

MW-45-070920 L1238545-05 GW

Collected by: Alex F | Collected date/time: 07/09/20 16:50 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 16:58	07/13/20 16:58	JCP	Mt. Juliet, TN

MW-23-070920 L1238545-06 GW

Collected by: Alex F | Collected date/time: 07/09/20 17:05 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	20	07/13/20 18:59	07/13/20 18:59	JCP	Mt. Juliet, TN

MW-23-D-070920 L1238545-07 GW

Collected by: Alex F | Collected date/time: 07/09/20 17:10 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	20	07/13/20 19:19	07/13/20 19:19	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1509735	200	07/16/20 12:25	07/16/20 12:25	KMC	Mt. Juliet, TN

MW-36-070920 L1238545-08 GW

Collected by: Alex F | Collected date/time: 07/09/20 17:25 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 17:18	07/13/20 17:18	JCP	Mt. Juliet, TN

MW-36-D-070920 L1238545-09 GW

Collected by: Alex F
Collected date/time: 07/09/20 17:30
Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 17:39	07/13/20 17:39	JCP	Mt. Juliet, TN

FB-03-070920 L1238545-10 GW

Collected by: Alex F
Collected date/time: 07/09/20 18:00
Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 13:57	07/13/20 13:57	JCP	Mt. Juliet, TN

TB-05-070920 L1238545-11 GW

Collected by: Alex F
Collected date/time: 07/09/20 00:00
Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510885	1	07/17/20 14:48	07/17/20 14:48	JAH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8310		250	250	07/13/2020 17:59	WG1508226
Toluene	25900		250	250	07/13/2020 17:59	WG1508226
Ethylbenzene	1770		250	250	07/13/2020 17:59	WG1508226
Total Xylenes	10700		750	250	07/13/2020 17:59	WG1508226
Methyl tert-butyl ether	ND		250	250	07/13/2020 17:59	WG1508226
Naphthalene	ND	J4	1250	250	07/13/2020 17:59	WG1508226
1,2-Dichloroethane	ND		250	250	07/13/2020 17:59	WG1508226
(S) Toluene-d8	*104*		*80.0-120*		*07/13/2020 17:59*	WG1508226
(S) 4-Bromofluorobenzene	*96.2*		*77.0-126*		*07/13/2020 17:59*	WG1508226
(S) 1,2-Dichloroethane-d4	*87.8*		*70.0-130*		*07/13/2020 17:59*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.24		1.00	1	07/13/2020 16:38	WG1508226
Toluene	ND		1.00	1	07/13/2020 16:38	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 16:38	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 16:38	WG1508226
Methyl tert-butyl ether	17.2		1.00	1	07/13/2020 16:38	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 16:38	WG1508226
1,2-Dichloroethane	ND		1.00	1	07/13/2020 16:38	WG1508226
(S) Toluene-d8	*102*		*80.0-120*		*07/13/2020 16:38*	WG1508226
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*		*07/13/2020 16:38*	WG1508226
(S) 1,2-Dichloroethane-d4	*89.1*		*70.0-130*		*07/13/2020 16:38*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	41.4		1.00	1	07/16/2020 05:37	WG1509726
Toluene	103		1.00	1	07/16/2020 05:37	WG1509726
Ethylbenzene	22.1		1.00	1	07/16/2020 05:37	WG1509726
Total Xylenes	431		3.00	1	07/16/2020 05:37	WG1509726
Methyl tert-butyl ether	ND		1.00	1	07/16/2020 05:37	WG1509726
Naphthalene	5.45		5.00	1	07/16/2020 05:37	WG1509726
1,2-Dichloroethane	ND		1.00	1	07/16/2020 05:37	WG1509726
(S) Toluene-d8	*109*		*80.0-120*		*07/16/2020 05:37*	WG1509726
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*07/16/2020 05:37*	WG1509726
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*07/16/2020 05:37*	WG1509726

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2170		50.0	50	07/13/2020 18:39	WG1508226
Toluene	55.6		50.0	50	07/13/2020 18:39	WG1508226
Ethylbenzene	ND		50.0	50	07/13/2020 18:39	WG1508226
Total Xylenes	ND		150	50	07/13/2020 18:39	WG1508226
Methyl tert-butyl ether	192		50.0	50	07/13/2020 18:39	WG1508226
Naphthalene	ND	J4	250	50	07/13/2020 18:39	WG1508226
1,2-Dichloroethane	ND		50.0	50	07/13/2020 18:39	WG1508226
(S) Toluene-d8	*105*		*80.0-120*		*07/13/2020 18:39*	WG1508226
(S) 4-Bromofluorobenzene	*92.6*		*77.0-126*		*07/13/2020 18:39*	WG1508226
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*07/13/2020 18:39*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 16:58	WG1508226
Toluene	3.71		1.00	1	07/13/2020 16:58	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 16:58	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 16:58	WG1508226
Methyl tert-butyl ether	32.3		1.00	1	07/13/2020 16:58	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 16:58	WG1508226
1,2-Dichloroethane	ND		1.00	1	07/13/2020 16:58	WG1508226
(S) Toluene-d8	*102*		*80.0-120*		*07/13/2020 16:58*	WG1508226
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*		*07/13/2020 16:58*	WG1508226
(S) 1,2-Dichloroethane-d4	*89.4*		*70.0-130*		*07/13/2020 16:58*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3490		20.0	20	07/13/2020 18:59	WG1508226
Toluene	3780		20.0	20	07/13/2020 18:59	WG1508226
Ethylbenzene	239		20.0	20	07/13/2020 18:59	WG1508226
Total Xylenes	2240		60.0	20	07/13/2020 18:59	WG1508226
Methyl tert-butyl ether	56.9		20.0	20	07/13/2020 18:59	WG1508226
Naphthalene	ND	J4	100	20	07/13/2020 18:59	WG1508226
1,2-Dichloroethane	ND		20.0	20	07/13/2020 18:59	WG1508226
(S) Toluene-d8	*101*		*80.0-120*		*07/13/2020 18:59*	WG1508226
(S) 4-Bromofluorobenzene	*90.4*		*77.0-126*		*07/13/2020 18:59*	WG1508226
(S) 1,2-Dichloroethane-d4	*85.8*		*70.0-130*		*07/13/2020 18:59*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4690		200	200	07/16/2020 12:25	WG1509735
Toluene	6860		200	200	07/16/2020 12:25	WG1509735
Ethylbenzene	394		20.0	20	07/13/2020 19:19	WG1508226
Total Xylenes	3230		60.0	20	07/13/2020 19:19	WG1508226
Methyl tert-butyl ether	107		20.0	20	07/13/2020 19:19	WG1508226
Naphthalene	ND	J4	100	20	07/13/2020 19:19	WG1508226
1,2-Dichloroethane	ND		20.0	20	07/13/2020 19:19	WG1508226
(S) Toluene-d8	*98.3*		*80.0-120*		*07/13/2020 19:19*	WG1508226
(S) Toluene-d8	*110*		*80.0-120*		*07/16/2020 12:25*	WG1509735
(S) 4-Bromofluorobenzene	*88.6*		*77.0-126*		*07/13/2020 19:19*	WG1508226
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*07/16/2020 12:25*	WG1509735
(S) 1,2-Dichloroethane-d4	*84.4*		*70.0-130*		*07/13/2020 19:19*	WG1508226
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*07/16/2020 12:25*	WG1509735

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.87		1.00	1	07/13/2020 17:18	WG1508226
Toluene	3.81		1.00	1	07/13/2020 17:18	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 17:18	WG1508226
Total Xylenes	4.57		3.00	1	07/13/2020 17:18	WG1508226
Methyl tert-butyl ether	1.81		1.00	1	07/13/2020 17:18	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 17:18	WG1508226
1,2-Dichloroethane	ND		1.00	1	07/13/2020 17:18	WG1508226
(S) Toluene-d8	*102*		*80.0-120*		*07/13/2020 17:18*	WG1508226
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*07/13/2020 17:18*	WG1508226
(S) 1,2-Dichloroethane-d4	*85.9*		*70.0-130*		*07/13/2020 17:18*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.78		1.00	1	07/13/2020 17:39	WG1508226
Toluene	3.90		1.00	1	07/13/2020 17:39	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 17:39	WG1508226
Total Xylenes	4.82		3.00	1	07/13/2020 17:39	WG1508226
Methyl tert-butyl ether	1.86		1.00	1	07/13/2020 17:39	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 17:39	WG1508226
1,2-Dichloroethane	ND		1.00	1	07/13/2020 17:39	WG1508226
(S) Toluene-d8	*104*		*80.0-120*		*07/13/2020 17:39*	WG1508226
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*07/13/2020 17:39*	WG1508226
(S) 1,2-Dichloroethane-d4	*88.7*		*70.0-130*		*07/13/2020 17:39*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 13:57	WG1508226
Toluene	ND		1.00	1	07/13/2020 13:57	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 13:57	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 13:57	WG1508226
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 13:57	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 13:57	WG1508226
1,2-Dichloroethane	ND		1.00	1	07/13/2020 13:57	WG1508226
(S) Toluene-d8	*97.3*		*80.0-120*		*07/13/2020 13:57*	WG1508226
(S) 4-Bromofluorobenzene	*92.7*		*77.0-126*		*07/13/2020 13:57*	WG1508226
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*07/13/2020 13:57*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/17/2020 14:48	WG1510885
Toluene	ND		1.00	1	07/17/2020 14:48	WG1510885
Ethylbenzene	ND		1.00	1	07/17/2020 14:48	WG1510885
Total Xylenes	ND		3.00	1	07/17/2020 14:48	WG1510885
Methyl tert-butyl ether	ND		1.00	1	07/17/2020 14:48	WG1510885
Naphthalene	ND		5.00	1	07/17/2020 14:48	WG1510885
1,2-Dichloroethane	ND		1.00	1	07/17/2020 14:48	WG1510885
(S) Toluene-d8	*103*		*80.0-120*		*07/17/2020 14:48*	WG1510885
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*07/17/2020 14:48*	WG1510885
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*07/17/2020 14:48*	WG1510885

Method Blank (MB)

(MB) R3549813-2 07/13/20 11:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549813-1 07/13/20 08:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-130	
1,2-Dichloroethane	5.00	4.66	93.2	70.0-130	
Ethylbenzene	5.00	5.35	107	70.0-130	
Methyl tert-butyl ether	5.00	4.98	99.6	70.0-130	
Naphthalene	5.00	6.68	134	70.0-130	J4
Toluene	5.00	5.20	104	70.0-130	
Xylenes, Total	15.0	14.9	99.3	70.0-130	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*89.5*	*70.0-130*	

Method Blank (MB)

(MB) R3550085-2 07/16/20 04:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550085-1 07/16/20 03:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.08	81.6	70.0-130	
1,2-Dichloroethane	5.00	5.21	104	70.0-130	
Ethylbenzene	5.00	4.92	98.4	70.0-130	
Methyl tert-butyl ether	5.00	4.58	91.6	70.0-130	
Naphthalene	5.00	4.39	87.8	70.0-130	
Toluene	5.00	4.77	95.4	70.0-130	
Xylenes, Total	15.0	15.0	100	70.0-130	
(S) Toluene-d8			*108*	*80.0-120*	
(S) 4-Bromofluorobenzene			*108*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3550086-2 07/16/20 04:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550086-1 07/16/20 03:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	4.08	81.6	70.0-130	
Toluene	5.00	4.77	95.4	70.0-130	
(S) Toluene-d8			*108*	*80.0-120*	
(S) 4-Bromofluorobenzene			*108*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3550563-3 07/17/20 12:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3550563-1 07/17/20 11:28 • (LCSD) R3550563-2 07/17/20 11:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.82	4.71	96.4	94.2	70.0-130			2.31	20
1,2-Dichloroethane	5.00	5.04	4.78	101	95.6	70.0-130			5.30	20
Ethylbenzene	5.00	5.05	5.09	101	102	70.0-130			0.789	20
Methyl tert-butyl ether	5.00	5.36	5.29	107	106	70.0-130			1.31	20
Naphthalene	5.00	5.94	6.06	119	121	70.0-130			2.00	20
Toluene	5.00	5.04	5.18	101	104	70.0-130			2.74	20
Xylenes, Total	15.0	15.5	15.8	103	105	70.0-130			1.92	20
(S) Toluene-d8				*101*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.8*	*96.7*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

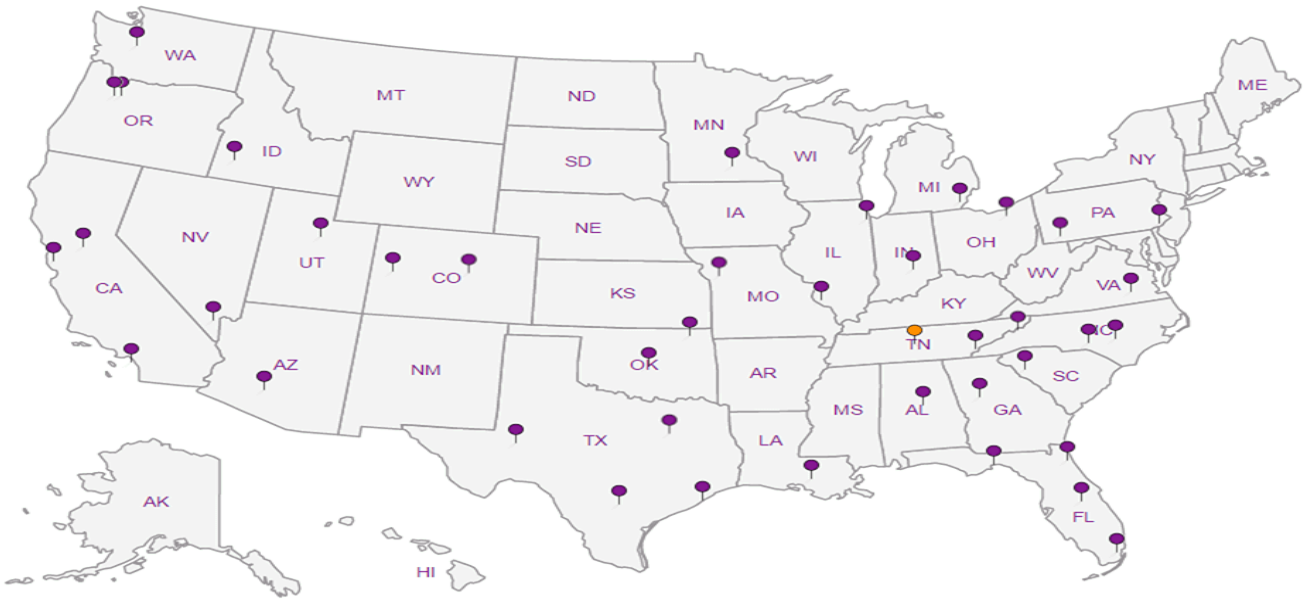
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDOM20

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-20-070920	Grab	GW		7/9/20	1315	3		X			-01
MW-40-070920	Grab	GW	1.29	7/9/20	1505	3		X			02
MW-07-070920	Grab	GW	7.41	7/9/20	1610	3		X			03
MW-13B-070920	Grab	GW	11.76	7/9/20	1630	3		X			04
MW-45-070920	Grab	GW	9.14	7/9/20	1650	3		X			05
MW-23-070920	Grab	GW	5.87	7/9/20	1705	3		X			06
MW-23-DUP-070920	Grab	GW	5.87	7/9/20	1710	3		X			07
MW-36-070920	Grab	GW	13.28	7/9/20	1725	3		X			08
MW-36-DUP-070920	Grab	GW	13.28	7/9/20	1730	3		X			09
FB-03-070920	Grab	GW	0	7/9/20	1800	3		X			10

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1238545
F221

Acctnum: KINCH2MGA
Template: T162658
Prelogin: P784098
PM: 526 - Chris McCord
PB: 7-1-2020
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 142208039423

Sample Receipt Checklist
COC Seal Present/Intact: __NP X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: X Y N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	7/9/20	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3+0.3 °C Bottles Received: 30	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/10/20 Time: 0830	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 30, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1242871
Samples Received:	07/23/2020
Project Number:	LEWIS DRIVE KM
Description:	Lewis Drive Groundwater

Report To:

Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-56-072220 L1242871-01 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 12:30 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1514576	1	07/26/20 15:07	07/26/20 15:07	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 05:24	07/26/20 05:24	JHH	Mt. Juliet, TN

MW-37-072220 L1242871-02 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 12:45 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1514576	1	07/26/20 14:16	07/26/20 14:16	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 05:44	07/26/20 05:44	JHH	Mt. Juliet, TN

MW-57-072220 L1242871-03 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 13:40 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1514576	1	07/26/20 15:59	07/26/20 15:59	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 06:03	07/26/20 06:03	JHH	Mt. Juliet, TN

MW-38-072220 L1242871-04 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 13:50 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1514576	1	07/26/20 16:15	07/26/20 16:15	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	20	07/26/20 08:39	07/26/20 08:39	JHH	Mt. Juliet, TN

MW-17B-072220 L1242871-05 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 14:20 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	250	07/26/20 08:58	07/26/20 08:58	JHH	Mt. Juliet, TN

MW-15B-072220 L1242871-06 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 14:50 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	20	07/26/20 09:18	07/26/20 09:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515855	200	07/28/20 02:12	07/28/20 02:12	ADM	Mt. Juliet, TN

MW-15B-D-072220 L1242871-07 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 14:50 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	100	07/26/20 09:37	07/26/20 09:37	JHH	Mt. Juliet, TN

VBS-01-072220 L1242871-08 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 15:15 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 06:42	07/26/20 06:42	JHH	Mt. Juliet, TN

MW-46-072220 L1242871-09 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 15:30 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1514576	1	07/26/20 16:32	07/26/20 16:32	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 06:22	07/26/20 06:22	JHH	Mt. Juliet, TN

TB-01-072220 L1242871-10 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 16:40 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 04:45	07/26/20 04:45	JHH	Mt. Juliet, TN

FB-01-072220 L1242871-11 GW

Collected by: Alex Dennis | Collected date/time: 07/22/20 16:45 | Received date/time: 07/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1515372	1	07/26/20 05:05	07/26/20 05:05	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	86900	J6	5000	1	07/26/2020 15:07	WG1514576

