

January 20, 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: Third Quarter 2019 Monitoring Report  
Plantation Pipe Line Company  
Lewis Drive Remediation Site, Belton, South Carolina  
Site ID Number 18693, “Kinder Morgan Belton Pipeline Release”**

Dear Mr. Mendenhall,

On behalf of Plantation Pipe Line Company (Plantation), this Third Quarter 2019 Monitoring Report presents a summary of the work performed at the Lewis Drive Remediation Site in Belton, South Carolina between July 1 and September 30, 2019. As requested, this quarterly report is presented in a condensed format for ease of use; a comprehensive annual report will continue to be submitted, as discussed with the South Carolina Department of Health and Environmental Control (DHEC) during meetings on May 17 and August 12, 2019.

The September 2019 quarterly 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 Table 1 of the *Monitoring, Reporting, and Product Recovery Plan* submitted on May 31, 2019 (Jacobs, 2019) and agreed upon by DHEC on August 20, 2019 (DHEC, 2019).

Figure 1 presents a map of the site and sampling locations, including monitoring wells, recovery sumps, recovery trenches, recovery wells, and surface water monitoring locations.

## **Summary of Gauging and Product Recovery**

Select monitoring wells and surface water locations were gauged monthly during this reporting period. Sitewide gauging was conducted quarterly and included the product recovery features (recovery sumps, trenches, and wells). Almost all monitoring wells and recovery features (with the exception of RW-09, RW-12, 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 September 2019 gauging event were used to create potentiometric surface maps for the site (Figures 2A and 2B). Groundwater flow in both the residuum (Figure 2A) and bedrock (Figure 2B) aquifers mimics 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 September 2019 water table configurations and direction of groundwater flow 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), and Hayfield Zone in recovery wells, sumps, and trenches. During the quarterly event, the field team recorded the product collected from each canister or sock. The amount of product collected from the canisters was tracked by measuring the fluid volume from the canister in a stainless-steel measuring cup. The amount of product collected from the absorbent socks was measured by weighing the absorbent socks before and after deployment into the recovery feature. Recovered fluids from the canisters were placed into onsite poly tanks for temporary storage, separation, and eventual offsite disposal. Used absorbent socks were placed in a Department of Transportation (DOT)-approved, 55-gallon steel drum for offsite disposal. Table 3 shows the dates and quantities of product that was recovered.

During this third quarter 2019 reporting period, only 0.074 gallon of product was recovered at the site, with 85 percent of that recovered from RW-05. Product thicknesses continue to be minimal across the site. In September 2019, measurable product thicknesses were observed at only 8 of 105 features monitored, ranging from 0.02 foot in MW-11, RS-01, and RW-03 to 0.23 foot in RW-04. Most notably, no recovery features within the BCPZ or the CCPZ contained measurable product; only one monitoring location, MW-20, contained product within the CCPZ. 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.

## 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 this reporting period 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. Surface water samples were collected monthly and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and methyl tertiary butyl ether (MTBE) using U.S. Environmental Protection Agency (EPA) Method 8260B.

During this reporting period, dissolved hydrocarbons were detected in surface water at 4 of the 13 locations sampled: SW-01, SW-02, SW-04, and SW-12 (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 [ $\mu\text{g/L}$ ]; DHEC, 2014); benzene was isolated to SW-12 during the August 2019 event, and nondetect during the September 2019 event. 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 show a data gap for March 2019 because these locations were dry and did not allow for sample collection. In addition, locations SW-03, SW-05, and SW-13 were dry during the September 2019 event and did not allow for sample collection. Laboratory reports for surface water samples and chain of custody (COC) records are included in Attachment D.

## Summary of Groundwater Results

Three groundwater sampling events were performed during this reporting period. The first event was limited to monitoring wells MW-46, MW-56, and MW-57 (CCPZ), and MW-37 and MW-38 (BCPZ) prior to

oxidant injections in August 2019. The second event was the mid-quarter event. The third event was a comprehensive sitewide quarterly event. Sitewide groundwater gauging was conducted at the beginning of the third sampling event, and select wells were gauged during the first and second events 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, peristaltic pump using low-flow purging, or submersible pump. Samples were analyzed for BTEX, 1,2-dichloroethane, MTBE, and naphthalene using EPA Method 8260B. Groundwater sample results are summarized in Table 5A; historical data for groundwater samples are summarized in Table 5B. (Note: private well sampling is conducted during the second and fourth quarter events and will be discussed in the next quarterly report.)

Groundwater monitoring results for this reporting period demonstrate continued decreases in dissolved concentrations of hydrocarbons and stabilization of the extent of these dissolved concentrations in the BCPZ, CCPZ, and Hayfield Zone. An exception is MW-23 in the CCPZ, which has shown an increase in dissolved concentrations since the previous quarter; this well will continue to be monitored. Most bedrock wells, which are outside the radius of influence of vertical air sparge (VAS) and horizontal air sparge (HAS) systems, and the shallow bedrock zone (SBZ) have stable dissolved concentrations. An exception is MW-15B, which has shown an order of magnitude increase of dissolved concentrations since the previous quarter.

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 September 2019 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.

### **Browns Creek Protection Zone**

Remediation in the BCPZ has exceeded expectations with benzene no longer detected in any of the downgradient wells with the exception of MW-34, which is just above its TSL of 5 µg/L at a concentration of 12.9 µg/L. The only other constituent exceedance in wells downgradient of the AS system is MTBE in MW-34 and MW-39. Constituent concentrations in downgradient residuum monitoring wells MW-24, MW-25, MW-40, MW-41, MW-42, and MW-43 were nondetect during this reporting period. Benzene concentrations have fluctuated at MW-34 since June 2018 but project an overall stable trend. The residual levels in MW-34 likely remain due to its poor hydraulic conductivity with the groundwater. This well purges dry rapidly and is very slow to recharge, indicating its poor hydraulic connection. As a result, the residual levels in this well are not believed to be representative of the nearby groundwater. Benzene concentrations at MW-38 had an increasing trend at the beginning of the year and have since shown a marked decrease of 95.8 percent since the last quarter and following the oxidant injections in this area (950 µg/L in June 2019 to 40.2 µg/L in September 2019).

Groundwater in residuum wells that are side-gradient of and within the AS system show that dissolved concentrations have remained stable or nondetect with concentrations remaining below TSLs or nondetect in monitoring wells MW-12, MW-15, MW-35, and MW-37. Bedrock wells within the influence of the AS system have decreased benzene concentrations in MW-12B and increased concentrations in MW-15B since the last quarterly event. At MW-15B, it is possible that the upgradient AS wells added during the system expansion are impacting the concentrations. BTEX constituents were nondetect in all other BCPZ bedrock monitoring wells during this reporting period.