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/26/2020 05:24	WG1515372
Toluene	ND		1.00	1	07/26/2020 05:24	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 05:24	WG1515372
Total Xylenes	ND		3.00	1	07/26/2020 05:24	WG1515372
Methyl tert-butyl ether	55.3		1.00	1	07/26/2020 05:24	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 05:24	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 05:24	WG1515372
(S) Toluene-d8	*98.2*		*80.0-120*		*07/26/2020 05:24*	WG1515372
(S) 4-Bromofluorobenzene	*97.7*		*77.0-126*		*07/26/2020 05:24*	WG1515372
(S) 1,2-Dichloroethane-d4	*84.7*		*70.0-130*		*07/26/2020 05:24*	WG1515372

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	98600		5000	1	07/26/2020 14:16	WG1514576

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/26/2020 05:44	WG1515372
Toluene	ND		1.00	1	07/26/2020 05:44	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 05:44	WG1515372
Total Xylenes	ND		3.00	1	07/26/2020 05:44	WG1515372
Methyl tert-butyl ether	ND		1.00	1	07/26/2020 05:44	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 05:44	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 05:44	WG1515372
(S) Toluene-d8	*93.2*		*80.0-120*		*07/26/2020 05:44*	WG1515372
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*07/26/2020 05:44*	WG1515372
(S) 1,2-Dichloroethane-d4	*83.4*		*70.0-130*		*07/26/2020 05:44*	WG1515372

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	83100		5000	1	07/26/2020 15:59	WG1514576

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	182		1.00	1	07/26/2020 06:03	WG1515372
Toluene	ND		1.00	1	07/26/2020 06:03	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 06:03	WG1515372
Total Xylenes	17.2		3.00	1	07/26/2020 06:03	WG1515372
Methyl tert-butyl ether	106		1.00	1	07/26/2020 06:03	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 06:03	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 06:03	WG1515372
(S) Toluene-d8	*98.6*		*80.0-120*		*07/26/2020 06:03*	WG1515372
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*07/26/2020 06:03*	WG1515372
(S) 1,2-Dichloroethane-d4	*76.9*		*70.0-130*		*07/26/2020 06:03*	WG1515372

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	58800		5000	1	07/26/2020 16:15	WG1514576

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3610		20.0	20	07/26/2020 08:39	WG1515372
Toluene	ND		20.0	20	07/26/2020 08:39	WG1515372
Ethylbenzene	ND		20.0	20	07/26/2020 08:39	WG1515372
Total Xylenes	620		60.0	20	07/26/2020 08:39	WG1515372
Methyl tert-butyl ether	302		20.0	20	07/26/2020 08:39	WG1515372
Naphthalene	ND		100	20	07/26/2020 08:39	WG1515372
1,2-Dichloroethane	ND		20.0	20	07/26/2020 08:39	WG1515372
(S) Toluene-d8	*97.7*		*80.0-120*		*07/26/2020 08:39*	WG1515372
(S) 4-Bromofluorobenzene	*99.0*		*77.0-126*		*07/26/2020 08:39*	WG1515372
(S) 1,2-Dichloroethane-d4	*79.5*		*70.0-130*		*07/26/2020 08:39*	WG1515372

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8180		250	250	07/26/2020 08:58	WG1515372
Toluene	22800		250	250	07/26/2020 08:58	WG1515372
Ethylbenzene	1750		250	250	07/26/2020 08:58	WG1515372
Total Xylenes	11200		750	250	07/26/2020 08:58	WG1515372
Methyl tert-butyl ether	ND		250	250	07/26/2020 08:58	WG1515372
Naphthalene	ND		1250	250	07/26/2020 08:58	WG1515372
1,2-Dichloroethane	ND		250	250	07/26/2020 08:58	WG1515372
(S) Toluene-d8	*99.6*		*80.0-120*		*07/26/2020 08:58*	WG1515372
(S) 4-Bromofluorobenzene	*97.3*		*77.0-126*		*07/26/2020 08:58*	WG1515372
(S) 1,2-Dichloroethane-d4	*78.4*		*70.0-130*		*07/26/2020 08:58*	WG1515372

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4130		200	200	07/28/2020 02:12	WG1515855
Toluene	1270		20.0	20	07/26/2020 09:18	WG1515372
Ethylbenzene	201		20.0	20	07/26/2020 09:18	WG1515372
Total Xylenes	2090		60.0	20	07/26/2020 09:18	WG1515372
Methyl tert-butyl ether	206		20.0	20	07/26/2020 09:18	WG1515372
Naphthalene	ND		100	20	07/26/2020 09:18	WG1515372
1,2-Dichloroethane	ND		20.0	20	07/26/2020 09:18	WG1515372
(S) Toluene-d8	*94.5*		*80.0-120*		*07/26/2020 09:18*	WG1515372
(S) Toluene-d8	*108*		*80.0-120*		*07/28/2020 02:12*	WG1515855
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*		*07/26/2020 09:18*	WG1515372
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/28/2020 02:12*	WG1515855
(S) 1,2-Dichloroethane-d4	*79.3*		*70.0-130*		*07/26/2020 09:18*	WG1515372
(S) 1,2-Dichloroethane-d4	*87.8*		*70.0-130*		*07/28/2020 02:12*	WG1515855

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4840		100	100	07/26/2020 09:37	WG1515372
Toluene	1360		100	100	07/26/2020 09:37	WG1515372
Ethylbenzene	189		100	100	07/26/2020 09:37	WG1515372
Total Xylenes	2100		300	100	07/26/2020 09:37	WG1515372
Methyl tert-butyl ether	184		100	100	07/26/2020 09:37	WG1515372
Naphthalene	ND		500	100	07/26/2020 09:37	WG1515372
1,2-Dichloroethane	ND		100	100	07/26/2020 09:37	WG1515372
(S) Toluene-d8	*100*		*80.0-120*		*07/26/2020 09:37*	WG1515372
(S) 4-Bromofluorobenzene	*96.6*		*77.0-126*		*07/26/2020 09:37*	WG1515372
(S) 1,2-Dichloroethane-d4	*78.6*		*70.0-130*		*07/26/2020 09:37*	WG1515372

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/26/2020 06:42	WG1515372
Toluene	2.18		1.00	1	07/26/2020 06:42	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 06:42	WG1515372
Total Xylenes	ND		3.00	1	07/26/2020 06:42	WG1515372
Methyl tert-butyl ether	ND		1.00	1	07/26/2020 06:42	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 06:42	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 06:42	WG1515372
(S) Toluene-d8	*94.9*		*80.0-120*		*07/26/2020 06:42*	WG1515372
(S) 4-Bromofluorobenzene	*92.7*		*77.0-126*		*07/26/2020 06:42*	WG1515372
(S) 1,2-Dichloroethane-d4	*86.9*		*70.0-130*		*07/26/2020 06:42*	WG1515372

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	8000		5000	1	07/26/2020 16:32	WG1514576

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	55.7		1.00	1	07/26/2020 06:22	WG1515372
Toluene	ND		1.00	1	07/26/2020 06:22	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 06:22	WG1515372
Total Xylenes	6.54		3.00	1	07/26/2020 06:22	WG1515372
Methyl tert-butyl ether	147		1.00	1	07/26/2020 06:22	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 06:22	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 06:22	WG1515372
(S) Toluene-d8	*97.2*		*80.0-120*		*07/26/2020 06:22*	WG1515372
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/26/2020 06:22*	WG1515372
(S) 1,2-Dichloroethane-d4	*76.9*		*70.0-130*		*07/26/2020 06:22*	WG1515372

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/26/2020 04:45	WG1515372
Toluene	ND		1.00	1	07/26/2020 04:45	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 04:45	WG1515372
Total Xylenes	ND		3.00	1	07/26/2020 04:45	WG1515372
Methyl tert-butyl ether	ND		1.00	1	07/26/2020 04:45	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 04:45	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 04:45	WG1515372
(S) Toluene-d8	*105*		*80.0-120*		*07/26/2020 04:45*	WG1515372
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*07/26/2020 04:45*	WG1515372
(S) 1,2-Dichloroethane-d4	*80.2*		*70.0-130*		*07/26/2020 04:45*	WG1515372

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/26/2020 05:05	WG1515372
Toluene	ND		1.00	1	07/26/2020 05:05	WG1515372
Ethylbenzene	ND		1.00	1	07/26/2020 05:05	WG1515372
Total Xylenes	ND		3.00	1	07/26/2020 05:05	WG1515372
Methyl tert-butyl ether	ND		1.00	1	07/26/2020 05:05	WG1515372
Naphthalene	ND		5.00	1	07/26/2020 05:05	WG1515372
1,2-Dichloroethane	ND		1.00	1	07/26/2020 05:05	WG1515372
(S) Toluene-d8	*96.9*		*80.0-120*		*07/26/2020 05:05*	WG1515372
(S) 4-Bromofluorobenzene	*97.4*		*77.0-126*		*07/26/2020 05:05*	WG1515372
(S) 1,2-Dichloroethane-d4	*81.0*		*70.0-130*		*07/26/2020 05:05*	WG1515372

Method Blank (MB)

(MB) R3553477-1 07/26/20 10:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		594	5000

L1242551-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1242551-01 07/26/20 16:49 • (DUP) R3553477-6 07/26/20 17:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	ND	ND	1	2.60		15

Laboratory Control Sample (LCS)

(LCS) R3553477-2 07/26/20 11:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	43100	108	80.0-120	

L1242871-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1242871-01 07/26/20 15:07 • (MS) R3553477-4 07/26/20 15:23 • (MSD) R3553477-5 07/26/20 15:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	86900	121000	122000	69.0	70.0	1	80.0-120	E J6	E J6	0.381	15

Method Blank (MB)

(MB) R3553592-2 07/26/20 03:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*95.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*87.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3553592-1 07/26/20 03:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.06	101	70.0-130	
1,2-Dichloroethane	5.00	4.39	87.8	70.0-130	
Ethylbenzene	5.00	4.51	90.2	70.0-130	
Methyl tert-butyl ether	5.00	4.86	97.2	70.0-130	
Naphthalene	5.00	4.44	88.8	70.0-130	
Toluene	5.00	4.69	93.8	70.0-130	
Xylenes, Total	15.0	14.0	93.3	70.0-130	
(S) Toluene-d8			*92.7*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.5*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*82.9*	*70.0-130*	

Method Blank (MB)

(MB) R3553850-2 07/27/20 23:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3553850-1 07/27/20 22:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.56	91.2	70.0-130	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*90.8*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

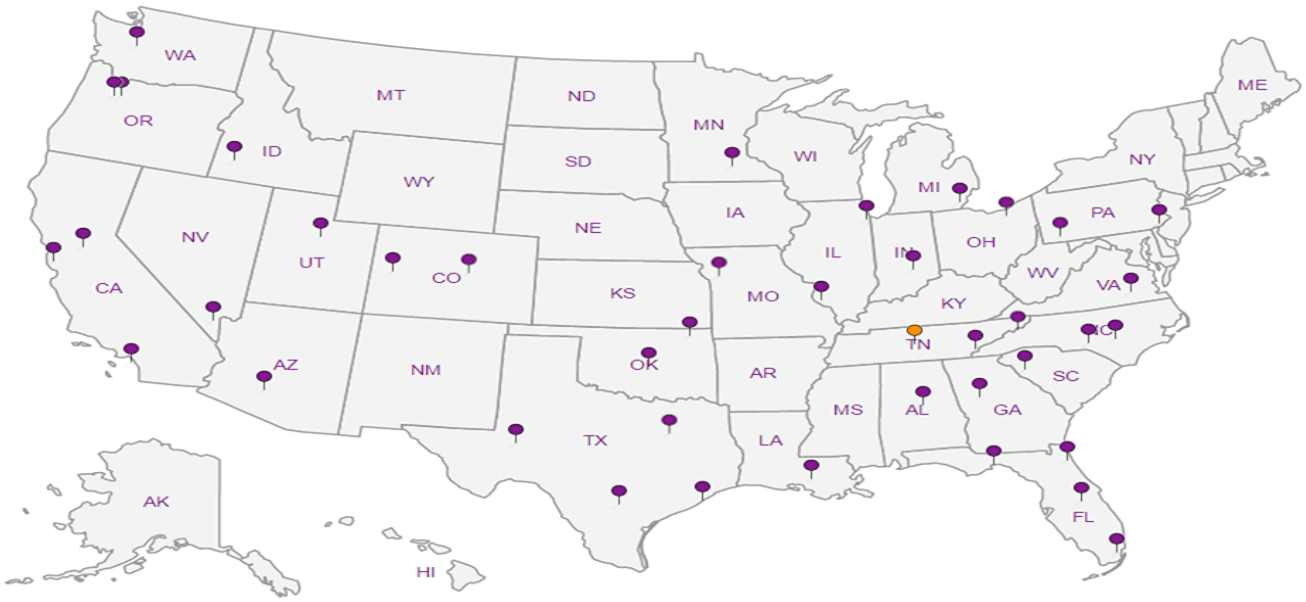
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # Lewis Drive KM

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Alex Dennis

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-56-072220	G	GW		7/22/20	1230	4	1	3	0		-01
MW-37-072220	G	GW		7/22/20	1245	4	1	3	0		-02
MW-57-072220	G	GW		7/22/20	1340	4	1	3	0		-03
MW-38-072220	G	GW		7/22/20	1350	4	1	3	0		-04
MW-17B-072220	G	GW		7/22/20	1420	3	0	3	0		-05
MW-15B-072220	G	GW		7/22/20	1450	3	0	3	0		-06
MW-16B-D-072220	G	GW		7/22/20	1480	3	0	3	0		-07
VBS-01-072220	G	GW		7/22/20	1515	3	0	3	0		-08
MW-46-072220	G	GW		7/22/20	1530	4	1	3	0		-09
TB-01-072220		GW		7/22/20	1640	17	0	0	3		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC = BTEX, MTBE, Napthalene, and 1,2-DCA.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking # 905008897399

Relinquished by : (Signature) — Date: 7/22/20 — Time: 1700 — Received by: (Signature)

Trip Blank Received: Yes / No (HCl / MeoH) TBR — 1

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Temp: 4.4 °C 2.4-0=2.4 — Bottles Received: 35

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 07/23/20 — Time: 0400

Hold: — Condition: NCF / (OK)

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓Y N
COC Signed/Accurate: ✓Y N
Bottles arrive intact: ✓Y N
Correct bottles used: ✓Y N
Sufficient volume sent: ✓Y N
If Applicable
VOA Zero Headspace: ✓Y N
Preservation Correct/Checked: ✓Y N
RAD Screen <0.5 mR/hr: ✓Y N

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1242871

F216

Acctnum: KINCH2MGA

Template: T171260

Prelogin: P786511

PM: 526 - Chris McCord

PB: LC 7/17

Shipped Via: FedEx Ground

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # Lewis Drive, SC, ITR

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Alex Bennett

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Pres Chk	Remarks	Sample # (lab only)
FB-01-072220	G	GW		7/22/20	1645	3	0	3	0			-17
		GW										
		GW										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC = BTEX, MTBE, Napthalene, and 1,2-DCA.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	7/22/20	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
1

Temp: 1.6 °C Bottles Received: 35
2.4+0=2.4

Date: 072320 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1242871

Table #

Acctnum: KINCH2MGA

Template: T171260

Prelogin: P786511

PM: 526 - Chris McCord

PB: LC 7/17

Shipped Via: FedEx Ground

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 18, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1207763
Samples Received:	04/10/2020
Project Number:	KMLDOM20 B.CS.GEN.LD
Description:	Lewis Drive Site
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SB-38B-0.5-1.0-040820 L1207763-01 Solid

Collected by: Micheal T.
Collected date/time: 04/08/20 13:35
Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1460269	1	04/14/20 12:50	04/14/20 13:03	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1460219	1	04/08/20 13:35	04/14/20 11:01	JHH	Mt. Juliet, TN

SB-38B-0.5-1.0DUP-040820 L1207763-02 Solid

Collected by: Micheal T.
Collected date/time: 04/08/20 13:40
Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1460269	1	04/14/20 12:50	04/14/20 13:03	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1460219	1	04/08/20 13:40	04/14/20 11:20	JHH	Mt. Juliet, TN

TB01-040920 L1207763-03 GW

Collected by: Micheal T.
Collected date/time: 04/09/20 00:00
Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1459291	1	04/11/20 13:48	04/11/20 13:48	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	04/14/2020 13:03	WG1460269

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Benzene	ND		1.25	1	04/14/2020 11:01	WG1460219
Toluene	ND		6.23	1	04/14/2020 11:01	WG1460219
Ethylbenzene	ND		3.11	1	04/14/2020 11:01	WG1460219
o-Xylene	ND		3.11	1	04/14/2020 11:01	WG1460219
m&p-Xylenes	ND		4.98	1	04/14/2020 11:01	WG1460219
Xylenes, Total	ND		8.09	1	04/14/2020 11:01	WG1460219
Naphthalene	ND		15.6	1	04/14/2020 11:01	WG1460219
(S) Toluene-d8	*117*		*75.0-131*		*04/14/2020 11:01*	WG1460219
(S) 4-Bromofluorobenzene	*92.6*		*67.0-138*		*04/14/2020 11:01*	WG1460219
(S) 1,2-Dichloroethane-d4	*77.1*		*70.0-130*		*04/14/2020 11:01*	WG1460219

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/14/2020 13:03	WG1460269

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Benzene	ND		1.21	1	04/14/2020 11:20	WG1460219
Toluene	ND		6.07	1	04/14/2020 11:20	WG1460219
Ethylbenzene	ND		3.03	1	04/14/2020 11:20	WG1460219
o-Xylene	ND		3.03	1	04/14/2020 11:20	WG1460219
m&p-Xylenes	ND		4.85	1	04/14/2020 11:20	WG1460219
Xylenes, Total	ND		7.89	1	04/14/2020 11:20	WG1460219
Naphthalene	ND		15.2	1	04/14/2020 11:20	WG1460219
(S) Toluene-d8	*117*		*75.0-131*		*04/14/2020 11:20*	WG1460219
(S) 4-Bromofluorobenzene	*93.6*		*67.0-138*		*04/14/2020 11:20*	WG1460219
(S) 1,2-Dichloroethane-d4	*73.0*		*70.0-130*		*04/14/2020 11:20*	WG1460219

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/11/2020 13:48	WG1459291
Toluene	ND		1.00	1	04/11/2020 13:48	WG1459291
Ethylbenzene	ND		1.00	1	04/11/2020 13:48	WG1459291
o-Xylene	ND		1.00	1	04/11/2020 13:48	WG1459291
m&p-Xylene	ND		2.00	1	04/11/2020 13:48	WG1459291
Xylenes, Total	ND		3.00	1	04/11/2020 13:48	WG1459291
Naphthalene	ND		5.00	1	04/11/2020 13:48	WG1459291
(S) Toluene-d8	*105*		*80.0-120*		*04/11/2020 13:48*	WG1459291
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*04/11/2020 13:48*	WG1459291
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*04/11/2020 13:48*	WG1459291

Method Blank (MB)

(MB) R3518820-1 04/14/20 13:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1207766-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1207766-05 04/14/20 13:03 • (DUP) R3518820-3 04/14/20 13:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.9	77.0	1	3.67		10

Laboratory Control Sample (LCS)

(LCS) R3518820-2 04/14/20 13:03

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3519719-2 04/11/20 11:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3519719-1 04/11/20 10:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.20	84.0	70.0-130	
Ethylbenzene	5.00	4.67	93.4	70.0-130	
Naphthalene	5.00	3.93	78.6	70.0-130	
Toluene	5.00	4.69	93.8	70.0-130	
Xylenes, Total	15.0	13.6	90.7	70.0-130	
o-Xylene	5.00	4.51	90.2	70.0-130	
m&p-Xylene	10.0	9.10	91.0	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*90.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*97.8*	*70.0-130*	

Method Blank (MB)

(MB) R3518772-2 04/14/20 09:10

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Benzene	U		0.400	1.00
Ethylbenzene	U		0.530	2.50
Naphthalene	U		3.12	12.5
Toluene	U		1.25	5.00
Xylenes, Total	U		4.78	6.50
o-Xylene	U		1.00	2.50
m&p-Xylenes	U		1.50	4.00
(S) Toluene-d8	*117*			*75.0-131*
(S) 4-Bromofluorobenzene	*91.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*71.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3518772-1 04/14/20 08:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	125	104	83.2	70.0-130	
Ethylbenzene	125	116	92.8	70.0-130	
Naphthalene	125	95.1	76.1	70.0-130	
Toluene	125	119	95.2	70.0-130	
Xylenes, Total	375	332	88.5	70.0-130	
o-Xylene	125	105	84.0	70.0-130	
m&p-Xylenes	250	227	90.8	70.0-130	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*78.4*	*70.0-130*	

L1207799-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207799-05 04/14/20 14:10 • (MS) R3518772-3 04/14/20 17:19 • (MSD) R3518772-4 04/14/20 17:38

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	125	38.7	316	317	222	223	1	10.0-149	J5	J5	0.316	37
Ethylbenzene	125	9.68	179	181	135	137	1	10.0-160			1.11	38
Naphthalene	125	ND	151	151	113	113	1	10.0-160			0.000	36
Toluene	125	67.8	470	462	322	315	1	10.0-156	J5	J5	1.72	38
Xylenes, Total	375	39.4	558	552	138	137	1	10.0-160			1.08	38
o-Xylene	125	11.0	165	166	123	124	1	10.0-156			0.604	40
m&p-Xylenes	250	28.4	393	386	146	143	1	10.0-156			1.80	40

L1207799-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207799-05 04/14/20 14:10 • (MS) R3518772-3 04/14/20 17:19 • (MSD) R3518772-4 04/14/20 17:38

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Toluene-d8					*116*	*114*		*75.0-131*				
(S) 4-Bromofluorobenzene					*94.7*	*93.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*76.3*	*76.9*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

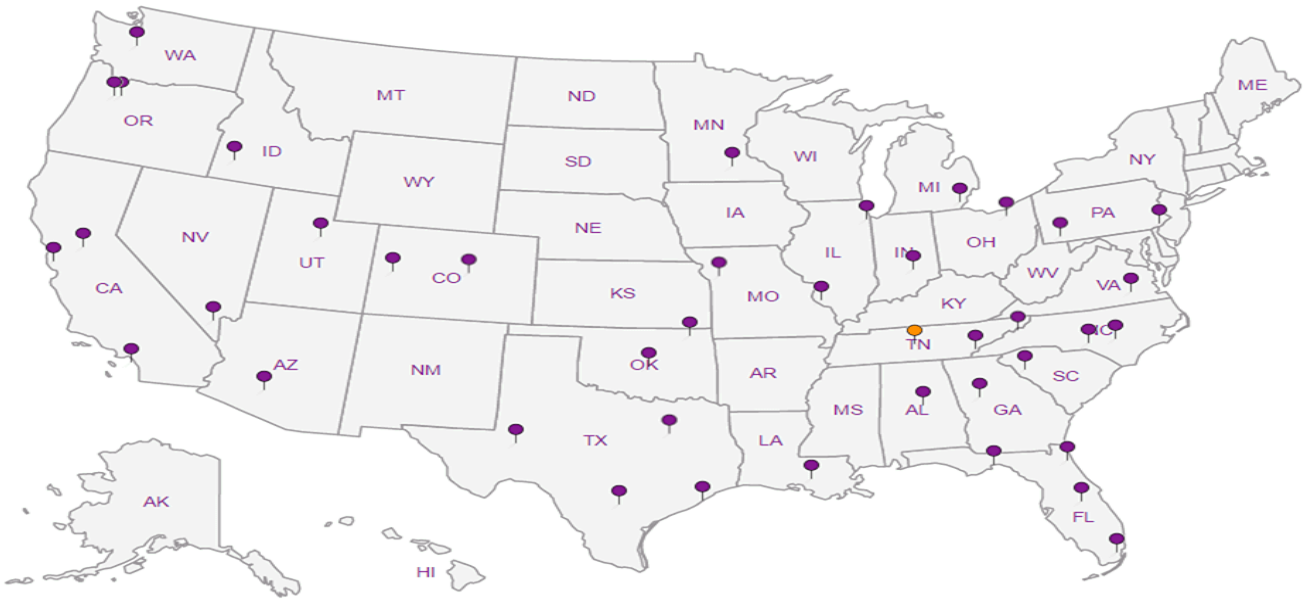
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs.co

Project Description: Lewis Drive Site

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project #: KMLDOM20
B.CS.GEN.IDOMR.GW

Lab Project #: KINCH2MGA-LEWISSOIL

Collected by (print): MICHAEL TERLE

Site/Facility ID #: LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Chain of Custody Page 1 of 1

SDG # 120763
H149

Acctnum: KINCH2MGA
Template: T165620
Prelogin: P765411
PM: 526 - Chris McCord
PB: 3-30-20 2G

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260BTEXNSC 40mlAmb/MeOH5ml/Syr	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
SB-38B-0.5-1.0-040820	GRAB	SS	0.5-1.0	04/08/20	1335	2	X	X			-01
SB-38B-0.5-1.0 DUP-040820	GRAB	SS	0.5-1.0	04/08/20	1340	2	X	X			-02
TB01-040920	—	~~SS~~	—	04/09/20	—	1			X		-03
		SS									
		SS									
		SS									
		GW									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: X Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Melissa	04/09/20	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IR#3 °C .2+.3=.5 Bottles Received: 1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) JSA	Date: 4-10 Time: 0850	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 10, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1205726
Samples Received:	04/03/2020
Project Number:	KMLDOM20B.CS.GEN.LDO
Description:	Lewis Drive Surface Water
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

SW11-040220 L1205726-01 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 11:00 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456010	1	04/06/20 09:59	04/06/20 09:59	JCP	Mt. Juliet, TN

SW10-040220 L1205726-02 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 11:10 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456010	1	04/06/20 10:20	04/06/20 10:20	JCP	Mt. Juliet, TN

SW09-040220 L1205726-03 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 11:25 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456010	1	04/06/20 10:40	04/06/20 10:40	JCP	Mt. Juliet, TN

SW08-040220 L1205726-04 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 11:40 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456010	1	04/06/20 11:01	04/06/20 11:01	JCP	Mt. Juliet, TN

SW13-040220 L1205726-05 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 11:50 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456010	1	04/06/20 11:22	04/06/20 11:22	JCP	Mt. Juliet, TN

SW04-040220 L1205726-06 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 12:10 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 08:31	04/06/20 08:31	JCP	Mt. Juliet, TN

SW02-040220 L1205726-07 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 12:20 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 08:51	04/06/20 08:51	JCP	Mt. Juliet, TN

SW01-040220 L1205726-08 GW

Collected by: Melissa Warren | Collected date/time: 04/02/20 12:45 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 09:12	04/06/20 09:12	JCP	Mt. Juliet, TN

SW12-040220 L1205726-09 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 13:20
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 09:32	04/06/20 09:32	JCP	Mt. Juliet, TN

SW03-040220 L1205726-10 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 13:35
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 09:52	04/06/20 09:52	JCP	Mt. Juliet, TN

SW14-040220 L1205726-11 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 15:00
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 10:13	04/06/20 10:13	JCP	Mt. Juliet, TN

SW05-040220 L1205726-12 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 15:20
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 10:33	04/06/20 10:33	JCP	Mt. Juliet, TN

TB01-040220 L1205726-13 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 00:00
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 08:11	04/06/20 08:11	JCP	Mt. Juliet, TN

SW07-040220 L1205726-14 GW

Collected by: Melissa Warren
Collected date/time: 04/02/20 13:05
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456050	1	04/06/20 10:53	04/06/20 10:53	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 09:59	WG1456010
Toluene	ND		1.00	1	04/06/2020 09:59	WG1456010
Ethylbenzene	ND		1.00	1	04/06/2020 09:59	WG1456010
o-Xylene	ND		1.00	1	04/06/2020 09:59	WG1456010
m&p-Xylene	ND		2.00	1	04/06/2020 09:59	WG1456010
Total Xylenes	ND		3.00	1	04/06/2020 09:59	WG1456010
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 09:59	WG1456010
Naphthalene	ND		5.00	1	04/06/2020 09:59	WG1456010
(S) Toluene-d8	*106*		*80.0-120*		*04/06/2020 09:59*	WG1456010
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*04/06/2020 09:59*	WG1456010
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*04/06/2020 09:59*	WG1456010

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 10:20	WG1456010
Toluene	ND		1.00	1	04/06/2020 10:20	WG1456010
Ethylbenzene	ND		1.00	1	04/06/2020 10:20	WG1456010
o-Xylene	ND		1.00	1	04/06/2020 10:20	WG1456010
m&p-Xylene	ND		2.00	1	04/06/2020 10:20	WG1456010
Total Xylenes	ND		3.00	1	04/06/2020 10:20	WG1456010
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 10:20	WG1456010
Naphthalene	ND		5.00	1	04/06/2020 10:20	WG1456010
(S) Toluene-d8	*105*		*80.0-120*		*04/06/2020 10:20*	WG1456010
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*04/06/2020 10:20*	WG1456010
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*04/06/2020 10:20*	WG1456010

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 10:40	WG1456010
Toluene	ND		1.00	1	04/06/2020 10:40	WG1456010
Ethylbenzene	ND		1.00	1	04/06/2020 10:40	WG1456010
o-Xylene	ND		1.00	1	04/06/2020 10:40	WG1456010
m&p-Xylene	ND		2.00	1	04/06/2020 10:40	WG1456010
Total Xylenes	ND		3.00	1	04/06/2020 10:40	WG1456010
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 10:40	WG1456010
Naphthalene	ND		5.00	1	04/06/2020 10:40	WG1456010
(S) Toluene-d8	*104*		*80.0-120*		*04/06/2020 10:40*	WG1456010
(S) 4-Bromofluorobenzene	*99.1*		*77.0-126*		*04/06/2020 10:40*	WG1456010
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*04/06/2020 10:40*	WG1456010

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 11:01	WG1456010
Toluene	ND		1.00	1	04/06/2020 11:01	WG1456010
Ethylbenzene	ND		1.00	1	04/06/2020 11:01	WG1456010
o-Xylene	ND		1.00	1	04/06/2020 11:01	WG1456010
m&p-Xylene	ND		2.00	1	04/06/2020 11:01	WG1456010
Total Xylenes	ND		3.00	1	04/06/2020 11:01	WG1456010
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 11:01	WG1456010
Naphthalene	ND		5.00	1	04/06/2020 11:01	WG1456010
(S) Toluene-d8	*103*		*80.0-120*		*04/06/2020 11:01*	WG1456010
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*04/06/2020 11:01*	WG1456010
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*04/06/2020 11:01*	WG1456010

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 11:22	WG1456010
Toluene	ND		1.00	1	04/06/2020 11:22	WG1456010
Ethylbenzene	ND		1.00	1	04/06/2020 11:22	WG1456010
o-Xylene	ND		1.00	1	04/06/2020 11:22	WG1456010
m&p-Xylene	ND		2.00	1	04/06/2020 11:22	WG1456010
Total Xylenes	ND		3.00	1	04/06/2020 11:22	WG1456010
Methyl tert-butyl ether	2.09		1.00	1	04/06/2020 11:22	WG1456010
Naphthalene	ND		5.00	1	04/06/2020 11:22	WG1456010
(S) Toluene-d8	*104*		*80.0-120*		*04/06/2020 11:22*	WG1456010
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/06/2020 11:22*	WG1456010
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*04/06/2020 11:22*	WG1456010

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 08:31	WG1456050
Toluene	ND		1.00	1	04/06/2020 08:31	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 08:31	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 08:31	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 08:31	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 08:31	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 08:31	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 08:31	WG1456050
(S) Toluene-d8	*116*		*80.0-120*		*04/06/2020 08:31*	WG1456050
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*04/06/2020 08:31*	WG1456050
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*04/06/2020 08:31*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.01		1.00	1	04/06/2020 08:51	WG1456050
Toluene	ND		1.00	1	04/06/2020 08:51	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 08:51	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 08:51	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 08:51	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 08:51	WG1456050
Methyl tert-butyl ether	1.31		1.00	1	04/06/2020 08:51	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 08:51	WG1456050
(S) Toluene-d8	*114*		*80.0-120*		*04/06/2020 08:51*	WG1456050
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*04/06/2020 08:51*	WG1456050
(S) 1,2-Dichloroethane-d4	*99.6*		*70.0-130*		*04/06/2020 08:51*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6.75		1.00	1	04/06/2020 09:12	WG1456050
Toluene	3.20		1.00	1	04/06/2020 09:12	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 09:12	WG1456050
o-Xylene	1.69		1.00	1	04/06/2020 09:12	WG1456050
m&p-Xylene	2.32		2.00	1	04/06/2020 09:12	WG1456050
Total Xylenes	4.01		3.00	1	04/06/2020 09:12	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 09:12	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 09:12	WG1456050
(S) Toluene-d8	*116*		*80.0-120*		*04/06/2020 09:12*	WG1456050
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*04/06/2020 09:12*	WG1456050
(S) 1,2-Dichloroethane-d4	*98.4*		*70.0-130*		*04/06/2020 09:12*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 09:32	WG1456050
Toluene	ND		1.00	1	04/06/2020 09:32	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 09:32	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 09:32	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 09:32	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 09:32	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 09:32	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 09:32	WG1456050
(S) Toluene-d8	*118*		*80.0-120*		*04/06/2020 09:32*	WG1456050
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*04/06/2020 09:32*	WG1456050
(S) 1,2-Dichloroethane-d4	*99.1*		*70.0-130*		*04/06/2020 09:32*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 09:52	WG1456050
Toluene	ND		1.00	1	04/06/2020 09:52	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 09:52	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 09:52	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 09:52	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 09:52	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 09:52	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 09:52	WG1456050
(S) Toluene-d8	*116*		*80.0-120*		*04/06/2020 09:52*	WG1456050
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/06/2020 09:52*	WG1456050
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*04/06/2020 09:52*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 10:13	WG1456050
Toluene	ND		1.00	1	04/06/2020 10:13	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 10:13	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 10:13	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 10:13	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 10:13	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 10:13	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 10:13	WG1456050
(S) Toluene-d8	*117*		*80.0-120*		*04/06/2020 10:13*	WG1456050
(S) 4-Bromofluorobenzene	*99.4*		*77.0-126*		*04/06/2020 10:13*	WG1456050
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*04/06/2020 10:13*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 10:33	WG1456050
Toluene	ND		1.00	1	04/06/2020 10:33	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 10:33	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 10:33	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 10:33	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 10:33	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 10:33	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 10:33	WG1456050
(S) Toluene-d8	*116*		*80.0-120*		*04/06/2020 10:33*	WG1456050
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/06/2020 10:33*	WG1456050
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*04/06/2020 10:33*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 08:11	WG1456050
Toluene	ND		1.00	1	04/06/2020 08:11	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 08:11	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 08:11	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 08:11	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 08:11	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 08:11	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 08:11	WG1456050
(S) Toluene-d8	*114*		*80.0-120*		*04/06/2020 08:11*	WG1456050
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/06/2020 08:11*	WG1456050
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*04/06/2020 08:11*	WG1456050

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	04/06/2020 10:53	WG1456050
Toluene	ND		1.00	1	04/06/2020 10:53	WG1456050
Ethylbenzene	ND		1.00	1	04/06/2020 10:53	WG1456050
o-Xylene	ND		1.00	1	04/06/2020 10:53	WG1456050
m&p-Xylene	ND		2.00	1	04/06/2020 10:53	WG1456050
Total Xylenes	ND		3.00	1	04/06/2020 10:53	WG1456050
Methyl tert-butyl ether	ND		1.00	1	04/06/2020 10:53	WG1456050
Naphthalene	ND		5.00	1	04/06/2020 10:53	WG1456050
(S) Toluene-d8	*117*		*80.0-120*		*04/06/2020 10:53*	WG1456050
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*04/06/2020 10:53*	WG1456050
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*04/06/2020 10:53*	WG1456050

Method Blank (MB)

(MB) R3516441-2 04/06/20 04:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516441-1 04/06/20 03:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.34	107	70.0-130	
Ethylbenzene	5.00	5.39	108	70.0-130	
Methyl tert-butyl ether	5.00	4.76	95.2	70.0-130	
Naphthalene	5.00	5.76	115	70.0-130	
Toluene	5.00	5.49	110	70.0-130	
Xylenes, Total	15.0	17.2	115	70.0-130	
o-Xylene	5.00	5.78	116	70.0-130	
m&p-Xylenes	10.0	11.4	114	70.0-130	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3516430-4 04/06/20 07:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*115*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3516430-1 04/06/20 06:08 • (LCSD) R3516430-2 04/06/20 06:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.04	5.16	101	103	70.0-130			2.35	20
Ethylbenzene	5.00	5.39	5.57	108	111	70.0-130			3.28	20
Methyl tert-butyl ether	5.00	4.75	4.55	95.0	91.0	70.0-130			4.30	20
Naphthalene	5.00	6.14	6.41	123	128	70.0-130			4.30	20
Toluene	5.00	5.52	5.49	110	110	70.0-130			0.545	20
Xylenes, Total	15.0	16.7	17.1	111	114	70.0-130			2.37	20
o-Xylene	5.00	5.71	5.75	114	115	70.0-130			0.698	20
m&p-Xylenes	10.0	11.0	11.4	110	114	70.0-130			3.57	20
(S) Toluene-d8				*115*	*117*	*80.0-120*				
(S) 4-Bromofluorobenzene				*108*	*109*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.2*	*96.1*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