### Cupboard Creek Protection Zone

Since AS was initiated in March 2017, dissolved concentrations in the CCPZ have stabilized in residuum well MW-20 but fluctuated in wells MW-23 and MW-46. MW-19 is within the AS system and has been sampled regularly since June 2018 with detections below TSLs during the previous quarterly event in June 2019; however, it did not have sufficient water for sample collection during this quarterly event. MW-20 is also within the influence of the AS system and has been sampled regularly since February 2019, showing a trend of decreasing product occurrence and stable constituent concentrations. MW-20 was not sampled during this quarterly event due to the presence of product. MW-23 is downgradient of the system and has shown an increase in BTEX concentrations in 2019. The impacts at MW-23 need to be continually monitored to assess if those impacts are not being sufficiently treated by the system and if alternative treatment needs to be focused in that area. No constituents were detected in downgradient bedrock monitoring wells (MW-23B and MW-26B) in the CCPZ.

Since the last quarterly event and oxidant injections performed in August 2019, downgradient monitoring wells MW-46, MW-56, and MW-57 have shown decreasing trends for all constituents analyzed. Benzene concentrations from June 2019 to September 2019 decreased in MW-46 by 45.8 percent, while concentrations at MW-56 and MW-57 decreased almost 95 percent. Only benzene and MTBE concentrations are now above their respective TSLs at these locations.

### Hayfield Zone

The vast majority of the Hayfield area monitoring wells are below TSL levels with only five residuum and three bedrock wells still showing detections above TSLs. Of these wells, only two (MW-16 and MW-18) are within the influence of the AS system, demonstrating the effectiveness of the system. Benzene was detected above the TSL in 4 of 27 residuum monitoring wells (MW-07, MW-16, MW-36, and MW-45). Though benzene and toluene concentrations continue to exceed the TSL in MW-07, concentrations have decreased slightly since the last quarter, and this location is upgradient of the CCPZ. Benzene and MTBE concentrations at MW-45 exceed TSLs and have increased slightly since last quarter. Naphthalene concentrations exceeded the TSL in MW-16 and MW-18 in September 2019. Measurable product has not been detected at any residuum or bedrock monitoring wells within the Hayfield Zone this year. MW-36 benzene concentrations have decreased by nearly 70 percent since the last quarterly event, while MW-09 and MW-14 concentrations have remained below the respective TSLs. The analytical results for MW-51 through MW-55 continue to remain below the TSLs. Four of the residuum wells were not sampled due to insufficient water (MW-03, MW-13, MW-17, and MW-30). TSL exceedances during the September 2019 event for residuum monitoring wells are shown in Exhibit 1.

**Exhibit 1. TSL Exceedances in Residuum Wells in September 2019**

| Well         | Date      | Units | Benzene | Toluene | MTBE | Naphthalene |
|--------------|-----------|-------|---------|---------|------|-------------|
| TSLs (µg/L): |           |       | 5       | 1,000   | 40   | 25          |
| MW-07        | 9/19/2019 | µg/L  | 1,580   | 2,550   | 50 U | 250 U       |
| MW-16        | 9/18/2019 | µg/L  | 8.36    | 73.9    | 1 U  | 132         |
| MW-18        | 9/18/2019 | µg/L  | 1 U     | 10.7    | 15.4 | 48.7        |
| MW-36        | 9/19/2019 | µg/L  | 360     | 46.0    | 10 U | 50 U        |
| MW-45        | 9/17/2019 | µg/L  | 5.24    | 1 U     | 103  | 5 U         |

Gray shading indicates the analyte exceeded TSL

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

Dissolved concentrations were detected above TSLs in 3 of the 10 bedrock wells, with each of these locations being outside the influence of the AS system. Benzene concentrations ranged from 25.6 µg/L in MW-50B to 7,700 µg/L in MW-17B during the September 2019 event. Concentrations of ethylbenzene, toluene, naphthalene, and MTBE exceeded the TSLs at MW-17B, which is upgradient of the Cupboard Creek AS curtain. MTBE also exceeded its TSL in MW-13B and MW-50B. All other bedrock wells in the Hayfield Zone were nondetect or below TSLs during this reporting period.

## Shallow Bedrock Zone

The SBZ has shown stable concentrations since March 2019 with all monitoring wells below TSLs or nondetect with the exception of MW-11. Product has not been detected at MW-11 since December 2018, and it has been sampled quarterly since March 2019 with stable BTEX concentrations. This well is in the area of the recently expanded AS system, which is expected to directly influence BTEX concentrations in groundwater in the area of and downgradient to MW-11 before it connects with the Browns Creek area (Figure 4A). Residuum wells MW-22 and MW-44 were nondetect during the previous 2019 sampling events, but had insufficient water for sampling during this quarterly event. No constituents were detected above TSLs in bedrock monitoring wells MW-01B, MW-27B, and MW-44B.

## Summary of Air Sparging System Operation/Maintenance and Efficiency

The average runtime for the AS system during this reporting period was approximately 46 percent. Air compressor downtime experienced during this reporting period was associated with routine maintenance visits and sampling, high temperature shutdowns, and breaker tripping causing one or both compressors to fail.

There were approximately 11 days of scheduled downtime 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. Thirty-nine days of unscheduled downtime occurred because one or both compressors failed due to the tripping of a faulty breaker. Troubleshooting of the system occurred to determine the cause of the faulty breaker. Initially, a fan was installed to reduce temperatures in the breaker panel; however, when the breaker continued to trip, it was determined that an upgrade was needed from 300 amperes (amps) to 350 amps. This upgrade to the breaker is scheduled to be performed during the next reporting period.

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

- BCPZ: AS in the BCPZ was performed using 35 VAS wells screened from approximately 13 to 72 feet below ground surface (bgs). The flow rates in these wells averaged approximately 7.65 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. The flow rates in the aerators averaged approximately 14.45 scfm each during this reporting period.
- CCPZ: AS in the CCPZ was performed using a curtain of 24 VAS wells screened between approximately 9 and 31 feet bgs. The flow rates in these wells averaged approximately 7.79 scfm per sparging well during this reporting period.
- Hayfield Zone: AS in the Hayfield Zone was performed at three HAS wells (HAS-01, HAS-02, and HAS-03), which have screen lengths of approximately 752, 715, and 377 feet, respectively. The flow rates in each of the three HAS wells were maintained at approximately 0.63 scfm per foot of screen during this reporting period, resulting in average flow rates of 494, 406, and 249 scfm per well, respectively. Sparging at the HAS wells was continuous during system operation. Decreasing flows to the HAS wells and increasing flows to other areas of the site is being considered to optimize the AS system.