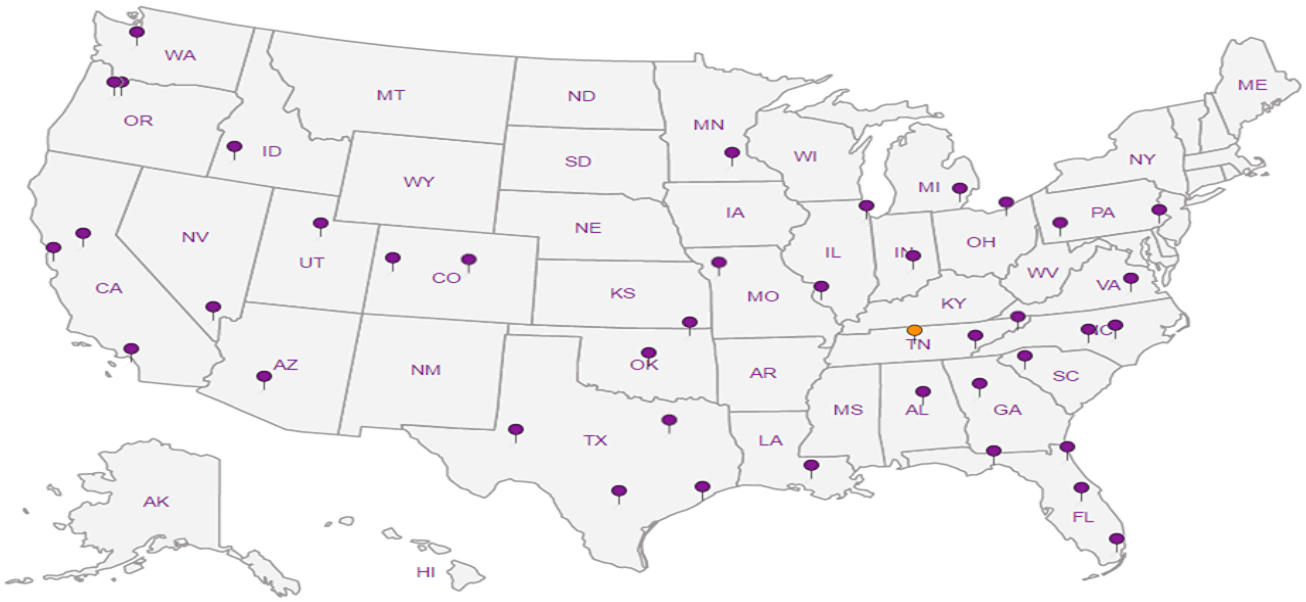
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs.co

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project # KMLDOMZO
B,CS,GEN,LDOMR,SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk: X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW11-040220	GRAB	GW	NA	04/02/20	1100	3	X		-01
SW10-040220		GW			1110	3	X		-02
SW09-040220		GW			1125	3	X		-03
SW08-040220		GW			1140	3	X		-04
SW13-040220		GW			1150	3	X		-05
SW04-040220		GW			1210	3	X		-06
SW02-040220		GW			1220	3	X		-07
SW01-040220		GW			1245	3	X		-08
SW12-040220		GW			1320	3	X		-09
SW03-040220		GW			1335	3	X		-10

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG L1205726

H036

Tab

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P764656

PM: 526 - Chris McCord

PB: 3-26-2020 GM

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier _____

Tracking # 391587765157

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature)	04/02/20	1800	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.4 °C Bottles Received: 34
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-3-20 Time: 0820

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs.co

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project # KMLDOM20
B, CS, GEN, LDOMR, SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARNER

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	TRIP BLANK									Remarks	Sample # (lab only)
SW14-040220	GRAB	GW	NA	04/02/20	1500	3	X											-11
SW05-040220	↓	GW	↓	↓	1520	3	X											-12
TB01-040220		GW			—	~~3~~ 1	~~X~~	X									TRIP BLANK	-13
SW07-040220		GW			1305	3	X											-14
		GW				3	X											

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1205724

Table #

Acctnum: KINCH2MGA
Template: T155770
Prelogin: P764656
PM: 526 - Chris McCord
PB: 3-26-2020 GM

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	04/02/20	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.0°C, 3.1, 2.2 Bottles Received: 39

Date: 4-3-20 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 13, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1215721
Samples Received:	05/06/2020
Project Number:	KMLDOM20
Description:	Lewis Drive Surface Water
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

SW10-050420 L1215721-01 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 11:05 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472412	1	05/08/20 01:08	05/08/20 01:08	ACG	Mt. Juliet, TN

SW09-050420 L1215721-02 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 11:25 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472412	1	05/08/20 01:28	05/08/20 01:28	ACG	Mt. Juliet, TN

SW08-050420 L1215721-03 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 11:30 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 15:32	05/08/20 15:32	ACG	Mt. Juliet, TN

SW13-050420 L1215721-04 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 11:50 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 20:04	05/07/20 20:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 15:51	05/08/20 15:51	ACG	Mt. Juliet, TN

SW04-050420 L1215721-05 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 13:50 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 20:22	05/07/20 20:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 16:10	05/08/20 16:10	ACG	Mt. Juliet, TN

SW02-050420 L1215721-06 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 14:00 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 20:40	05/07/20 20:40	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 16:30	05/08/20 16:30	ACG	Mt. Juliet, TN

SW11-050420 L1215721-07 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 14:35 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 16:49	05/08/20 16:49	ACG	Mt. Juliet, TN

SW01-050420 L1215721-08 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 15:35 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 20:58	05/07/20 20:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 17:08	05/08/20 17:08	ACG	Mt. Juliet, TN

SW07-050420 L1215721-09 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 15:45 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 17:27	05/08/20 17:27	ACG	Mt. Juliet, TN

SW12-050420 L1215721-10 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 16:10 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 21:16	05/07/20 21:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 17:47	05/08/20 17:47	ACG	Mt. Juliet, TN

SW03-050420 L1215721-11 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 16:20 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 18:06	05/08/20 18:06	ACG	Mt. Juliet, TN

SW05-050420 L1215721-12 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 16:40 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 21:34	05/07/20 21:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 18:25	05/08/20 18:25	ACG	Mt. Juliet, TN

SW14-050420 L1215721-13 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 17:10 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1471756	1	05/07/20 21:52	05/07/20 21:52	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 18:45	05/08/20 18:45	ACG	Mt. Juliet, TN

FB01-050420 L1215721-14 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 18:55 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 14:34	05/08/20 14:34	ACG	Mt. Juliet, TN

TB01-050420 L1215721-15 GW

Collected by: Collin Sutton | Collected date/time: 05/04/20 00:00 | Received date/time: 05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472873	1	05/08/20 13:28	05/08/20 13:28	ACG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 01:08	WG1472412
Toluene	ND		1.00	1	05/08/2020 01:08	WG1472412
Ethylbenzene	ND		1.00	1	05/08/2020 01:08	WG1472412
o-Xylene	ND		1.00	1	05/08/2020 01:08	WG1472412
m&p-Xylene	ND		2.00	1	05/08/2020 01:08	WG1472412
Xylenes, Total	ND		3.00	1	05/08/2020 01:08	WG1472412
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 01:08	WG1472412
Naphthalene	ND		5.00	1	05/08/2020 01:08	WG1472412
(S) Toluene-d8	*109*		*80.0-120*		*05/08/2020 01:08*	WG1472412
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/08/2020 01:08*	WG1472412
(S) 1,2-Dichloroethane-d4	*82.9*		*70.0-130*		*05/08/2020 01:08*	WG1472412

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 01:28	WG1472412
Toluene	ND		1.00	1	05/08/2020 01:28	WG1472412
Ethylbenzene	ND		1.00	1	05/08/2020 01:28	WG1472412
o-Xylene	ND		1.00	1	05/08/2020 01:28	WG1472412
m&p-Xylene	ND		2.00	1	05/08/2020 01:28	WG1472412
Xylenes, Total	ND		3.00	1	05/08/2020 01:28	WG1472412
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 01:28	WG1472412
Naphthalene	ND		5.00	1	05/08/2020 01:28	WG1472412
(S) Toluene-d8	*109*		*80.0-120*		*05/08/2020 01:28*	WG1472412
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/08/2020 01:28*	WG1472412
(S) 1,2-Dichloroethane-d4	*83.6*		*70.0-130*		*05/08/2020 01:28*	WG1472412

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 15:32	WG1472873
Toluene	ND		1.00	1	05/08/2020 15:32	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 15:32	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 15:32	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 15:32	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 15:32	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 15:32	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 15:32	WG1472873
(S) Toluene-d8	*110*		*80.0-120*		*05/08/2020 15:32*	WG1472873
(S) 4-Bromofluorobenzene	*83.2*		*77.0-126*		*05/08/2020 15:32*	WG1472873
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*05/08/2020 15:32*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	26300		5000	1	05/07/2020 20:04	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 15:51	WG1472873
Toluene	ND		1.00	1	05/08/2020 15:51	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 15:51	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 15:51	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 15:51	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 15:51	WG1472873
Methyl tert-butyl ether	2.87		1.00	1	05/08/2020 15:51	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 15:51	WG1472873
(S) Toluene-d8	*113*		*80.0-120*		*05/08/2020 15:51*	WG1472873
(S) 4-Bromofluorobenzene	*88.8*		*77.0-126*		*05/08/2020 15:51*	WG1472873
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*05/08/2020 15:51*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	05/07/2020 20:22	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 16:10	WG1472873
Toluene	ND		1.00	1	05/08/2020 16:10	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 16:10	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 16:10	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 16:10	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 16:10	WG1472873
Methyl tert-butyl ether	1.49		1.00	1	05/08/2020 16:10	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 16:10	WG1472873
(S) Toluene-d8	*111*		*80.0-120*		*05/08/2020 16:10*	WG1472873
(S) 4-Bromofluorobenzene	*87.3*		*77.0-126*		*05/08/2020 16:10*	WG1472873
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/08/2020 16:10*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	05/07/2020 20:40	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.35		1.00	1	05/08/2020 16:30	WG1472873
Toluene	ND		1.00	1	05/08/2020 16:30	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 16:30	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 16:30	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 16:30	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 16:30	WG1472873
Methyl tert-butyl ether	1.49		1.00	1	05/08/2020 16:30	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 16:30	WG1472873
(S) Toluene-d8	*111*		*80.0-120*		*05/08/2020 16:30*	WG1472873
(S) 4-Bromofluorobenzene	*91.9*		*77.0-126*		*05/08/2020 16:30*	WG1472873
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*05/08/2020 16:30*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 16:49	WG1472873
Toluene	ND		1.00	1	05/08/2020 16:49	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 16:49	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 16:49	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 16:49	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 16:49	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 16:49	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 16:49	WG1472873
(S) Toluene-d8	*113*		*80.0-120*		*05/08/2020 16:49*	WG1472873
(S) 4-Bromofluorobenzene	*89.6*		*77.0-126*		*05/08/2020 16:49*	WG1472873
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*05/08/2020 16:49*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	05/07/2020 20:58	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.13		1.00	1	05/08/2020 17:08	WG1472873
Toluene	ND		1.00	1	05/08/2020 17:08	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 17:08	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 17:08	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 17:08	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 17:08	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 17:08	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 17:08	WG1472873
(S) Toluene-d8	*114*		*80.0-120*		*05/08/2020 17:08*	WG1472873
(S) 4-Bromofluorobenzene	*92.3*		*77.0-126*		*05/08/2020 17:08*	WG1472873
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*05/08/2020 17:08*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 17:27	WG1472873
Toluene	ND		1.00	1	05/08/2020 17:27	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 17:27	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 17:27	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 17:27	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 17:27	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 17:27	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 17:27	WG1472873
(S) Toluene-d8	*114*		*80.0-120*		*05/08/2020 17:27*	WG1472873
(S) 4-Bromofluorobenzene	*83.6*		*77.0-126*		*05/08/2020 17:27*	WG1472873
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/08/2020 17:27*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	05/07/2020 21:16	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 17:47	WG1472873
Toluene	ND		1.00	1	05/08/2020 17:47	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 17:47	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 17:47	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 17:47	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 17:47	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 17:47	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 17:47	WG1472873
(S) Toluene-d8	*112*		*80.0-120*		*05/08/2020 17:47*	WG1472873
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*		*05/08/2020 17:47*	WG1472873
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*05/08/2020 17:47*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 18:06	WG1472873
Toluene	ND		1.00	1	05/08/2020 18:06	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 18:06	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 18:06	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 18:06	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 18:06	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 18:06	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 18:06	WG1472873
(S) Toluene-d8	*115*		*80.0-120*		*05/08/2020 18:06*	WG1472873
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*		*05/08/2020 18:06*	WG1472873
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/08/2020 18:06*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	05/07/2020 21:34	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 18:25	WG1472873
Toluene	ND		1.00	1	05/08/2020 18:25	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 18:25	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 18:25	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 18:25	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 18:25	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 18:25	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 18:25	WG1472873
(S) Toluene-d8	*112*		*80.0-120*		*05/08/2020 18:25*	WG1472873
(S) 4-Bromofluorobenzene	*88.6*		*77.0-126*		*05/08/2020 18:25*	WG1472873
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*05/08/2020 18:25*	WG1472873

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	10000		5000	1	05/07/2020 21:52	WG1471756

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 18:45	WG1472873
Toluene	ND		1.00	1	05/08/2020 18:45	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 18:45	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 18:45	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 18:45	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 18:45	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 18:45	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 18:45	WG1472873
(S) Toluene-d8	*109*		*80.0-120*		*05/08/2020 18:45*	WG1472873
(S) 4-Bromofluorobenzene	*90.4*		*77.0-126*		*05/08/2020 18:45*	WG1472873
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/08/2020 18:45*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 14:34	WG1472873
Toluene	ND		1.00	1	05/08/2020 14:34	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 14:34	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 14:34	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 14:34	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 14:34	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 14:34	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 14:34	WG1472873
(S) Toluene-d8	*116*		*80.0-120*		*05/08/2020 14:34*	WG1472873
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*05/08/2020 14:34*	WG1472873
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/08/2020 14:34*	WG1472873

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	05/08/2020 13:28	WG1472873
Toluene	ND		1.00	1	05/08/2020 13:28	WG1472873
Ethylbenzene	ND		1.00	1	05/08/2020 13:28	WG1472873
o-Xylene	ND		1.00	1	05/08/2020 13:28	WG1472873
m&p-Xylene	ND		2.00	1	05/08/2020 13:28	WG1472873
Xylenes, Total	ND		3.00	1	05/08/2020 13:28	WG1472873
Methyl tert-butyl ether	ND		1.00	1	05/08/2020 13:28	WG1472873
Naphthalene	ND		5.00	1	05/08/2020 13:28	WG1472873
(S) Toluene-d8	*113*		*80.0-120*		*05/08/2020 13:28*	WG1472873
(S) 4-Bromofluorobenzene	*89.7*		*77.0-126*		*05/08/2020 13:28*	WG1472873
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*05/08/2020 13:28*	WG1472873

Method Blank (MB)

(MB) R3526058-1 05/07/20 15:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		594	5000

L1215681-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1215681-02 05/07/20 17:59 • (DUP) R3526058-5 05/07/20 18:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	41800	41700	1	0.176		15

L1215723-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1215723-03 05/07/20 23:21 • (DUP) R3526058-7 05/07/20 23:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	72100	71900	1	0.279		15

Laboratory Control Sample (LCS)

(LCS) R3526058-2 05/07/20 15:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39700	99.3	80.0-120	

L1215681-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215681-01 05/07/20 17:05 • (MS) R3526058-3 05/07/20 17:23 • (MSD) R3526058-4 05/07/20 17:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	26700	75200	75200	97.1	97.0	1	80.0-120			0.0186	15

L1215723-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1215723-01 05/07/20 22:45 • (MS) R3526058-6 05/07/20 23:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	54300	99000	89.3	1	80.0-120	

Method Blank (MB)

(MB) R3525999-3 05/07/20 18:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	0.340	J	0.0941	1.00
Ethylbenzene	0.541	J	0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	4.11	J	1.00	5.00
Toluene	0.475	J	0.278	1.00
Xylenes, Total	1.14	J	0.174	3.00
o-Xylene	0.494	J	0.174	1.00
m&p-Xylenes	1.14	J	0.430	2.00
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3525999-1 05/07/20 16:17 • (LCSD) R3525999-2 05/07/20 16:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.42	5.21	108	104	70.0-130			3.95	20
Ethylbenzene	5.00	5.40	5.36	108	107	70.0-130			0.744	20
Methyl tert-butyl ether	5.00	4.78	4.46	95.6	89.2	70.0-130			6.93	20
Naphthalene	5.00	4.21	4.50	84.2	90.0	70.0-130			6.66	20
Toluene	5.00	5.47	5.45	109	109	70.0-130			0.366	20
Xylenes, Total	15.0	17.9	17.7	119	118	70.0-130			1.12	20
o-Xylene	5.00	5.58	5.50	112	110	70.0-130			1.44	20
m&p-Xylenes	10.0	12.3	12.2	123	122	70.0-130			0.816	20
(S) Toluene-d8				*107*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*86.9*	*87.4*	*70.0-130*				

Method Blank (MB)

(MB) R3527053-2 05/08/20 11:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527053-1 05/08/20 10:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.88	97.6	70.0-130	
Ethylbenzene	5.00	5.19	104	70.0-130	
Methyl tert-butyl ether	5.00	4.87	97.4	70.0-130	
Naphthalene	5.00	4.38	87.6	70.0-130	
Toluene	5.00	5.54	111	70.0-130	
Xylenes, Total	15.0	15.5	103	70.0-130	
o-Xylene	5.00	4.75	95.0	70.0-130	
m&p-Xylenes	10.0	10.7	107	70.0-130	
(S) Toluene-d8			*110*	*80.0-120*	
(S) 4-Bromofluorobenzene			*89.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

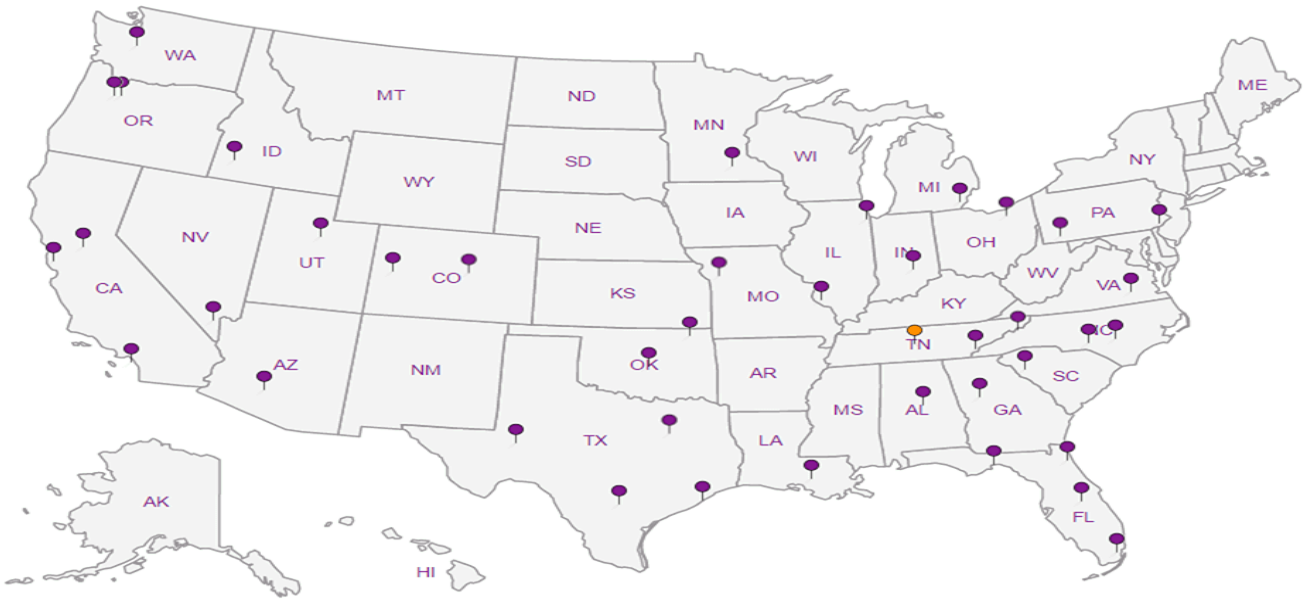
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KmcDom20

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Collin Sutton

Site/Facility ID # Lewis Drive

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	SU Safe -90516								Remarks	Sample # (lab only)
SW10-050420	Grab	SW/GW	-	5.4.20	1105	3	X										-01
SW09-050420		SW/GW	-		1125	3	X										02
SW08-050420		SW/GW	-		1130	3	X										03
SW13-050420		SW/GW	-		1150	3	X	X									04
SW04-050420		SW/GW	-		1350	3	X	X									05
SW02-050420		SW	-		1400	3	X	X									06
SW11-050420			-		1435	3	X										07
SW01-050420			-		1535	3	X	X									08
SW07-050420			-		1545	3	X										09
SW12-050420	Grab	SW	-	5.4.20	1610	3	X	X									10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXNSC = BTEX, MTBE, and Naphthalene.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1790 3022 0511 83

Trip Blank Received: Yes / No (1) HCL / MeoH TBR

Temp: 1.5, 1.6 °C

Bottles Received: 48

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Bethany Garvey	5/5/20	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 5-6-20 Time: 0845

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1215721

D240

Acctnum: KINCH2MGA

Template: T130279

Prelogin: P770847

PM: 526 - Chris McCord

PB: 4-29-2020 GM

Shipped Via: FedEx Ground

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDom26

Lab Project # KINCH2MGA-LEWIS

Collected by (print): Collin Sutton

Site/Facility ID # Lewis Drive

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	Sulfate /9056								Remarks	Sample # (lab only)
SW03-050420	Grab	GW	—	5.4.20	1620	3	X										-11
SW05-050420	|	GW	—	|	1640	3	X	X									12
SW14-050420	|	GW	—	|	1710	3	X	X									13
FB01-050420	|	GW	—	|	1855	3	X										
TB01-050420	Grab	GW	—	5.4.20	—	3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1215721

Table #

Acctnum: KINCH2MGA

Template: T130279

Prelogin: P770847

PM: 526 - Chris McCord

PB: 4-29-2020 GM

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXNSC = BTEX, MTBE, and Naphthalene.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Bethany Garvey	5/5/20	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C Bottles Received: 48	
				1.5t, F-1.16	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-6-20 Time: 0845	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 12, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1225986
Samples Received:	06/05/2020
Project Number:	KMLDOM20 B.CS.GEN.LD
Description:	Lewis Drive Surface Water

Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

SW11-060420 L1225986-01 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 11:25 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 01:42	06/07/20 01:42	JCP	Mt. Juliet, TN

SW10-060420 L1225986-02 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 11:40 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 02:02	06/07/20 02:02	JCP	Mt. Juliet, TN

SW09-060420 L1225986-03 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 11:55 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 02:23	06/07/20 02:23	JCP	Mt. Juliet, TN

SW08-060420 L1225986-04 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 12:05 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 02:43	06/07/20 02:43	JCP	Mt. Juliet, TN

SW13-060420 L1225986-05 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 12:15 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 03:03	06/07/20 03:03	JCP	Mt. Juliet, TN

SW04-060420 L1225986-06 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 12:40 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 03:24	06/07/20 03:24	JCP	Mt. Juliet, TN

SW02-060420 L1225986-07 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 12:45 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 03:44	06/07/20 03:44	JCP	Mt. Juliet, TN

SW01-060420 L1225986-08 GW

Collected by: Melissa Warren | Collected date/time: 06/04/20 13:00 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 04:04	06/07/20 04:04	JCP	Mt. Juliet, TN

SW07-060420 L1225986-09 GW

Collected by: Melissa Warren
Collected date/time: 06/04/20 13:10
Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 04:25	06/07/20 04:25	JCP	Mt. Juliet, TN

SW12-060420 L1225986-10 GW

Collected by: Melissa Warren
Collected date/time: 06/04/20 13:20
Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 04:45	06/07/20 04:45	JCP	Mt. Juliet, TN

SW14-060420 L1225986-11 GW

Collected by: Melissa Warren
Collected date/time: 06/04/20 14:45
Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 05:05	06/07/20 05:05	JCP	Mt. Juliet, TN

SW05-060420 L1225986-12 GW

Collected by: Melissa Warren
Collected date/time: 06/04/20 15:20
Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 05:25	06/07/20 05:25	JCP	Mt. Juliet, TN

TB01-060420 L1225986-13 GW

Collected by: Melissa Warren
Collected date/time: 06/04/20 00:00
Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488364	1	06/07/20 00:41	06/07/20 00:41	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 01:42	WG1488364
Toluene	ND		1.00	1	06/07/2020 01:42	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 01:42	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 01:42	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 01:42	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 01:42	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 01:42	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 01:42	WG1488364
(S) Toluene-d8	*113*		*80.0-120*		*06/07/2020 01:42*	WG1488364
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*06/07/2020 01:42*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 01:42*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 02:02	WG1488364
Toluene	ND		1.00	1	06/07/2020 02:02	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 02:02	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 02:02	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 02:02	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 02:02	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 02:02	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 02:02	WG1488364
(S) Toluene-d8	*113*		*80.0-120*		*06/07/2020 02:02*	WG1488364
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*06/07/2020 02:02*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 02:02*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 02:23	WG1488364
Toluene	ND		1.00	1	06/07/2020 02:23	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 02:23	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 02:23	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 02:23	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 02:23	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 02:23	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 02:23	WG1488364
(S) Toluene-d8	*111*		*80.0-120*		*06/07/2020 02:23*	WG1488364
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*06/07/2020 02:23*	WG1488364
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*06/07/2020 02:23*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 02:43	WG1488364
Toluene	ND		1.00	1	06/07/2020 02:43	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 02:43	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 02:43	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 02:43	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 02:43	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 02:43	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 02:43	WG1488364
(S) Toluene-d8	*112*		*80.0-120*		*06/07/2020 02:43*	WG1488364
(S) 4-Bromofluorobenzene	*99.7*		*77.0-126*		*06/07/2020 02:43*	WG1488364
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/07/2020 02:43*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 03:03	WG1488364
Toluene	ND		1.00	1	06/07/2020 03:03	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 03:03	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 03:03	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 03:03	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 03:03	WG1488364
Methyl tert-butyl ether	1.82		1.00	1	06/07/2020 03:03	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 03:03	WG1488364
(S) Toluene-d8	*112*		*80.0-120*		*06/07/2020 03:03*	WG1488364
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*06/07/2020 03:03*	WG1488364
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/07/2020 03:03*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.79		1.00	1	06/07/2020 03:24	WG1488364
Toluene	ND		1.00	1	06/07/2020 03:24	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 03:24	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 03:24	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 03:24	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 03:24	WG1488364
Methyl tert-butyl ether	1.58		1.00	1	06/07/2020 03:24	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 03:24	WG1488364
(S) Toluene-d8	*111*		*80.0-120*		*06/07/2020 03:24*	WG1488364
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*06/07/2020 03:24*	WG1488364
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*06/07/2020 03:24*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6.49		1.00	1	06/07/2020 03:44	WG1488364
Toluene	ND		1.00	1	06/07/2020 03:44	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 03:44	WG1488364
o-Xylene	1.55		1.00	1	06/07/2020 03:44	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 03:44	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 03:44	WG1488364
Methyl tert-butyl ether	2.22		1.00	1	06/07/2020 03:44	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 03:44	WG1488364
(S) Toluene-d8	*110*		*80.0-120*		*06/07/2020 03:44*	WG1488364
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*06/07/2020 03:44*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 03:44*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 04:04	WG1488364
Toluene	ND		1.00	1	06/07/2020 04:04	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 04:04	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 04:04	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 04:04	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 04:04	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 04:04	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 04:04	WG1488364
(S) Toluene-d8	*111*		*80.0-120*		*06/07/2020 04:04*	WG1488364
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*06/07/2020 04:04*	WG1488364
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*06/07/2020 04:04*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 04:25	WG1488364
Toluene	ND		1.00	1	06/07/2020 04:25	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 04:25	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 04:25	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 04:25	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 04:25	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 04:25	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 04:25	WG1488364
(S) Toluene-d8	*112*		*80.0-120*		*06/07/2020 04:25*	WG1488364
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*06/07/2020 04:25*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 04:25*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 04:45	WG1488364
Toluene	ND		1.00	1	06/07/2020 04:45	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 04:45	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 04:45	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 04:45	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 04:45	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 04:45	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 04:45	WG1488364
(S) Toluene-d8	*110*		*80.0-120*		*06/07/2020 04:45*	WG1488364
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*06/07/2020 04:45*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 04:45*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 05:05	WG1488364
Toluene	ND		1.00	1	06/07/2020 05:05	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 05:05	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 05:05	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 05:05	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 05:05	WG1488364
Methyl tert-butyl ether	1.49		1.00	1	06/07/2020 05:05	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 05:05	WG1488364
(S) Toluene-d8	*111*		*80.0-120*		*06/07/2020 05:05*	WG1488364
(S) 4-Bromofluorobenzene	*99.6*		*77.0-126*		*06/07/2020 05:05*	WG1488364
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/07/2020 05:05*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 05:25	WG1488364
Toluene	ND		1.00	1	06/07/2020 05:25	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 05:25	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 05:25	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 05:25	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 05:25	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 05:25	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 05:25	WG1488364
(S) Toluene-d8	*111*		*80.0-120*		*06/07/2020 05:25*	WG1488364
(S) 4-Bromofluorobenzene	*98.7*		*77.0-126*		*06/07/2020 05:25*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 05:25*	WG1488364

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/07/2020 00:41	WG1488364
Toluene	ND		1.00	1	06/07/2020 00:41	WG1488364
Ethylbenzene	ND		1.00	1	06/07/2020 00:41	WG1488364
o-Xylene	ND		1.00	1	06/07/2020 00:41	WG1488364
m&p-Xylene	ND		2.00	1	06/07/2020 00:41	WG1488364
Total Xylenes	ND		3.00	1	06/07/2020 00:41	WG1488364
Methyl tert-butyl ether	ND		1.00	1	06/07/2020 00:41	WG1488364
Naphthalene	ND		5.00	1	06/07/2020 00:41	WG1488364
(S) Toluene-d8	*107*		*80.0-120*		*06/07/2020 00:41*	WG1488364
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*06/07/2020 00:41*	WG1488364
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/07/2020 00:41*	WG1488364

Method Blank (MB)

(MB) R3536761-2 06/06/20 23:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	0.152	J	0.0941	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3536761-1 06/06/20 22:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.79	95.8	70.0-130	
Ethylbenzene	5.00	5.02	100	70.0-130	
Methyl tert-butyl ether	5.00	5.21	104	70.0-130	
Naphthalene	5.00	4.95	99.0	70.0-130	
Toluene	5.00	4.94	98.8	70.0-130	
Xylenes, Total	15.0	15.8	105	70.0-130	
o-Xylene	5.00	5.26	105	70.0-130	
m&p-Xylenes	10.0	10.5	105	70.0-130	
(S) Toluene-d8			*112*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

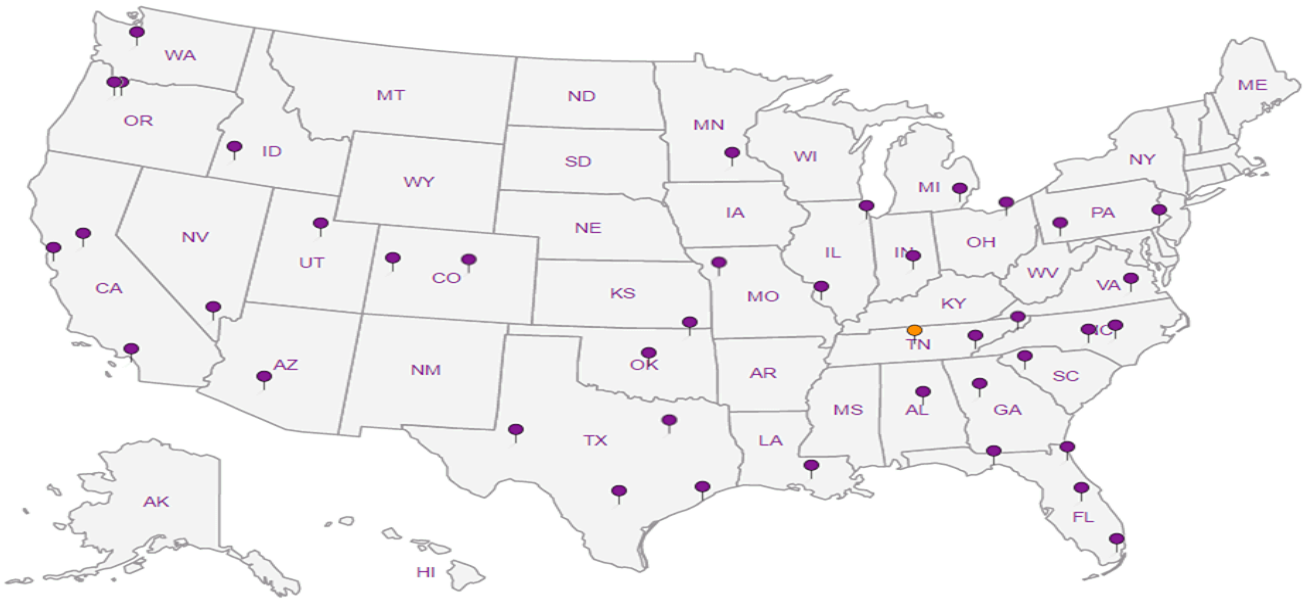
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk: X

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project #: KMLDOM20 B.CS.GEN.LDOMR.SW

Lab Project #: KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID #: LEWIS DRIVE

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #:

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 1225986

H126

Acctnum: KINCH2MGA
Template: T155770
Prelogin: P776494
PM: 526 - Chris McCord
PB: 6/1 - 2020 Gm

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW11-060420	GRAB	GW	NA	06-04-20	1125	3	X		-01
SW10-060420		GW			1140	3	X		02
SW09-060420		GW			1155	3	X		03
SW08-060420		GW			1205	3	X		04
SW13-060420		GW			1215	3	X		05
SW04-060420		GW			1240	3	X		06
SW02-060420		GW			1245	3	X		07
SW01-060420		GW			1300	3	X		08
SW07-060420		GW			1310	3	X		09
SW13-060420		GW			1320	3	X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS X FedEx __ Courier _____

Tracking # 1790 3032 4781

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	06-04-20	1800	
Relinquished by : (Signature)			Received by: (Signature)
Relinquished by : (Signature)			Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.6 °C Bottles Received: 36

Date: 6/5/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDOM20 B.CS.GEN.LDOMR.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl										Remarks	Sample # (lab only)
						Pres Chk	X	X										
SW14 - 060420	GRAB	GW	NA	06-04-20	1445	3	X											11
SW05 - 060420	↓	GW	↓	↓	1520	3	X											12
TB01 - 060420	↓	GW	↓	↓	NO TIME	~~3~~ 1	~~X~~	X										13
		GW				~~1~~	~~X~~	X										
		GW				3	X											

Chain of Custody Page 2 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 1225906

Table #

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P776494

PM: 526 - Chris McCord

PB: 6-1-2020 EM

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: NP	Y N
COC Signed/Accurate:	Y N
Bottles arrive intact:	Y N
Correct bottles used:	Y N
Sufficient volume sent:	Y N
If Applicable	
VOA Zero Headspace:	Y N
Preservation Correct/Checked:	Y N
RAD Screen <0.5 mR/hr:	Y N

Relinquished by : (Signature)	Date: 06-04-20	Time: 1800	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: AC °C Bottles Received: 5.0-1-4.9 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/5/20 Time: 845

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 20, 2020

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1238513
Samples Received:	07/10/2020
Project Number:	KMLD0M20
Description:	Lewis Drive Surface Water

Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

SW-11-070920 L1238513-01 GW

Collected by: Alex F | Collected date/time: 07/09/20 08:50 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 12:51	07/13/20 12:51	ADM	Mt. Juliet, TN

SW-10-070920 L1238513-02 GW

Collected by: Alex F | Collected date/time: 07/09/20 09:00 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 13:11	07/13/20 13:11	ADM	Mt. Juliet, TN