The average runtime for the AS system reported above is lower than the values reported in the monthly operation and maintenance updates due to a calculation error that was discovered in November 2019, which has been corrected in this report. The average AS system runtimes for July, August, and September 2019 should have been reported as 69, 33, and 37 percent, respectively.

## Additional Activities

Below is a summary of the additional activities performed during July through September 2019:

- Four soil samples were collected on July 18, 2019, one each at four sample locations (SS-01 through SS-04) on the west side of Browns Creek in the vicinity of MW-34 and SW-12, to assess the potential presence of free-phase petroleum that was not being detected in nearby monitoring wells and that could be adversely impacting the surface water (Figure 1). Each sample location was advanced to the capillary fringe; samples were collected approximately between 20 and 32 inches bgs using a hand auger. Volatile organic compound (VOC) readings were recorded using a photoionization detector (PID) during the advancement of the hand auger at each soil sample location. The readings ranged from less than 1.0 parts per million (ppm) (SS-01 and SS-04) to 370 ppm (SS-02). Each soil sample was analyzed for BTEX and naphthalene by Method SW-846 8260B. A product sheen field test was performed on soils collected from each sampling location that involved mixing distilled water with the soil in a clean bucket. Only the test for the SS-02 location showed a faint visible sheen from this field test.

BTEX and naphthalene concentrations from the soil samples collected were below the RBSLs for surficial soil (Table D6 of the QAPP), but above the leaching RBSLs for clay-rich soil with <10 feet separation distance (Table D4 of the QAPP). Soil sample results are summarized in Table 6 of this report. Laboratory analytical reports and COC records are included in Attachment D.

- Oxidant injections were conducted from August 9 through 28, 2019, in the area of MW-46, MW-56, and MW-57 in the CCPZ and MW-38 in the BCPZ. This was performed as an interim step to address the increased dissolved hydrocarbon concentrations located outside the direct influence of the AS system in the area upgradient from Cupboard Creek and Browns Creek. The selected amendment, Oxygen BioChem (OBC), was injected into the subsurface to reduce the dissolved hydrocarbon concentrations in groundwater. OBC, supplied by Redox Tech, LLC, is a mixture of sodium persulfate and calcium peroxide that supports a two-fold mechanism for treating petroleum hydrocarbons. OBC delivers a strong oxidant (sodium persulfate) that provides short-term in situ chemical oxidation, as well as long-term electron acceptors (oxygen and sulfate) for biological oxidation. A total of 42 injection locations in the MW-46 area of Cupboard Creek and 23 injection locations in the area of MW-38 of Browns Creek were installed approximately 15 feet apart, perpendicular to groundwater flow. A Geoprobe direct-push drill rig was used to advance borings at each location to deliver an OBC solution that was approximately 600 pounds of OBC mixed with 360 gallons of potable water. The solution was injected from the top of bedrock (approximately 20 feet bgs) to 6 feet bgs. Additional details regarding the injections can be found in the field summary report provided by Redox Tech, LLC, included as Attachment E.

## Summary of Findings

The following conclusions are based on site work performed during this reporting period between July 1 and September 30, 2019:

- The presence of free-phase petroleum has been virtually eliminated at the site. Of the 105 monitoring features gauged, only 4 of 7 locations with measurable product had a product thickness greater than 0.1 foot. Free-phase product continues to be absent within the treatment zones at Cupboard and Brown's Creeks with the exception of MW-20 in CCPZ.
- The sitewide remedial efforts have been effective in establishing treatment zones before Brown's Creek and Cupboard Creek from continued migration of contaminated groundwater to these surface waters. Groundwater monitoring results in the area of influence in the Hayfield area have cleaned up all impacts to below TSLs with the exception of MW-16 (benzene and naphthalene) and MW-18 (naphthalene). Only minor impacts still remain downgradient of the Brown's Creek treatment system in MW-34 and MW-39. It is believed that MW-34 is not hydraulically connected to the groundwater and is not representative of groundwater in that area. Treatment at Cupboard Creek shows only two areas of continued impact at MW-20 and MW-23. The impacts at MW-23 need to be monitored more frequently to assess if those impacts are not being sufficiently treated by the system, and treatment needs to be focused in that area if possible.

- Oxidant injections, outside the direct influence of the AS system and upgradient from Cupboard Creek (CCPZ) and Browns Creek (BCPZ), decreased benzene concentrations substantially (i.e., at MW-38 and MW-46 by 95.8 and 45.8 percent, respectively, and by almost 95 percent at MW-56 and MW-57 from July 2019 to September 2019).
- The analytical results for recently installed monitoring wells MW-51 through MW-55 have continued to be below the TSLs since installation (between August 2018 and March 2019):
  - MW-51 and MW-52 results did not indicate an upgradient source from these locations that may account for the dissolved hydrocarbon concentrations at MW-38.
  - MW-53 and MW-54 results defined the northern edge of the plume in the area of MW-30.
  - MW-55 results defined the western edge of the plume in the area of MW-36.
- Although AS treatment zones have been established upgradient of both surface water bodies, an exceedance of the benzene surface water screening value was recorded at SW-12 in August 2019. However, benzene was nondetect for all surface water sampling locations analyzed during the September 2019 event.
- During this reporting period, the AS system operated far less than desired primarily due to a problem with the breaker system. Uptime was only approximately 46 percent. Operating flows in the stream aerators, HAS wells, and VAS wells were maintained near design rates (i.e., at approximately 96 percent, 84 percent, and 51 percent of design flow capacity, respectively).
- There are a few locations that show residual impacts outside the influence of the AS system. These locations are downgradient or side-gradient of the system and will be addressed with activities currently being considered. This includes MW-38 (BCPZ), MW-23, MW-46, MW-56, and MW-57 (CCPZ), and MW-7, MW-36, and MW-45 (Hayfield Zone). The recent oxidant injections focused on these areas, with the exception of MW-23 and the Hayfield Zone wells.