SW-09-070920 L1238513-03 GW

Collected by: Alex F | Collected date/time: 07/09/20 09:15 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 13:31	07/13/20 13:31	ADM	Mt. Juliet, TN

SW-08-070920 L1238513-04 GW

Collected by: Alex F | Collected date/time: 07/09/20 09:25 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 13:51	07/13/20 13:51	ADM	Mt. Juliet, TN

SW-13-070920 L1238513-05 GW

Collected by: Alex F | Collected date/time: 07/09/20 09:40 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 03:47	07/14/20 03:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 14:11	07/13/20 14:11	ADM	Mt. Juliet, TN

SW-04-070920 L1238513-06 GW

Collected by: Alex F | Collected date/time: 07/09/20 10:50 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 04:32	07/14/20 04:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 14:31	07/13/20 14:31	ADM	Mt. Juliet, TN

SW-02-070920 L1238513-07 GW

Collected by: Alex F | Collected date/time: 07/09/20 11:20 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 04:47	07/14/20 04:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508111	1	07/13/20 14:51	07/13/20 14:51	ADM	Mt. Juliet, TN

SW-01-070920 L1238513-08 GW

Collected by: Alex F | Collected date/time: 07/09/20 11:50 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 05:02	07/14/20 05:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1511371	1	07/19/20 03:12	07/19/20 03:12	BMB	Mt. Juliet, TN

SW-07-070920 L1238513-09 GW

Collected by: Alex F | Collected date/time: 07/09/20 12:00 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1511371	1	07/19/20 03:32	07/19/20 03:32	BMB	Mt. Juliet, TN

SW-12-070920 L1238513-10 GW

Collected by: Alex F | Collected date/time: 07/09/20 13:45 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 05:17	07/14/20 05:17	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 15:17	07/13/20 15:17	JCP	Mt. Juliet, TN

SW-03-070920 L1238513-11 GW

Collected by: Alex F | Collected date/time: 07/09/20 14:00 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 15:37	07/13/20 15:37	JCP	Mt. Juliet, TN

SW-05-070920 L1238513-12 GW

Collected by: Alex F | Collected date/time: 07/09/20 14:15 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 05:32	07/14/20 05:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 15:57	07/13/20 15:57	JCP	Mt. Juliet, TN

SW-14-070920 L1238513-13 GW

Collected by: Alex F | Collected date/time: 07/09/20 15:25 | Received date/time: 07/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1507968	1	07/14/20 05:47	07/14/20 05:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1508226	1	07/13/20 16:18	07/13/20 16:18	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 12:51	WG1508111
Toluene	ND		1.00	1	07/13/2020 12:51	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 12:51	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 12:51	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 12:51	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 12:51	WG1508111
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 12:51	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 12:51	WG1508111
(S) Toluene-d8	*112*		*80.0-120*		*07/13/2020 12:51*	WG1508111
(S) 4-Bromofluorobenzene	*111*		*77.0-126*		*07/13/2020 12:51*	WG1508111
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*07/13/2020 12:51*	WG1508111

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 13:11	WG1508111
Toluene	ND		1.00	1	07/13/2020 13:11	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 13:11	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 13:11	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 13:11	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 13:11	WG1508111
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 13:11	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 13:11	WG1508111
(S) Toluene-d8	*108*		*80.0-120*		*07/13/2020 13:11*	WG1508111
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*07/13/2020 13:11*	WG1508111
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*07/13/2020 13:11*	WG1508111

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 13:31	WG1508111
Toluene	ND		1.00	1	07/13/2020 13:31	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 13:31	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 13:31	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 13:31	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 13:31	WG1508111
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 13:31	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 13:31	WG1508111
(S) Toluene-d8	*110*		*80.0-120*		*07/13/2020 13:31*	WG1508111
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*07/13/2020 13:31*	WG1508111
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*07/13/2020 13:31*	WG1508111

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 13:51	WG1508111
Toluene	ND		1.00	1	07/13/2020 13:51	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 13:51	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 13:51	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 13:51	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 13:51	WG1508111
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 13:51	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 13:51	WG1508111
(S) Toluene-d8	*109*		*80.0-120*		*07/13/2020 13:51*	WG1508111
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*07/13/2020 13:51*	WG1508111
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*07/13/2020 13:51*	WG1508111

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	9800		5000	1	07/14/2020 03:47	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 14:11	WG1508111
Toluene	ND		1.00	1	07/13/2020 14:11	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 14:11	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 14:11	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 14:11	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 14:11	WG1508111
Methyl tert-butyl ether	1.89		1.00	1	07/13/2020 14:11	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 14:11	WG1508111
(S) Toluene-d8	*108*		*80.0-120*		*07/13/2020 14:11*	WG1508111
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*07/13/2020 14:11*	WG1508111
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*07/13/2020 14:11*	WG1508111

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	07/14/2020 04:32	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 14:31	WG1508111
Toluene	ND		1.00	1	07/13/2020 14:31	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 14:31	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 14:31	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 14:31	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 14:31	WG1508111
Methyl tert-butyl ether	1.29		1.00	1	07/13/2020 14:31	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 14:31	WG1508111
(S) Toluene-d8	*108*		*80.0-120*		*07/13/2020 14:31*	WG1508111
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*07/13/2020 14:31*	WG1508111
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*07/13/2020 14:31*	WG1508111

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	07/14/2020 04:47	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 14:51	WG1508111
Toluene	ND		1.00	1	07/13/2020 14:51	WG1508111
Ethylbenzene	ND		1.00	1	07/13/2020 14:51	WG1508111
o-Xylene	ND		1.00	1	07/13/2020 14:51	WG1508111
m&p-Xylene	ND		2.00	1	07/13/2020 14:51	WG1508111
Total Xylenes	ND		3.00	1	07/13/2020 14:51	WG1508111
Methyl tert-butyl ether	1.53		1.00	1	07/13/2020 14:51	WG1508111
Naphthalene	ND		5.00	1	07/13/2020 14:51	WG1508111
(S) Toluene-d8	*112*		*80.0-120*		*07/13/2020 14:51*	WG1508111
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*07/13/2020 14:51*	WG1508111
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*07/13/2020 14:51*	WG1508111

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	07/14/2020 05:02	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/19/2020 03:12	WG1511371
Toluene	ND		1.00	1	07/19/2020 03:12	WG1511371
Ethylbenzene	ND		1.00	1	07/19/2020 03:12	WG1511371
o-Xylene	ND		1.00	1	07/19/2020 03:12	WG1511371
m&p-Xylene	ND		2.00	1	07/19/2020 03:12	WG1511371
Total Xylenes	ND		3.00	1	07/19/2020 03:12	WG1511371
Methyl tert-butyl ether	ND		1.00	1	07/19/2020 03:12	WG1511371
Naphthalene	ND		5.00	1	07/19/2020 03:12	WG1511371
(S) Toluene-d8	*95.9*		*80.0-120*		*07/19/2020 03:12*	WG1511371
(S) 4-Bromofluorobenzene	*88.5*		*77.0-126*		*07/19/2020 03:12*	WG1511371
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*07/19/2020 03:12*	WG1511371

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/19/2020 03:32	WG1511371
Toluene	ND		1.00	1	07/19/2020 03:32	WG1511371
Ethylbenzene	ND		1.00	1	07/19/2020 03:32	WG1511371
o-Xylene	ND		1.00	1	07/19/2020 03:32	WG1511371
m&p-Xylene	ND		2.00	1	07/19/2020 03:32	WG1511371
Total Xylenes	ND		3.00	1	07/19/2020 03:32	WG1511371
Methyl tert-butyl ether	ND		1.00	1	07/19/2020 03:32	WG1511371
Naphthalene	ND		5.00	1	07/19/2020 03:32	WG1511371
(S) Toluene-d8	*102*		*80.0-120*		*07/19/2020 03:32*	WG1511371
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*		*07/19/2020 03:32*	WG1511371
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*07/19/2020 03:32*	WG1511371

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	07/14/2020 05:17	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 15:17	WG1508226
Toluene	ND		1.00	1	07/13/2020 15:17	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 15:17	WG1508226
o-Xylene	ND		1.00	1	07/13/2020 15:17	WG1508226
m&p-Xylene	ND		2.00	1	07/13/2020 15:17	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 15:17	WG1508226
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 15:17	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 15:17	WG1508226
(S) Toluene-d8	*103*		*80.0-120*		*07/13/2020 15:17*	WG1508226
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*07/13/2020 15:17*	WG1508226
(S) 1,2-Dichloroethane-d4	*87.1*		*70.0-130*		*07/13/2020 15:17*	WG1508226

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 15:37	WG1508226
Toluene	ND		1.00	1	07/13/2020 15:37	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 15:37	WG1508226
o-Xylene	ND		1.00	1	07/13/2020 15:37	WG1508226
m&p-Xylene	ND		2.00	1	07/13/2020 15:37	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 15:37	WG1508226
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 15:37	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 15:37	WG1508226
(S) Toluene-d8	*103*		*80.0-120*		*07/13/2020 15:37*	WG1508226
(S) 4-Bromofluorobenzene	*93.9*		*77.0-126*		*07/13/2020 15:37*	WG1508226
(S) 1,2-Dichloroethane-d4	*89.9*		*70.0-130*		*07/13/2020 15:37*	WG1508226

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	ND		5000	1	07/14/2020 05:32	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	07/13/2020 15:57	WG1508226
Toluene	ND		1.00	1	07/13/2020 15:57	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 15:57	WG1508226
o-Xylene	ND		1.00	1	07/13/2020 15:57	WG1508226
m&p-Xylene	ND		2.00	1	07/13/2020 15:57	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 15:57	WG1508226
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 15:57	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 15:57	WG1508226
(S) Toluene-d8	*102*		*80.0-120*		*07/13/2020 15:57*	WG1508226
(S) 4-Bromofluorobenzene	*92.3*		*77.0-126*		*07/13/2020 15:57*	WG1508226
(S) 1,2-Dichloroethane-d4	*84.4*		*70.0-130*		*07/13/2020 15:57*	WG1508226

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	13500		5000	1	07/14/2020 05:47	WG1507968

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	07/13/2020 16:18	WG1508226
Toluene	ND		1.00	1	07/13/2020 16:18	WG1508226
Ethylbenzene	ND		1.00	1	07/13/2020 16:18	WG1508226
o-Xylene	ND		1.00	1	07/13/2020 16:18	WG1508226
m&p-Xylene	ND		2.00	1	07/13/2020 16:18	WG1508226
Total Xylenes	ND		3.00	1	07/13/2020 16:18	WG1508226
Methyl tert-butyl ether	ND		1.00	1	07/13/2020 16:18	WG1508226
Naphthalene	ND	J4	5.00	1	07/13/2020 16:18	WG1508226
(S) Toluene-d8	*102*		*80.0-120*		*07/13/2020 16:18*	WG1508226
(S) 4-Bromofluorobenzene	*91.1*		*77.0-126*		*07/13/2020 16:18*	WG1508226
(S) 1,2-Dichloroethane-d4	*90.3*		*70.0-130*		*07/13/2020 16:18*	WG1508226

Method Blank (MB)

(MB) R3549182-1 07/13/20 22:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1238213-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238213-01 07/14/20 02:03 • (DUP) R3549182-3 07/14/20 02:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	935000	958000	10	2.42		15

L1238583-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238583-01 07/14/20 09:31 • (DUP) R3549182-7 07/14/20 09:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	7690	7720	1	0.373		15

Laboratory Control Sample (LCS)

(LCS) R3549182-2 07/13/20 22:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfate	40000	40500	101	80.0-120	

L1238237-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238237-01 07/14/20 02:33 • (MS) R3549182-4 07/14/20 02:48 • (MSD) R3549182-5 07/14/20 03:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	50000	221000	256000	257000	68.7	70.6	1	80.0-120	E V	E V	0.369	15

L1238570-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1238570-01 07/14/20 09:01 • (MS) R3549182-6 07/14/20 09:16

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Sulfate	50000	59800	110000	100	1	80.0-120	E

Method Blank (MB)

(MB) R3550744-2 07/13/20 08:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	0.101	J	0.0941	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550744-1 07/13/20 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.92	98.4	70.0-130	
Ethylbenzene	5.00	4.56	91.2	70.0-130	
Methyl tert-butyl ether	5.00	5.15	103	70.0-130	
Naphthalene	5.00	4.09	81.8	70.0-130	
Toluene	5.00	4.64	92.8	70.0-130	
Xylenes, Total	15.0	14.2	94.7	70.0-130	
o-Xylene	5.00	4.74	94.8	70.0-130	
m&p-Xylenes	10.0	9.44	94.4	70.0-130	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

L1238480-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238480-02 07/13/20 11:51 • (MS) R3550744-3 07/13/20 17:11 • (MSD) R3550744-4 07/13/20 17:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	ND	5.40	5.27	108	105	1	17.0-158			2.44	27
Ethylbenzene	5.00	ND	5.30	5.34	106	107	1	30.0-155			0.752	27
Methyl tert-butyl ether	5.00	ND	5.27	5.27	105	105	1	28.0-150			0.000	29
Naphthalene	5.00	ND	ND	ND	76.0	80.2	1	12.0-156			5.38	35
Toluene	5.00	ND	5.23	5.21	105	104	1	26.0-154			0.383	28

L1238480-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238480-02 07/13/20 11:51 • (MS) R3550744-3 07/13/20 17:11 • (MSD) R3550744-4 07/13/20 17:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
o-Xylene	5.00	ND	5.34	5.29	107	106	1	45.0-144			0.941	26
Xylenes, Total	15.0	ND	16.1	16.1	107	107	1	29.0-154			0.000	28
m&p-Xylenes	10.0	ND	10.8	10.8	108	108	1	43.0-146			0.000	26
(S) Toluene-d8					*108*	*105*		*80.0-120*				
(S) 4-Bromofluorobenzene					*110*	*107*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*108*	*107*		*70.0-130*				

Method Blank (MB)

(MB) R3549813-2 07/13/20 11:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3549813-1 07/13/20 08:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-130	
Ethylbenzene	5.00	5.35	107	70.0-130	
Methyl tert-butyl ether	5.00	4.98	99.6	70.0-130	
Naphthalene	5.00	6.68	134	70.0-130	J4
Toluene	5.00	5.20	104	70.0-130	
Xylenes, Total	15.0	14.9	99.3	70.0-130	
o-Xylene	5.00	4.98	99.6	70.0-130	
m&p-Xylene	10.0	9.90	99.0	70.0-130	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*89.5*	*70.0-130*	

Method Blank (MB)

(MB) R3550815-2 07/18/20 23:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550815-1 07/18/20 23:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-130	
Ethylbenzene	5.00	4.41	88.2	70.0-130	
Methyl tert-butyl ether	5.00	4.76	95.2	70.0-130	
Naphthalene	5.00	5.56	111	70.0-130	
Toluene	5.00	4.43	88.6	70.0-130	
Xylenes, Total	15.0	13.0	86.7	70.0-130	
o-Xylene	5.00	4.39	87.8	70.0-130	
m&p-Xylenes	10.0	8.63	86.3	70.0-130	
(S) Toluene-d8			*96.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*92.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

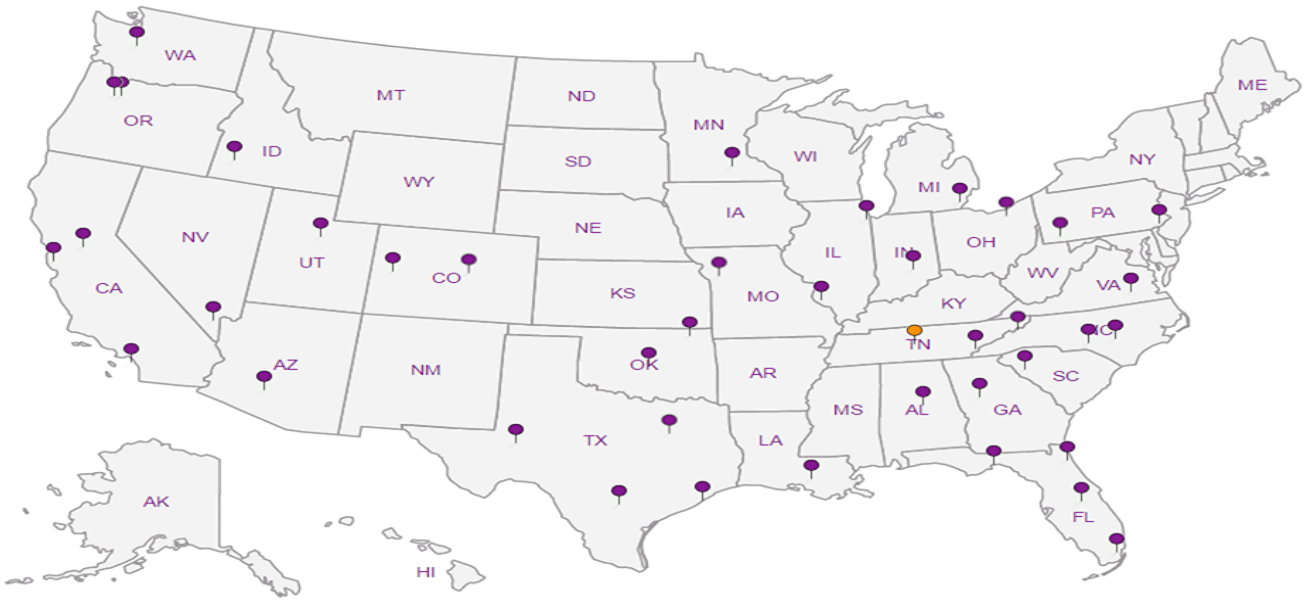
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Kinder Morgan- Atlanta, GA Ten 10th Street NW Suite 1400 Atlanta, GA 30309	Billing Information: Accounts Payable 1000 Windward Concourse Ste 450 Alpharetta, GA 30005	Pres Chk
Report to: Bethany Garvey	Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs	
Project Description: Lewis Drive Groundwater	City/State Collected: Belton, SC	Please Circle: PT MT CT ET
Phone: 770-604-9182	Client Project # KMLDOW20	Lab Project # KINCH2MGA-LEWIS12
Collected by (print): Alex Furness	Site/Facility ID #	P.O. #
Collected by (signature): [signature] Immediately Packed on Ice N ___ Y X	*Rush?* (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1238513

J067

Acctnum: KINCH2MGA
Template: T162658
Prelogin: P784098
PM: 526 - Chris McCord
PB: 7-1-2020 Gm
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
Pres Chk							✓	✓			
SW-11-070920	Grab	~~GW~~ SW	0	7/9/20	0850	3		X			-01
SW-10-070920	↓	~~GW~~ SW	0	↓	0900	3		X			-02
SW-09-070920		~~GW~~ SW	0		0915	3		X			-03
SW-08-070920		~~GW~~ SW	0		0925	3		X			-04
SW-13-070920		~~GW~~ SW	0		0940	4	X	X			-05
SW-04-070920		~~GW~~ SW	0		1050	4	X	X			-06
SW-02-070920		~~GW~~ SW	0		1120	4	X	X			-07
SW-01-070920		~~GW~~ SW	0		1150	4	X	X			-08
SW-07-070920		~~GW~~ SW	0		1200	3		X			-09
SW-12-070920	↓	~~GW~~ SW	0	✓	1345	4	X	X			-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA.
surface water

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking # 1922 0803 9434

Sample Receipt Checklist
COC Seal Present/Intact: __NP _Y_ N
COC Signed/Accurate: _Y_ N
Bottles arrive intact: _Y_ N
Correct bottles used: _Y_ N
Sufficient volume sent: _Y_ N
If Applicable
VOA Zero Headspace: _Y_ N
Preservation Correct/Checked: _Y_ N
RAD Screen <0.5 mR/hr: _Y_ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	7/9/20	1400			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: AR °C 9.8±0=9.8	Bottles Received: 35 46	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 7/10/20	Time: 8:30	Hold:	Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Report to: Bethany Garvey

Email To: bethany.garvey@jacobs.com;tom.wiley@jacobs

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182

Client Project # KMLDOM20

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Alex Furness

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
SW-03-070920	Grab	~~GW~~ SW	0	7/9/20	1400	3		X			-11
SW-05-070920	↓	~~GW~~ SW	0	↓	1415	4	X	X			-12
SW-14-070920	↓	~~GW~~ SW	0	↓	1525	4	X	X			-13
		GW									
		GW									
		GW									
		GW									
		GW									
		GW									
		GW									

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1288513

J068

Acctnum: KINCH2MGA
Template: T162658
Prelogin: P784098
PM: 526 - Chris McCord
PB: 7-1-2020

Shipped Via: FedEX Ground

Immediately Packed on Ice N ___ Y X

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA.
Surface water

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1922 0803 9434

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/9/20	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.8+0=4.8 °C AM
Bottles Received: 46

Date: 7/10/20 Time: 8:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-186175-1
Client Project/Site: KM Lewis Drive Surface Water

For:
Jacobs Engineering Group, Inc.
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, Georgia 30328

Attn: Bethany Garvey

Bethany McDaniel

Authorized for release by:
7/20/2020 9:50:40 AM

Bethany McDaniel, Senior Project Manager
(713)358-2005
Bethany.McDaniel@Eurofinset.com

Definitions/Glossary

Client: Jacobs Engineering Group, Inc.
Project/Site: KM Lewis Drive Surface Water

Job ID: 680-186175-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: KM Lewis Drive Surface Water

Job ID: 680-186175-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-186175-1	SW-08-070920	Water	07/09/20 09:25	07/10/20 09:50	
680-186175-2	SW-02-070920	Water	07/09/20 11:20	07/10/20 09:50	
680-186175-3	SW-12-070920	Water	07/09/20 13:45	07/10/20 09:50	
680-186175-4	TRIP BLANK	Water	07/09/20 00:00	07/10/20 09:50	

Job ID: 680-186175-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative
680-186175-1

Comments
No additional comments.

Receipt
The samples were received on 7/10/2020 9:50 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-626489.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-626700.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: SW-08-070920

Lab Sample ID: 680-186175-1

Date Collected: 07/09/20 09:25

Matrix: Water

Date Received: 07/10/20 09:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/17/20 15:56	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/17/20 15:56	1
Methyl tert-butyl ether	**0.49**	**J**	10	0.30	ug/L			07/17/20 15:56	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/17/20 15:56	1
Toluene	<1.0		1.0	0.48	ug/L			07/17/20 15:56	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/17/20 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/17/20 15:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 131*		*07/17/20 15:56*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 122*		*07/17/20 15:56*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/17/20 15:56*	*1*

Client Sample ID: SW-02-070920

Lab Sample ID: 680-186175-2

Date Collected: 07/09/20 11:20

Matrix: Water

Date Received: 07/10/20 09:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/17/20 16:21	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/17/20 16:21	1
Methyl tert-butyl ether	**0.87**	**J**	10	0.30	ug/L			07/17/20 16:21	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/17/20 16:21	1
Toluene	<1.0		1.0	0.48	ug/L			07/17/20 16:21	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/17/20 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/17/20 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 131*		*07/17/20 16:21*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 122*		*07/17/20 16:21*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*07/17/20 16:21*	*1*

Client Sample ID: SW-12-070920

Lab Sample ID: 680-186175-3

Date Collected: 07/09/20 13:45

Matrix: Water

Date Received: 07/10/20 09:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/16/20 14:44	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/16/20 14:44	1
Methyl tert-butyl ether	<10		10	0.30	ug/L			07/16/20 14:44	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/16/20 14:44	1
Toluene	<1.0		1.0	0.48	ug/L			07/16/20 14:44	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/16/20 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/16/20 14:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 131*		*07/16/20 14:44*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 122*		*07/16/20 14:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/16/20 14:44*	*1*

Client: Jacobs Engineering Group, Inc.
Job ID: 680-186175-1
Project/Site: KM Lewis Drive Surface Water

Client Sample ID: TRIP BLANK
Lab Sample ID: 680-186175-4
Date Collected: 07/09/20 00:00
Matrix: Water
Date Received: 07/10/20 09:50

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/16/20 14:20	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/16/20 14:20	1
Methyl tert-butyl ether	<10		10	0.30	ug/L			07/16/20 14:20	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/16/20 14:20	1
Toluene	<1.0		1.0	0.48	ug/L			07/16/20 14:20	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/16/20 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/16/20 14:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 131*		*07/16/20 14:20*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 122*		*07/16/20 14:20*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/16/20 14:20*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 680-626489/7
Matrix: Water
Analysis Batch: 626489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/16/20 12:44	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/16/20 12:44	1
Methyl tert-butyl ether	<10		10	0.30	ug/L			07/16/20 12:44	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/16/20 12:44	1
Toluene	<1.0		1.0	0.48	ug/L			07/16/20 12:44	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/16/20 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/20 12:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 131*		*07/16/20 12:44*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 122*		*07/16/20 12:44*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*07/16/20 12:44*	*1*

Lab Sample ID: LCS 680-626489/4
Matrix: Water
Analysis Batch: 626489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	53.7		ug/L		107	80 - 120		
Ethylbenzene			50.0	53.4		ug/L		107	80 - 120		
Methyl tert-butyl ether			50.0	51.5		ug/L		103	80 - 120		
m-Xylene & p-Xylene			50.0	54.0		ug/L		108	80 - 120		
Naphthalene			50.0	53.6		ug/L		107	59 - 140		
o-Xylene			50.0	54.4		ug/L		109	80 - 120		
Toluene			50.0	54.1		ug/L		108	80 - 113		
Xylenes, Total			100	108		ug/L		108	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 131*
Dibromofluoromethane (Surr)	*115*		*80 - 122*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 680-626489/5
Matrix: Water
Analysis Batch: 626489

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	54.9		ug/L		110	80 - 120	2	20
Ethylbenzene			50.0	54.4		ug/L		109	80 - 120	2	20
Methyl tert-butyl ether			50.0	55.4		ug/L		111	80 - 120	7	20
m-Xylene & p-Xylene			50.0	55.7		ug/L		111	80 - 120	3	20
Naphthalene			50.0	57.7		ug/L		115	59 - 140	7	20
o-Xylene			50.0	56.3		ug/L		113	80 - 120	3	30
Toluene			50.0	55.9		ug/L		112	80 - 113	3	20
Xylenes, Total			100	112		ug/L		112	80 - 120	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 680-626489/5
Matrix: Water
Analysis Batch: 626489

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*111*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 131*
Dibromofluoromethane (Surr)	*121*		*80 - 122*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 680-626700/9
Matrix: Water
Analysis Batch: 626700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.43	ug/L			07/17/20 14:43	1
Ethylbenzene	<1.0		1.0	0.33	ug/L			07/17/20 14:43	1
Methyl tert-butyl ether	<10		10	0.30	ug/L			07/17/20 14:43	1
Naphthalene	<5.0		5.0	2.5	ug/L			07/17/20 14:43	1
Toluene	<1.0		1.0	0.48	ug/L			07/17/20 14:43	1
Xylenes, Total	<1.0		1.0	0.23	ug/L			07/17/20 14:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/17/20 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 131*		*07/17/20 14:43*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 122*		*07/17/20 14:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*07/17/20 14:43*	*1*

Lab Sample ID: LCS 680-626700/4
Matrix: Water
Analysis Batch: 626700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	52.7		ug/L		105	80 - 120
Ethylbenzene	50.0	53.1		ug/L		106	80 - 120
Methyl tert-butyl ether	50.0	53.2		ug/L		106	80 - 120
m-Xylene & p-Xylene	50.0	54.5		ug/L		109	80 - 120
Naphthalene	50.0	52.5		ug/L		105	59 - 140
o-Xylene	50.0	54.1		ug/L		108	80 - 120
Toluene	50.0	53.8		ug/L		108	80 - 113
Xylenes, Total	100	109		ug/L		109	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 131*
Dibromofluoromethane (Surr)	*113*		*80 - 122*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 680-626700/5
Matrix: Water
Analysis Batch: 626700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	51.1		ug/L		102	80 - 120	3	20
Ethylbenzene			50.0	51.7		ug/L		103	80 - 120	3	20
Methyl tert-butyl ether			50.0	51.3		ug/L		103	80 - 120	4	20
m-Xylene & p-Xylene			50.0	53.1		ug/L		106	80 - 120	3	20
Naphthalene			50.0	54.0		ug/L		108	59 - 140	3	20
o-Xylene			50.0	53.6		ug/L		107	80 - 120	1	30
Toluene			50.0	52.3		ug/L		105	80 - 113	3	20
Xylenes, Total			100	107		ug/L		107	80 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 131*
Dibromofluoromethane (Surr)	*112*		*80 - 122*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*

QC Association Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: KM Lewis Drive Surface Water

Job ID: 680-186175-1

GC/MS VOA

Analysis Batch: 626489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-186175-3	SW-12-070920	Total/NA	Water	8260D	
680-186175-4	TRIP BLANK	Total/NA	Water	8260D	
MB 680-626489/7	Method Blank	Total/NA	Water	8260D	
LCS 680-626489/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-626489/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 626700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-186175-1	SW-08-070920	Total/NA	Water	8260D	
680-186175-2	SW-02-070920	Total/NA	Water	8260D	
MB 680-626700/9	Method Blank	Total/NA	Water	8260D	
LCS 680-626700/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-626700/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Jacobs Engineering Group, Inc.
Project/Site: KM Lewis Drive Surface Water

Job ID: 680-186175-1

Client Sample ID: SW-08-070920

Lab Sample ID: 680-186175-1

Date Collected: 07/09/20 09:25

Matrix: Water

Date Received: 07/10/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626700	07/17/20 15:56	Y1S	TAL SAV
	Instrument ID: CMSAA									

Client Sample ID: SW-02-070920

Lab Sample ID: 680-186175-2

Date Collected: 07/09/20 11:20

Matrix: Water

Date Received: 07/10/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626700	07/17/20 16:21	Y1S	TAL SAV
	Instrument ID: CMSAA									

Client Sample ID: SW-12-070920

Lab Sample ID: 680-186175-3

Date Collected: 07/09/20 13:45

Matrix: Water

Date Received: 07/10/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626489	07/16/20 14:44	Y1S	TAL SAV
	Instrument ID: CMSAA									

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-186175-4

Date Collected: 07/09/20 00:00

Matrix: Water

Date Received: 07/10/20 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626489	07/16/20 14:20	Y1S	TAL SAV
	Instrument ID: CMSAA									

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Jacobs Engineering Group, Inc.
Job ID: 680-186175-1
Project/Site: KM Lewis Drive Surface Water

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Tennessee	State	02961	06-30-21

Method Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: KM Lewis Drive Surface Water

Job ID: 680-186175-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Alex Furnas	Lab PM: McDaniel, Bethany A	Carrier Tracking No(s):	COC No: 400-95144-34485.1
Client Contact: Bethany Garvey	Phone:	E-Mail: bethany.mcdaniel@testamericainc.com		Page: Page 1 of 1
Company: Jacobs Engineering Group, Inc.		Analysis Requested		Job #:
Address: 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600	Due Date Requested:			Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: GA, 30328				
Phone: 678-530-4124(Tel)	PO #: KMST CT#3/699804.18.GW			
Email: bethany.garvey@jacobs.com	WO #: D3161400			
Project Name: KM Lewis Drive Surface Water	Project #: 40009725			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - (MOD) BTEX + MTBE + Naphthalene	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SW-08-070920	7/9/20	0925		Water			X	3	
SW-02-070920	↓	1120		Water			X	3	
SW-12-070920	↓	1345		Water			X	3	
				Water					
				Water					

680-186175 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	7/9/20 1800		[signature]	7-10-2020/0950	SA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.5 / 1.9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Jacobs Engineering Group, Inc.

Job Number: 680-186175-1

Login Number: 186175

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Mooken, Darmal

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment E
Soil Boring Logs and Well Completion Diagrams

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Plantation Pipeline (last) (first)
Address: 1000 Winward Concourse, Suite 450
City: Alpharetta State: Ga. Zip: 30005-000
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Anderson
Name:
Street Address: Lewis Drive
City: Belton Zip: 29627-0000
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-38B

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
HQ Rock core 20-33 open hole

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: MW-12274

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 33 ft. Date Started: 4-9-2020 Date Completed: 4-14-2020

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☐ PVC ☐ Galvanized ☑ Steel ☐ Other
0 in. to 20 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 2.5 ft.
Weight SCH 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☑ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 20 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Jonathan Arrington **CERT. NO.:**
Address: (Print)
30 Grant Park Place
Piedmont, SC 29673
Level: A B ✓ C D (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Jon Arrington Well Driller Date: 4-17-2020

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Plantation Pipeline (last) (first)
Address: 1000 Winward Concourse, Suite 450
City: Alpharetta State: Ga. Zip: 30005-000
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Anderson
Name:
Street Address: Lewis Drive
City: Belton Zip: 29627-0000
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-60

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from ____ ft. to ____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS: Bentonite seal 3-2'		

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: MW-12274

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 4-7-2020
13 ft. Date Completed: 4-8-2020

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 3 ft. depth
____ in. to ____ ft. depth
Height: Above/Below
Surface 2.5 ft.
Weight SCH 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010" Length: 10'
Set Between: 13 ft. and 3 ft.
____ ft. and ____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL ____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
____ ft. after ____ hrs. Pumping ____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: ____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 2 ft.
Effective size ____ Uniformity Coefficient ____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ____
Depth: From 1 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type ____
Well Disinfected ☐ Yes ☑ No Type: ____ Amount: ____

18. PUMP: Date installed: ____ Not installed ☑
Mfr. Name: ____ Model No.: ____
H.P. ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Marcello Gonzales **CERT. NO.:**
Address: (Print) 30 Grant Park Place Piedmont, SC 29673
Level: A B C D ✓ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Marcello Gonzal (Well Driller) Date: 4-17-2020

If D Level Driller, provide supervising driller's name:
Randy Phillips 1096-A

DHEC 1903 (08/2017) **COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER**

JACOBS
6600 Peachtree Dunwoody Rd
400 Embassy Row, Suite 600
Atlanta, GA

Telephone: 770-604-9095
Fax: 770-604-9183

WELL NUMBER MW-38B

CLIENT Plantation Pipe Line Company
PROJECT NAME Lewis Drive Remediation
PROJECT NUMBER 684910
PROJECT LOCATION Belton, South Carolina
DATE STARTED 4/8/20 **COMPLETED** 4/14/20
GROUND ELEVATION 813.23 ft **HOLE SIZE** 8/4 inches
DRILLING CONTRACTOR Innovation Environmental Technologies
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger/Wire Line/Air Rotary
AT TIME OF DRILLING ---
LOGGED BY M. Tekle **CHECKED BY**
AT END OF DRILLING ---
NOTES Core logged wet.
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0		CL		(CL) Sandy Clay (CL), brown, moist, soft, medium plasticity, clay with silt and sand, wet at 1.5'bgs.	PID = 0	
					PID = 0	
4.0					809.2	
5		SM		(SM) WEATHERED ROCK with SAPROLITE, SILTY SAND; variegated color (white, yellow, black), wet, dense to medium dense, visible grain and remnant rock structure, fine to medium sand with silt	PID = 0	
7.0					806.2	
		GP-GM		(GP-GM) WEATHERED ROCK with FEW SAPROLITE LAYERS, Gravel with Silt; variegated color (white, yellow, black), wet, very dense, weathered bedrock gravel with silt	PID = 0	
10					PID = 0	4" Steel Casing
					PID = 0	Portland I/II with 3-5% Bentonite
15					PID = 0	
18.0					795.2	
				GNEISS, moderately weathered, foliated, pale, medium, shale and sand, hard, very wide fracture spacing, wet, iron oxide staining, Layer RQD = 0%	PID = 0	
20					PID = 0	
22.8					790.4	
				No Recovery		
24.0					789.2	
25				GNEISS, moderately weathered, foliated, pale grayish orange, medium, quartz and mica, hard, medium fracture spacing, iron oxide staining,	PID = 0	
25.0					788.2	

(Continued Next Page)

JACOBS
6600 Peachtree Dunwoody Rd
400 Embassy Row, Suite 600
Atlanta, GA

Telephone: 770-604-9095
Fax: 770-604-9183

WELL NUMBER MW-38B

CLIENT Plantation Pipe Line Company **PROJECT NAME** Lewis Drive Remediation

PROJECT NUMBER 684910 **PROJECT LOCATION** Belton, South Carolina

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
25				Layer RQD = 79% 24.1' - Joint, 25 degree, undulating, smooth 24.6' - Joint, 5 degree, planner, smooth, iron oxide stain		
				GNEISS, moderately weathered, foliated, pale grayish pink, medium crystalline, quartz, mica, feldspare, medium hard, medium fracture spacing, iron oxide staining, Layer RQD = 64%	PID = 0	Open Borehole
				28.0 785.2 25.2', 25.7, 26.1' - Joint, 10 - 30 degrees, stepped, smooth, iron oxide stain 26.5' - Joint, 25 degrees, undulating, no fillings or staining, smooth, tight		
30				GNEISS, unweathered, foliated, light grayish, coarse, quartz, mica, feldspare, hard, close fracture spacing, no staining, Layer RQD = 100%	PID = 0	
				31.4' - Joint, 20 degrees, undulating, rough, no staining		
				33.4 779.8 32.8' - Joint, 5 degrees, stepped, rough, no staining	PID = 0	

Bottom of borehole at 33.4 feet.