## 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 *Monitoring, Reporting, and Product Recovery Plan* (Jacobs, 2019). Groundwater concentration trends in the monitoring well network will continue to be assessed to optimize the monitoring well network, to optimize air sparging efforts, and to identify areas for potential additional remediation, if necessary.
- Concentrations in areas of MW-46, MW-56, and MW-57 (CCPZ), and monitoring well MW-38 (BCPZ) will be monitored to assess the effectiveness of the oxidant injections conducted in August 2019 and to evaluate the need to expand the AS system in those areas. A plan for expanding the air sparge systems at Cupboard Creek and Brown's Creek will be developed should an expansion be needed.
- Additional monitoring wells will be installed in the CCPZ, including a shallow well and a bedrock well downgradient of MW-56 and MW-57, and a well side-gradient from MW-46, to further delineate petroleum contamination in this area.
- A bedrock well will be installed in the area of MW-38 in the BCPZ to further delineate petroleum contamination downgradient of MW-14B.
- The pilot test air sparge wells will be converted to monitoring wells for use in assessing residual impacts in the bedrock in that area of the site.
- A plan to address select bedrock and residuum wells that are not under the direct influence of the air sparge systems will be submitted for DHEC approval.
- Petroleum-contaminated water will be removed from the onsite storage tanks and disposed at a permitted facility during the next reporting period.
- The faulty breaker that was causing the air compressors to fail will be replaced during the next reporting period.

## References

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.

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, 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.

South Carolina Department of Health and Environmental Control (DHEC). 2019. *Review 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.

If you have any questions regarding this report or the project in general, please call me at (919) 859-5789, Tom Wiley/Jacobs at (678) 530-4388, 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

January 20, 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 - 2019  
Table 4A – Analytical Results for Surface Water, Third Quarter 2019  
Table 4B – Analytical Results for Surface Water, Historical  
Table 5A – Analytical Results for Groundwater, Third Quarter 2019  
Table 5B – Analytical Results for Groundwater, Historical  
Table 6 – 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, March 2019, May/June 2019, and August/September 2019  
Figure 4B – Groundwater Analytical Results in Bedrock Aquifer, March 2019, June 2019, and September 2019

Attachment A – Product Thickness Trends  
Attachment B – Surface Water Analytical Trends  
Attachment C – Groundwater Analytical Trends  
Attachment D – Analytical Laboratory Reports  
Attachment E – Field Summary Report from Redox Tech, LLC

## **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 Brown's 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.) |
|-----------|---|---|---|--|---|--|
| 7/17/2019 | Cupboard Creek was dry leading to SW-14. No noticeable changes in area. Odor present along pathway from MW-19 to MW-20.                                 | Brown's Creek had a slight odor around SW-12. The remaining locations had clear flow or biosheen. Areas around SW-08 and SW-09 were muddy.  | No noticeable changes.  | No noticeable changes.   | Area near culvert was muddy. No noticeable odors or sheen other than biological. Vehicular trash such as beer bottles, fast food bags, and other debris were noticed. | Animal tracks were observed leading into and out of the SW-04 sampling location.                       |
| 8/20/2019 | Cupboard Creek was dry along Calhoun Road to SW-14. During an inspection of the cattle pond (SW-14), biosheen, live fish, and live frogs were observed. | No odors or distressed vegetation observed in wetlands either upstream or downstream of culvert under Lewis Drive. Some biological sheen near MW-37 and down towards SW-08. Observed frogs jumping in the water near MW-38. | No changes were observed in the Hayfield Zone from the last inspection.   | No changes were observed in the Shallow Bedrock Zone from the last inspection.           | No observed abnormalities along the hillside. Biological sheen and algae present.   | No observed abnormalities along the hillside. Biological sheen and algae present.                      |
| 9/19/2019 | Cupboard Creek leading to SW-14 was dry. Dead grass and trees around injection areas in farmers field were observed.                                    | Daylighting around RW-14. Reduced flow at VAS-24 to 3 scfm. Daylighting issue resolved. Water levels low around SW-13.  | Ant hills at most flush mount wells. Overgrown grass in Hayfield Zone, low visibility of ground. Trees along tree line are healthy. | Conditions good. Large oak is dead on one side - possibly struck by lightning.           | Kudzu in area. Path still open and clean.   | Conditions good.   |

Note:

ID = identification

MW = monitoring well

RT = recovery trench

scfm = standard cubic feet per minute

SW = surface water

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes    |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|----------|
| MW-01       |           |                            |                          |                        | 853.07   |                                 |  |          |
|             | 9/16/2019 | -                          | 12.08                    | -                      |  | 840.99                          | -  |          |
| MW-01B*     |           |                            |                          |                        | 852.99   |                                 |  |          |
|             | 9/16/2019 | -                          | 11.78                    | -                      |  | 841.21                          | -  |          |
| MW-02       |           |                            |                          |                        | 841.04   |                                 |  |          |
|             | 9/16/2019 | -                          | 14.63                    | -                      |  | 826.41                          | -  |          |
| MW-02B*     |           |                            |                          |                        | 841.19   |                                 |  |          |
|             | 9/16/2019 | -                          | 22.23                    | -                      |  | 818.96                          | -  |          |
| MW-03       |           |                            |                          |                        | 838.36   |                                 |  |          |
|             | 9/16/2019 | -                          | 19.89                    | -                      |  | 818.47                          | -  |          |
| MW-04       |           |                            |                          |                        | 844.42   |                                 |  |          |
|             | 9/16/2019 | -                          | 14.48                    | -                      |  | 829.94                          | -  |          |
| MW-05       |           |                            |                          |                        | 851.11   |                                 |  |          |
|             | 9/16/2019 | -                          | 16.50                    | -                      |  | 834.61                          | -  |          |
| MW-06       |           |                            |                          |                        | 852.92   |                                 |  |          |
|             | 9/16/2019 | -                          | 13.73                    | -                      |  | 839.19                          | -  |          |
| MW-06B*     |           |                            |                          |                        | 852.57   |                                 |  |          |
|             | 9/16/2019 | -                          | 13.52                    | -                      |  | 839.05                          | -  |          |
| MW-07       |           |                            |                          |                        | 853.02   |                                 |  |          |
|             | 9/16/2019 | -                          | 12.81                    | -                      |  | 840.21                          | -  |          |
|             | 8/19/2019 | -                          | 11.61                    | -                      |  | 841.41                          | -  |          |
| MW-08       |           |                            |                          |                        | 844.72   |                                 |  |          |
|             | 9/16/2019 | -                          | 17.16                    | -                      |  | 827.56                          | -  |          |
| MW-09       |           |                            |                          |                        | 843.63   |                                 |  |          |
|             | 9/16/2019 | -                          | 13.30                    | -                      |  | 830.33                          | -  | sparging |
| MW-09B*     |           |                            |                          |                        | 843.92   |                                 |  |          |
|             | 9/16/2019 | -                          | 15.49                    | -                      |  | 828.43                          | -  |          |
| MW-10       |           |                            |                          |                        | 845.41   |                                 |  |          |
|             | 9/16/2019 | -                          | 19.95                    | -                      |  | 825.46                          | -  |          |
| MW-11*      |           |                            |                          |                        | 855.63   |                                 |  |          |
|             | 9/16/2019 | 29.80                      | 29.82                    | 0.02                   |  | 825.81                          | 825.82   |          |
| MW-12       |           |                            |                          |                        | 834.53   |                                 |  |          |
|             | 9/16/2019 | -                          | 14.67                    | -                      |  | 819.86                          | -  |          |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes        |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|--------------|
| MW-12B*     |           |                            |                          |                        | 834.98   |                                 |  |              |
|             | 9/16/2019 | -                          | 14.59                    | -                      |  | 820.39                          | -  |              |
|             | 8/19/2019 | -                          | 12.07                    | -                      |  | 822.91                          | -  | no odor      |
| MW-13       |           |                            |                          |                        | 848.84   |                                 |  |              |
|             | 9/16/2019 | -                          | 22.01                    | -                      |  | 826.83                          | -  |              |
| MW-13B*     |           |                            |                          |                        | 849.82   |                                 |  |              |
|             | 9/16/2019 | -                          | 23.23                    | -                      |  | 826.59                          | -  |              |
| MW-14       |           |                            |                          |                        | 838.70   |                                 |  |              |
|             | 9/16/2019 | -                          | 17.45                    | -                      |  | 821.25                          | -  |              |
| MW-14B*     |           |                            |                          |                        | 840.20   |                                 |  |              |
|             | 9/16/2019 | -                          | 18.26                    | -                      |  | 821.94                          | -  |              |
| MW-15       |           |                            |                          |                        | 831.03   |                                 |  |              |
|             | 9/16/2019 | -                          | 11.56                    | -                      |  | 819.47                          | -  |              |
| MW-15B*     |           |                            |                          |                        | 831.29   |                                 |  |              |
|             | 9/16/2019 | -                          | 15.68                    | -                      |  | 815.61                          | -  |              |
|             | 8/19/2019 | -                          | 15.52                    | -                      |  | 815.77                          | -  | slight odor  |
| MW-16       |           |                            |                          |                        | 847.67   |                                 |  |              |
|             | 9/16/2019 | -                          | 14.97                    | -                      |  | 832.70                          | -  | well surging |
| MW-17       |           |                            |                          |                        | 855.35   |                                 |  |              |
|             | 9/16/2019 | -                          | 10.83                    | -                      |  | 844.52                          | -  |              |
| MW-17B*     |           |                            |                          |                        | 855.37   |                                 |  |              |
|             | 9/16/2019 | -                          | 15.31                    | -                      |  | 840.06                          | -  |              |
|             | 8/19/2019 | -                          | 13.97                    | -                      |  | 841.40                          | -  | slight odor  |
| MW-18       |           |                            |                          |                        | 846.89   |                                 |  |              |
|             | 9/16/2019 | -                          | 15.78                    | -                      |  | 831.11                          | -  |              |
| MW-19       |           |                            |                          |                        | 853.94   |                                 |  |              |
|             | 9/16/2019 | -                          | 11.78                    | -                      |  | 842.16                          | -  |              |
| MW-20       |           |                            |                          |                        | 852.89   |                                 |  |              |
|             | 9/16/2019 | 11.87                      | 12.07                    | 0.20                   |  | 840.82                          | 840.96   |              |
|             | 8/19/2019 | 11.44                      | 11.66                    | 0.22                   |  | 841.23                          | 841.39   |              |
| MW-21       |           |                            |                          |                        | 855.77   |                                 |  |              |
|             | 9/16/2019 | -                          | 16.11                    | -                      |  | 839.66                          | -  |              |
| MW-22       |           |                            |                          |                        | 854.60   |                                 |  |              |
|             | 9/16/2019 | -                          | 9.98                     | -                      |  | 844.62                          | -  |              |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes         |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|---------------|
| MW-23       |           |                            |                          |                        | 849.57   |                                 |  |               |
|             | 9/16/2019 | -                          | 10.27                    | -                      |  | 839.30                          | -  |               |
|             | 8/19/2019 | -                          | 9.51                     | -                      |  | 840.06                          | -  |               |
| MW-23B*     |           |                            |                          |                        | 849.69   |                                 |  |               |
|             | 9/16/2019 | -                          | 7.65                     | -                      |  | 842.04                          | -  |               |
| MW-24*      |           |                            |                          |                        | 817.92   |                                 |  |               |
|             | 9/16/2019 | -                          | 5.28                     | -                      |  | 812.64                          | -  |               |
| MW-24B*     |           |                            |                          |                        | 818.72   |                                 |  |               |
|             | 9/16/2019 | -                          | 5.84                     | -                      |  | 812.88                          | -  |               |
| MW-25       |           |                            |                          |                        | 826.18   |                                 |  |               |
|             | 9/16/2019 | -                          | 8.47                     | -                      |  | 817.71                          | -  |               |
| MW-25B*     |           |                            |                          |                        | 823.81   |                                 |  |               |
|             | 9/16/2019 | -                          | 4.46                     | -                      |  | 819.35                          | -  |               |
| MW-26*      |           |                            |                          |                        | 847.56   |                                 |  |               |
|             | 9/16/2019 | -                          | 7.23                     | -                      |  | 840.33                          | -  |               |
|             | 8/19/2019 | -                          | 6.46                     | -                      |  | 841.10                          | -  |               |
| MW-26B*     |           |                            |                          |                        | 847.81   |                                 |  |               |
|             | 9/16/2019 | -                          | 8.67                     | -                      |  | 839.14                          | -  |               |
| MW-27       |           |                            |                          |                        | 854.11   |                                 |  |               |
|             | 9/16/2019 | -                          | 26.95                    | -                      |  | 827.16                          | -  |               |
| MW-27B*     |           |                            |                          |                        | 857.14   |                                 |  |               |
|             | 9/16/2019 | -                          | 26.33                    | -                      |  | 830.81                          | -  |               |
| MW-28       |           |                            |                          |                        | 844.31   |                                 |  |               |
|             | 9/16/2019 | -                          | 22.95                    | -                      |  | 821.36                          | -  |               |
| MW-29       |           |                            |                          |                        | 852.20   |                                 |  |               |
|             | 9/16/2019 | -                          | 10.35                    | -                      |  | 841.85                          | -  | fire ant hill |
| MW-30       |           |                            |                          |                        | 841.28   |                                 |  |               |
|             | 9/16/2019 | -                          | 14.56                    | -                      |  | 826.72                          | -  |               |
| MW-31       |           |                            |                          |                        | 845.04   |                                 |  |               |
|             | 9/16/2019 | -                          | 21.63                    | -                      |  | 823.41                          | -  |               |
| MW-32       |           |                            |                          |                        | 842.93   |                                 |  |               |
|             | 9/16/2019 | -                          | 21.05                    | -                      |  | 821.88                          | -  |               |
| MW-33T*     |           |                            |                          |                        | 849.11   |                                 |  |               |
|             | 9/16/2019 | -                          | 27.90                    | -                      |  | 821.21                          | -  |               |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes   |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|---------|
| MW-34*      |           |                            |                          |                        | 816.35   |                                 |  |         |
|             | 9/16/2019 | -                          | 3.36                     | -                      |  | 812.99                          | -  |         |
|             | 8/19/2019 | -                          | 3.28                     | -                      |  | 813.07                          | -  | no odor |
| MW-35*      |           |                            |                          |                        | 829.40   |                                 |  |         |
|             | 9/16/2019 | -                          | 10.07                    | -                      |  | 819.33                          | -  |         |
| MW-36       |           |                            |                          |                        | 858.47   |                                 |  |         |
|             | 9/16/2019 | -                          | 18.22                    | -                      |  | 840.25                          | -  |         |
|             | 8/19/2019 | -                          | 17.20                    | -                      |  | 841.27                          | -  |         |
| MW-36B*     |           |                            |                          |                        | 858.15   |                                 |  |         |
|             | 9/16/2019 | -                          | 17.94                    | -                      |  | 840.21                          | -  |         |
| MW-37*      |           |                            |                          |                        | 813.92   |                                 |  |         |
|             | 9/16/2019 | -                          | 3.79                     | -                      |  | 810.13                          | -  |         |
|             | 8/19/2019 | -                          | 3.32                     | -                      |  | 810.60                          | -  | no odor |
|             | 7/17/2019 | -                          | 3.20                     | -                      |  | 810.72                          | -  |         |
| MW-38*      |           |                            |                          |                        | 813.28   |                                 |  |         |
|             | 9/16/2019 | -                          | 1.89                     | -                      |  | 811.39                          | -  |         |
|             | 8/19/2019 | -                          | 1.60                     | -                      |  | 811.68                          | -  | no odor |
|             | 7/17/2019 | -                          | 1.44                     | -                      |  | 811.84                          | -  |         |
| MW-39*      |           |                            |                          |                        | 819.90   |                                 |  |         |
|             | 9/16/2019 | -                          | 5.21                     | -                      |  | 814.69                          | -  |         |
|             | 8/19/2019 | -                          | 4.13                     | -                      |  | 815.77                          | -  | no odor |
| MW-40*      |           |                            |                          |                        | 817.79   |                                 |  |         |
|             | 9/16/2019 | -                          | 2.72                     | -                      |  | 815.07                          | -  |         |
|             | 8/19/2019 | -                          | 2.27                     | -                      |  | 815.52                          | -  | no odor |
| MW-41*      |           |                            |                          |                        | 819.68   |                                 |  |         |
|             | 9/16/2019 | -                          | 4.45                     | -                      |  | 815.23                          | -  |         |
|             | 8/19/2019 | -                          | 4.20                     | -                      |  | 815.48                          | -  |         |
| MW-42*      |           |                            |                          |                        | 820.33   |                                 |  |         |
|             | 9/16/2019 | -                          | 4.44                     | -                      |  | 815.89                          | -  |         |
| MW-43       |           |                            |                          |                        | 818.12   |                                 |  |         |
|             | 9/16/2019 | -                          | 5.29                     | -                      |  | 812.83                          | -  |         |
| MW-43B*     |           |                            |                          |                        | 818.80   |                                 |  |         |
|             | 9/16/2019 | -                          | 2.64                     | -                      |  | 816.16                          | -  |         |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes   |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|---------|
| MW-44       |           |                            |                          |                        | 853.67   |                                 |  |         |
|             | 9/16/2019 | -                          | 9.43                     | -                      |  | 844.24                          | -  |         |
| MW-44B*     |           |                            |                          |                        | 853.38   |                                 |  |         |
|             | 9/16/2019 | -                          | 13.60                    | -                      |  | 839.78                          | -  |         |
| MW-45       |           |                            |                          |                        | 852.47   |                                 |  |         |
|             | 9/16/2019 | -                          | 13.50                    | -                      |  | 838.97                          | -  |         |
| MW-45B*     |           |                            |                          |                        | 852.85   |                                 |  |         |
|             | 9/16/2019 | -                          | 14.01                    | -                      |  | 838.84                          | -  |         |
| MW-46*      |           |                            |                          |                        | 845.47   |                                 |  |         |
|             | 9/16/2019 | -                          | 9.32                     | -                      |  | 836.15                          | -  |         |
|             | 8/19/2019 | -                          | 8.54                     | -                      |  | 836.93                          | -  | no odor |
|             | 7/17/2019 | -                          | 7.50                     | -                      |  | 837.97                          | -  |         |
| MW-47       |           |                            |                          |                        | 842.98   |                                 |  |         |
|             | 9/16/2019 | -                          | 19.29                    | -                      |  | 823.69                          | -  |         |
| MW-48B*     |           |                            |                          |                        | 832.34   |                                 |  |         |
|             | 9/16/2019 | -                          | 18.02                    | -                      |  | 814.32                          | -  |         |
| MW-49       |           |                            |                          |                        | 846.78   |                                 |  |         |
|             | 9/16/2019 | -                          | 19.45                    | -                      |  | 827.33                          | -  |         |
| MW-50B*     |           |                            |                          |                        | 850.34   |                                 |  |         |
|             | 9/16/2019 | -                          | 23.59                    | -                      |  | 826.75                          | -  |         |
| MW-51       |           |                            |                          |                        | 831.92   |                                 |  |         |
|             | 8/19/2019 | -                          | 18.76                    | -                      |  | 813.16                          | -  |         |
| MW-52       |           |                            |                          |                        | 830.09   |                                 |  |         |
|             | 8/19/2019 | -                          | 16.92                    | -                      |  | 813.17                          | -  |         |
| MW-53       |           |                            |                          |                        | 837.37   |                                 |  |         |
|             | 8/19/2019 | -                          | 11.80                    | -                      |  | 825.57                          | -  |         |
| MW-54       |           |                            |                          |                        | 840.79   |                                 |  |         |
|             | 8/19/2019 | -                          | 15.87                    | -                      |  | 824.92                          | -  |         |
| MW-55       |           |                            |                          |                        | 859.71   |                                 |  |         |
|             | 8/19/2019 | -                          | 18.89                    | -                      |  | 840.82                          | -  |         |
| MW-56       |           |                            |                          |                        | 843.94   |                                 |  |         |
|             | 9/16/2019 | -                          | 8.18                     | -                      |  | 835.76                          | -  |         |
|             | 8/19/2019 | -                          | 7.46                     | -                      |  | 836.48                          | -  | no odor |
|             | 7/17/2019 | -                          | 6.46                     | -                      |  | 837.48                          | -  |         |



**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes       |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|-------------|
| MW-57       |           |                            |                          |                        | 845.63   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.76                     | -                      |  | 835.87                          | -  |             |
|             | 8/19/2019 | -                          | 8.99                     | -                      |  | 836.64                          | -  | slight odor |
|             | 7/17/2019 | -                          | 8.08                     | -                      |  | 837.55                          | -  |             |
| RS-01       |           |                            |                          |                        | 849.13   |                                 |  |             |
|             | 9/16/2019 | 12.85                      | 12.87                    | 0.02                   |  | 836.26                          | 836.27   |             |
| RS-02       |           |                            |                          |                        | 849.52   |                                 |  |             |
|             | 9/16/2019 | -                          | 12.19                    | -                      |  | 837.33                          | -  |             |
| RS-04       |           |                            |                          |                        | 851.47   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.77                     | -                      |  | 841.70                          | -  |             |
| RS-05       |           |                            |                          |                        | 848.31   |                                 |  |             |
|             | 9/16/2019 | 12.10                      | 12.30                    | 0.20                   |  | 836.01                          | 836.16   |             |
| RS-06       |           |                            |                          |                        | 849.47   |                                 |  |             |
|             | 9/16/2019 | -                          | 12.23                    | -                      |  | 837.24                          | -  |             |
| RS-07       |           |                            |                          |                        | 855.08   |                                 |  |             |
|             | 9/16/2019 | -                          | 13.46                    | -                      |  | 841.62                          | -  |             |
| RS-08       |           |                            |                          |                        | 854.24   |                                 |  |             |
|             | 9/16/2019 | -                          | 13.46                    | -                      |  | 840.78                          | -  |             |
| RS-09       |           |                            |                          |                        | 847.60   |                                 |  |             |
|             | 9/16/2019 | -                          | 11.89                    | -                      |  | 835.71                          | -  |             |
| RS-10       |           |                            |                          |                        | 847.42   |                                 |  |             |
|             | 9/16/2019 | -                          | 10.65                    | -                      |  | 836.77                          | -  |             |
| RS-11       |           |                            |                          |                        | 847.44   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.28                     | -                      |  | 838.16                          | -  |             |
| RS-12       |           |                            |                          |                        | 847.74   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.59                     | -                      |  | 838.15                          | -  |             |
| RS-13       |           |                            |                          |                        | 845.98   |                                 |  |             |
|             | 9/16/2019 | -                          | 12.48                    | -                      |  | 833.50                          | -  |             |
| RS-14       |           |                            |                          |                        | 845.97   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.40                     | -                      |  | 836.57                          | -  |             |
| RS-15       |           |                            |                          |                        | 846.41   |                                 |  |             |
|             | 9/16/2019 | -                          | 9.29                     | -                      |  | 837.12                          | -  |             |
| RS-16       |           |                            |                          |                        | 845.44   |                                 |  |             |
|             | 9/16/2019 | -                          | 10.39                    | -                      |  | 835.05                          | -  |             |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|-------|
| RS-17       |           |                            |                          |                        | 844.22   |                                 |  |       |
|             | 9/16/2019 | -                          | 10.68                    | -                      |  | 833.54                          | -  |       |
| RS-18       |           |                            |                          |                        | 847.89   |                                 |  |       |
|             | 9/16/2019 | -                          | 12.48                    | -                      |  | 835.41                          | -  |       |
| RS-20       |           |                            |                          |                        | 842.69   |                                 |  |       |
|             | 9/16/2019 | -                          | -                        | -                      |  | 842.69                          | -  | Dry   |
| RT-1A       |           |                            |                          |                        | 854.06   |                                 |  |       |
|             | 9/16/2019 | -                          | 13.29                    | -                      |  | 840.77                          | -  |       |
| RT-1B       |           |                            |                          |                        | 854.15   |                                 |  |       |
|             | 9/16/2019 | -                          | 13.28                    | -                      |  | 840.87                          | -  |       |
| RT-1C       |           |                            |                          |                        | 854.55   |                                 |  |       |
|             | 9/16/2019 | -                          | 13.88                    | -                      |  | 840.67                          | -  |       |
| RW-01       |           |                            |                          |                        | 851.92   |                                 |  |       |
|             | 9/16/2019 | -                          | 17.32                    | -                      |  | 834.60                          | -  |       |
| RW-02       |           |                            |                          |                        | 852.69   |                                 |  |       |
|             | 9/16/2019 | 24.21                      | 24.40                    | 0.19                   |  | 828.29                          | 828.43   |       |
| RW-03       |           |                            |                          |                        | 852.34   |                                 |  |       |
|             | 9/16/2019 | 24.03                      | 24.05                    | 0.02                   |  | 828.29                          | 828.30   |       |
| RW-04       |           |                            |                          |                        | 853.93   |                                 |  |       |
|             | 9/16/2019 | 29.49                      | 29.72                    | 0.23                   |  | 824.21                          | 824.38   |       |
| RW-05       |           |                            |                          |                        | 853.53   |                                 |  |       |
|             | 9/16/2019 | 32.88                      | 32.93                    | 0.05                   |  | 820.60                          | 820.64   |       |
| RW-06       |           |                            |                          |                        | 846.21   |                                 |  |       |
|             | 9/16/2019 | -                          | 26.44                    | -                      |  | 819.77                          | -  |       |
| RW-07       |           |                            |                          |                        | 843.19   |                                 |  |       |
|             | 9/16/2019 | -                          | 23.45                    | -                      |  | 819.74                          | -  |       |
| RW-08       |           |                            |                          |                        | 835.48   |                                 |  |       |
|             | 9/16/2019 | -                          | 16.64                    | -                      |  | 818.84                          | -  |       |
| RW-09*      |           |                            |                          |                        | 835.12   |                                 |  |       |
|             | 9/16/2019 | -                          | 14.10                    | -                      |  | 821.02                          | -  |       |
| RW-10       |           |                            |                          |                        | 848.53   |                                 |  |       |
|             | 9/16/2019 | -                          | 13.74                    | -                      |  | 834.79                          | -  |       |
| RW-11       |           |                            |                          |                        | 852.97   |                                 |  |       |
|             | 9/16/2019 | -                          | 12.37                    | -                      |  | 840.60                          | -  |       |