JACOBS
6600 Peachtree Dunwoody Rd
400 Embassy Row, Suite 600
Atlanta, GA

Telephone: 770-604-9095
Fax: 770-604-9183

WELL NUMBER MW-60

CLIENT Plantation Pipe Line Company
PROJECT NAME Lewis Drive Remediation
PROJECT NUMBER 684910
PROJECT LOCATION Belton, South Carolina
DATE STARTED 4/7/20 **COMPLETED** 4/7/20
GROUND ELEVATION _____ **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Innovation Environmental Technologies
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 0.69 ft feet bgs
LOGGED BY M. Tekle **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0	HA 1	100	Shallow water level	SM		▽ (SM) Silty Sand (SM), gray, wet, v.loose, fine sand with silt, wet at 0.5'bgs.	PID = 0	Portland I/II with 3-5% Bentonite
5	SPT 1	100					PID = 0	3/8" Bentonite Chips
	SPT 2	100				6.0 (CL) Sandy Clay (CL), gray, wet, medium stiff, medium placticity, clay with fine sand.	PID = 0	
10	SPT 3	100		CL			PID = 0	GP#1 Sand
	SPT 4	100		ML		10.0 (ML) Saprolite - Silt (ML), yellowish gray, wet, soft, silt with v.fine sand and a lot of mica (40%), nonplastic, no visible soil structure.	PID = 0	0.010 Slot, 2" Sch40 PVC
						13.0 Bottom of borehole at 13.0 feet.	PID = 0	Flat bottom cap

Attachment F
Remediation-Derived Waste Documentation

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
			9003-0468-1

GENERATOR

5. Generator's Name and Mailing Address

Generator's Phone: —

Generator's Site Address (if different than mailing address)
Kinder Morgan - Plantation Pipe Line
113 Lewis Dr
Belton, SC

6. Transporter 1 Company Name: ~~AID Environmental Services(NC)LLC~~ U.S. EPA ID Number

7. Transporter 2 Company Name: U.S. EPA ID Number

8. Designated Facility Name and Site Address: AID Environmental Services(NC)LLC
2712 Lakeside Rd
Richdale, NC
U.S. EPA ID Number: NCD986239231

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON Haz. NON Reg Material PCW	1	TT	1800	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Profile # NC2019102B

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month: 4 Day: 13 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] Signature: [signature] Month: 04 Day: 13 Year: 2021

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Signature: Month: Day: Year:

Special Waste Profile

REPUBLIC SERVICES

Disposal Facility: 3115 Union County Landfill SC

Waste Profile #:

Sales Rep #:

I. Generator Information

Generator Name: Plantation Pipe Line

Generator Site Address: 112 Lewis Dr.

City: Belton County: Anderson State: South Carolina Zip: 29627

State ID/Reg No: State Approval/Waste Code: NAICS #:

Generator Mailing Address ☐ (if different)

City: County: State: --Select State-- Zip:

Generator Contact Name: Johnny Tapia Email: johnny_tapia@kindermorgan.com

Phone Number: 704-399-6327 Ext: Fax Number:

II. Billing Information

Bill To: A&D Environmental Services Contact Name: Susie Bennett

Billing Address: PO Box 484 Email: sbennett@adenviro.com

City: High Point State: North Carolina Zip: 27261 Phone: 336-434-7752

III. Waste Stream Information

Name of Waste: Soil Cuttings

Process Generating Waste: Excavation of soil during assessment of virgin unleaded gasoline release from underground pipeline

Type of Waste: --Select Waste Type-- Physical State: Solid Method of Shipment: Bulk

Estimated Volume: 60 Volume Type: Cubic Yards

Frequency: --Select Frequency-- Disposal Consideration: --Select Disposal Consideration--

IV. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Composite and Grab

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ **Yes** ☐ **No**

Sample Date: 8/13/18

Sample ID Numbers or SDS: SO-081318

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Special Waste Profile

REPUBLIC SERVICES

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%:)	% By Weight (out of 100% - ranges acceptable):
1. Soil	>85%
2. Water	<15%
3.	
4.	
5.	

Color:	Odor (describe):	Does Waste Contain Free Liquids?	% Solids:	pH:	Flash Point:
Brown	None	☐ Yes ☑ No	>85%	5-8	NA °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

1. Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes ☑ No
2. Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	☐ Yes ☑ No
3. Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes ☑ No
4. Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes ☑ No
5. Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register.	☐ Yes ☑ No
6. Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?	☐ Yes ☑ No
7. Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes ☑ No
8. Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
9. Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
10. Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.	☐ Yes ☑ No

Republic Services Waste Handling Questions

1. Does this waste generate heat or react when contacted with water/moisture?	☐ Yes ☑ No
2. Does the waste contain sulfur or sulfur by-products?	☐ Yes ☑ No
3. Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA?	☐ Yes ☑ No
4a. Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)?	☐ Yes ☑ No

4b. If yes to the above question, please provide clarification.

Special Waste Profile

REPUBLIC SERVICES

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Jonnny Tapia	Senior EHS Sepcialist	Plantation Pipe Line
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature		4/27/20
		Date

Special Waste Profile - Recertification

REPUBLIC SERVICES

Disposal Facility: 3115 Union County Landfill SC

Waste Profile #:

Sales Rep #:

I. Generator Information

Generator Name: Plantation Pipe Line

Generator Site Address: 112 Lewis Dr.

City: Belton County: State: South Carolina Zip: 29627

State ID/Reg No: State Approval/Waste Code: NAICS:

Generator Mailing Address ☐ (if different)

City: County: State: --Select State-- Zip:

Generator Contact Name: Johnny Tapia Email: johnny_tapia@kindermorgan.com

Phone Number: 704-399-6327 Ext: Fax Number:

II. Waste Stream Information

Name of Waste: Soil

Check Section 1 or 2 below

1. ☐ ***There has been a change*** in the characteristics of the waste stream due to the following:
   a. Change of a raw material used in the waste generating process.
   b. Change in the waste generating process itself.
   c. Change in a physical characteristic of the waste.
   d. New information has been documented concerning the human health effects of exposure to the waste.

   If any of these changes have occurred, a new profile sheet must be completed, and new analysis and/or SDS must be provided as appropriate.

2. ☑ ***There have been no changes*** that would alter the physical characteristics of the special waste stream. Updated analytical may be required.

III. Representative Sample Certification

☑ **No Sample Taken**

☐ **Sample Taken** **Type of Sample** --Select Sample Type--

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☐ **Yes** ☐ **No**

Sample Date:

Sample ID Numbers:

Special Waste Profile - Recertification

REPUBLIC SERVICES

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original."

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Johnny Tapia	EHS Specialist	Kinder Morgan
Authorized Representative Name (Printed)	Title (Printed)	Company Name

	4/28/20
Authorized Representative Signature	Date

Special Waste Profile - Change

REPUBLIC SERVICES

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile

Generator Name: Plantation Pipe Line

Name of Waste: Soil

Waste Profile #:

II. Purpose of Change

Description of change requested and reason for change
(provide detailed explanation of why the change is requested following the appropriate checked circle below).

Previous Job not completed.

☐ Volume Increase By:

Is the analysis originally submitted with the Profile representative of the volume increase? ☑ Yes ☐ No ***If no, complete Section III below***

☑ Extend Expiration Date:

☐ Change or Add Landfill:

☐ Add Additional Laboratory Reports: ***Complete Representative Sample Certification; Section III below***

☐ Add MSDS:

☐ Generator Name Change:

☐ Other:

III. Representative Sample Certification

☑ **No Sample Taken**

☐ **Sample Taken** **Type of Sample** --Select Sample Type--

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☐ **Yes** ☐ **No**

Sample Date:

Sample ID Numbers:

Special Waste Profile - Change

REPUBLIC SERVICES

IV. Certification

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Johnny Tapia	EHS Specialist	Kinder Morgan
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature		4/28/20
		Date

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

2003-0468

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1

d. Generator's Name and Location:	e. Generator's Mailing Address:
PLANTATION PIPE LINE 112 LEWIS DR BELTON, SC f. Phone:336-434-7752	A&D ENVIRONMENTAL SERVICES PO BOX 484 HIGH POINT, NC 27261 g. Phone:336-434-7752
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31151814500	4/27/2021	SOIL	1	CM	1	T
		CUSTOMER# 423				

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
On Behalf of Melissa Warren	On Behalf of Melissa Warren	5-5-2020

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: A&D Environmental Services SC AD 870 Box 7

b. Phone: 803-975-9175

c. Driver Name (Print)	d. Signature	e. Date
Doug Johnson	Doug Johnson	05-5-2020

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Union County Regional MSW Landfill 868 Wildcat Road Enoree, SC 29335 b. Phone: 864-969-4460		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

UPSTATE REGIONAL MSW LANDFILL 864-527-5311
868 Wildcat Road Enoree, SC 29335

CUSTOMER

000423
A&D ENVIRONMENTAL
PO Box 484
HIGH POINT, NC 27261
Contract:31151814500
Generator:Plantation Pipe Line

SITE	TICKET #	CELL
01	1201957	

WEIGHMASTER: Melanie B.

DATE/TIME IN	DATE/TIME OUT
5/5/20 10:34 am	5/5/20 10:34 am

VEHICLE: A&D558622
CONTAINER:
REFERENCE: Plantation Pipe Line
BILL OF LADING:

SCALE IN GROSS WEIGHT 42,980 NET TONS 0.44 INBOUND
MANUAL OUT TARE WEIGHT 42,100 NET WEIGHT 880 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
0.44	tn	SW-CONT SOIL Origin:ANDERSON CO SC 100%				
1.00		ENVIRONMENTAL FEE 1				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE Dawn Johnson

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
VSQG	1	803-957-9175	20060152-01

GENERATOR

5. Generator's Name and Mailing Address: Kinder Morgan - Plantation Pipeline, 112 Lewis Drive, Belton, SC 29627
Generator's Site Address (if different than mailing address)
Generator's Phone: 336-604-0824

6. Transporter 1 Company Name: A&D ENVIRONMENTAL SERVICES (SC), LLC — U.S. EPA ID Number: SCD987598331

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: A&D Environmental Services, Inc., 2718 Uwharrie Rd., Archdale, NC 27263 — U.S. EPA ID Number: NCD988232221
Facility's Phone: 336-434-7750

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON-HAZARDOUS\ NON-DOT REGULATED LIQUID (NC20190213)	001	TT	2200	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
PROJECT #2005-0152
PROFILE# NC20190213

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Phillip Lucas — Signature — Month 5 Day 21 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

TRANSPORTER

Transporter Signature (for exports only): Month Day Year

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Phillip Lucas — Signature — Month 5 Day 21 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

A&D Environmental Services, Inc.

2718 Uwharrie Rd., Archdale, NC 27263
336-434-7750 FAX: 336-434-7752

Reserved for Facility Use Approval Date: 5/24/2019 By: S. Kaiser Expiration Date: 1 yr from Approval Date

☐ Solidification ☑ Recovery **Profile Number:** NC20190213

A. Billing Information

Company: Jacobs Account #:
Address: 6600 Peachtree Dunwoody Rd
City/State: Atlanta, GA Zip: 30328 Contact:
Phone: 770-604-9182 Fax:

B. Generator Information/Location of Waste

Generator Name: Kinder Morgan Site Contact: Johnny Tapia
Address: 112 Lewis Drive
City/State: Belton, SC Zip: 29627
Contact Phone: (704) 249-9936 EPD ID:
Type of Business: Underground Pipe Line Facility SIC Code:

C. Waste Description

Common Name of Waste: Petroleum Contact Water
Process Generating Waste: Purging groundwater monitoring wells

D. Physical Properties

Physical State
☐ 100% Solid
☑ 100% Liquid
☐ Sludge
____ % Free Liquid

Odor
☐ None
☑ Mild
☐ Strong
Describe:

Color
Describe: Clear

Viscosity
☐ Low
☑ Medium
☐ High

Specific Gravity
8.34 lb/gallon

Flash Point
☐ <73 F ☐ 140-199 F
☐ 73-99 F ☑ >199 F
☐ 100-139 F ☐ N/A

pH
☐ < 2 ☐ 9.1 - 12.4
☐ 2.1 - 4.9 ☐ > 12.5
☑ 5 - 9 ☐ N/A

Water
☐ < 5% ☐ 30-80%
☐ 5-10% ☑ 80-100%
☐ 10-30% ☐ N/A

Is this waste incompatible with other material? ☑ No ☐ Yes If Yes, explain:

E. Volume

Anticipated Volume: 2,800 Gal ☐ Drums ☐ 5-Gallon ☐ 30-Gallon ☐ 55-Gallon ☐ Tote ☐ Bulk ☐ Tanker ☑ Pump Truck ☐ Other:

Estimated Frequency: ☐ Weekly ☐ Semimonthly ☐ Monthly ☐ Quarterly ☑ Other semi-annual

F. Constituents

Total must be equal to 100%. All constituents, including debris must be identified.

Constituents	Actual %	Range
Water	>99.99	
Gasoline	<0.01	
	0%	

G. Other Hazards

☐ Radioactive
☐ Water Reactive
☐ Oxidizer
☐ OSHA
☐ Carcinogen
☐ Explosive
☐ Pesticide
☐ Polymerizable
☐ Organic Peroxide
☐ Infectious
☐ Pryophoric

H. Process Flow Chart

Using the space provided, draw a flow chart showing how waste is generated

I. Constituents

These values are based on ☑ Generator Knowledge ☐ Analytical Results

All analytical data provided relevant to this profile must be conducted by laboratories that have NELAP/NELAC accreditation.

Accreditation Number: _____ Name: _____

Address: _____ Phone: _____

Inorganic

	Metals	Level	(mg/l)
D004	Arsenic	5.0	<5.
D005	Barium	100.0	< 100.0
D006	Cadmium	1.0	< 1.0
D007	Chromium	5.0	< 5.0
D008	Lead	5.0	< 5.0
D009	Mercury	0.2	< 0.2
D010	Selenium	1.0	< 1.0
D011	Silver	5.0	< 5.0

Other	Conc.
Ammonia	n/a
Phosphorus	n/a
Formaldehyde	n/a
Total Solids	n/a
PCBs	n/a
Copper	n/a
Nickel	n/a
Zinc	n/a

	Pesticides/Herbicides	Level	(mg/l)
D012	Endrin		n/a
D013	Lindane		n/a
D014	Methoxychlor		n/a
D015	Toxaphene		n/a
D016	2,4-D		n/a
D017	2,4,5-TP		n/a
D020	Chlordane		n/a
D031	Heptachlor		n/a

Organic

	Volatile Compounds	Level	(mg/l)
D018	Benzene	0.5	< 0.5
D019	Carbon Tetrachloride	0.5	< 0.5
D021	Chlorobenzene	100.0	< 100.0
D022	Chloroform	6.0	< 6.0
D028	1,2-Dichloroethane	0.5	< 0.5
D029	1,1-Dichloroethylene	0.7	< 0.7
D035	Methyl Ethyl Ketone	200.0	< 200.0
D039	Tetrachloroethylene	0.7	< 0.7
D040	Trichloroethlene	0.5	< 0.5
D043	Vinyl Chloride	0.2	< 0.2

	Semi-Volatile Compounds	Level	(mg/l)
D023	o-Cresol	200.0	< 200.0
D024	m-Cresol	200.0	< 200.0
D025	p-Cresol	200.0	< 200.0
D026	Cresol	200.0	< 200.0
D027	1,4-Dichlorobenzene	7.5	< 7.5
D030	2,4-Dinitrotoluene	0.13	< 0.13
D032	Hexchlorobenzene	0.13	< 0.13
D033	Hexachlorobutadiene	0.5	< 0.5
D034	Hexachloroethane	3.0	< 3.0
D036	Nitrolbenzene	2.0	< 2.0
D037	Pentachlorophenol	100.0	< 100.0
D038	Pyridine	5.0	< 5.0
D041	2,4,5-Trichlorophenol	400.0	< 400.0
D042	2,4,6-Trichlorophenol	2.0	< 2.0

J. General Information

1 ☑ No ☐ Yes Is this waste a hazardous material as defined in 49 CFR Section 172.101?
If yes, include shipping name, placard hazard class and packaging group:

_____

2 ☑ No ☐ Yes Is this waste regulated as a reportable quantity as defined in 49 CFR Section 172.101 Appendix A?

3 ☑ No ☐ Yes Is this waste a marine pollutant as defined in 49 CFR Section 172.101 Appendix B?

4 ☑ No ☐ Yes Is this hazardous waste, as determined by performing the Hazardos Waste Determination prescribed at CFR262.11? (Attach Documentation)

5 ☑ No ☐ Yes Does this waste contain any amount of Listed Hazardous Waste in 40 CFR 261.31, Hazardous Waste from Non-specific Sources; 261.32, Hazardous Waste from Specific Sources; and 261.33, Discarded Commercial Chemical Products, Off specification Species, Container Residues, and Spill Residues?

6 ☑ No ☐ Yes Does waste fail any of the four Hazardous Waste Characteristics of ignitibility, corrosivity, reactivity, and toxicity, as defined in 40 CFR 261.21, 261.22, 261.23, 261.23, respectively?

7 ☑ No ☐ Yes Is this waste state regulated? If Yes, define: _____

8 ☑ No ☐ Yes Are Material Safety Data Sheets and/or all analytical data relevant to this profile data sheet attached?

9 ☐ No ☑ Yes Is this waste derived from an Investigation of an Undergroud Storage Tank release (IDW)?

K. Sample

Has a sample been included? ☐ Yes ☑ No If yes, sampled by: _____ Date: _____

L. Generator's Certification

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If A&D Environmental Services discovers a discrepancy during the approval process, Generator grants A&D Environmental Services the authority to amend the profile, as A&D Environmental Services LLC deems necessary, to reflect the discrepancy.

Generator Signature	Print Name	Date
	Johnny Tapia	5/24/14