**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 ID | Date      | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes                 |
|-------------|-----------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|-----------------------|
| RW-12*      |           |                            |                          |                        | 854.49   |                                 |  |                       |
|             | 9/16/2019 | -                          | -                        | -                      |  | 854.49                          | -  | Dry                   |
| RW-14*      |           |                            |                          |                        | 827.54   |                                 |  |                       |
|             | 9/16/2019 | -                          | 4.50                     | -                      |  | 823.04                          | -  | sparging              |
| RW-15       |           |                            |                          |                        | 851.64   |                                 |  |                       |
|             | 9/16/2019 | -                          | 13.78                    | -                      |  | 837.86                          | -  |                       |
| SW-01       |           |                            |                          |                        | 812.82   |                                 |  |                       |
|             | 9/16/2019 | -                          | (0.50)                   | -                      |  | 813.32                          | -  |                       |
|             | 8/19/2019 | -                          | (0.08)                   | -                      |  | 812.90                          | -  | minnows present       |
|             | 7/17/2019 | -                          | (0.60)                   | -                      |  | 813.42                          | -  | No odor / no sheen    |
| SW-02       |           |                            |                          |                        | 808.65   |                                 |  |                       |
|             | 9/16/2019 | -                          | (1.42)                   | -                      |  | 810.07                          | -  |                       |
|             | 8/19/2019 | -                          | (1.72)                   | -                      |  | 810.37                          | -  | biosheen              |
|             | 7/17/2019 | -                          | (1.90)                   | -                      |  | 810.55                          | -  | No odor / biosheen    |
| SW-03       |           |                            |                          |                        | 815.09   |                                 |  |                       |
|             | 9/16/2019 | -                          | -                        | -                      |  | 815.09                          | -  | Dry                   |
|             | 8/19/2019 | -                          | -                        | -                      |  | 815.09                          | -  | Dry                   |
|             | 7/17/2019 | -                          | -                        | -                      |  | 815.09                          | -  | Dry                   |
| SW-05       |           |                            |                          |                        | 838.75   |                                 |  |                       |
|             | 9/16/2019 | -                          | -                        | -                      |  | 838.75                          | -  | Dry                   |
|             | 8/19/2019 | -                          | -                        | -                      |  | 838.75                          | -  | Dry                   |
|             | 7/17/2019 | -                          | -                        | -                      |  | 838.75                          | -  | Dry                   |
| SW-08       |           |                            |                          |                        | 802.04   |                                 |  |                       |
|             | 9/16/2019 | -                          | (0.90)                   | -                      |  | 802.94                          | -  |                       |
|             | 8/19/2019 | -                          | (0.50)                   | -                      |  | 802.54                          | -  | heavy biosheen        |
|             | 7/17/2019 | -                          | (0.84)                   | -                      |  | 802.88                          | -  | No odor / biosheen    |
| SW-10       |           |                            |                          |                        | 778.09   |                                 |  |                       |
|             | 9/16/2019 | -                          | (4.00)                   | -                      |  | 782.09                          | -  |                       |
|             | 8/19/2019 | -                          | (0.38)                   | -                      |  | 778.47                          | -  | No odor / orange floc |
|             | 7/17/2019 | -                          | (0.39)                   | -                      |  | 778.48                          | -  | No odor / orange floc |

**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 ID | Date | Depth to Product (ft BTOC) | Depth to Water (ft BTOC) | Product Thickness (ft) | Top of Casing Elevation <sup>a,b</sup> (ft amsl) | Groundwater Elevation (ft amsl) | Corrected <sup>c</sup> Groundwater Elevation (ft amsl) | Notes |
|-------------|------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|-------|
|-------------|------|----------------------------|--------------------------|------------------------|--|---------------------------------|--|-------|

Notes:

<sup>a</sup> Elevation of zero mark (ft amsl) for surface water staff gauges.

<sup>b</sup> "RS-" and "RT-" features were trimmed to less than 12 inches above ground surface on March 14, 2017. Only the resurveyed top of casing elevation after trimming is displayed. Groundwater elevation calculations are based on the true top of casing elevation at the

<sup>c</sup> Calculated based on an oil: water density ratio of 0.73.

**Bold indicates the gauged product thickness was greater than 0.5 foot.**

- = not applicable

amsl = above mean sea level

BTOC = below top of casing

DRY = well contained no measurable water or product

"B" designation in the location ID indicates bedrock well.

\* = well is not bracketing the water table

amsl = above mean sea level

MW = monitoring well

RW = recovery well

BTOC = below top of casing

NM = not measured

SW = surface water

ft = feet

RS = recovery sump

TW = temporary piezometer well

ID = identification

RT = recovery trench

The following features are no longer reliable for calculating groundwater elevation:

- RS-03 was abandoned on October 19, 2015.
- RS-19 was damaged on or about January 20, 2017.
- RT-2H was covered over on or about January 17, 2017, due to construction efforts in the vicinity.
- TW-46 was damaged on or about December 8, 2016.
- RW-13 is no longer accessible due to health and safety issues.

**Table 3. Product Skimmer Recovery Results - 2019**  
*Plantation Pipe Line Company*  
*Lewis Drive Remediation Site, Belton, South Carolina*  
*Site ID #18693 "Kinder Morgan Belton Pipeline Release"*

| Well Identifier                  | Month 10 Volume Recovered (gal) | Month 11 Volume Recovered (gal) | Month 12 Volume Recovered (gal) | Month 13 Volume Recovered (gal) | Month 14 Volume Recovered (gal) | Month 15 Volume Recovered (gal) | Month 16 Volume Recovered (gal) | Total Recovered to Date (gal) |
|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------|
| Date                             | 1/22/2019                       | 2/19/2019                       | 3/7/2019                        | 4/8/2019                        | 5/16/2019                       | 6/3/2019                        | 9/17/2019                       |                               |
| <b>Product Skimmers</b>          |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                               |
| MW-08                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| MW-15                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| MW-20                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| RS-01                            | -                               | 0.000                           | -                               | -                               | -                               | -                               | -                               | <b>0.000</b>                  |
| RS-02                            | -                               | 0.000                           | -                               | 0.002                           | 0.006                           | -                               | -                               | <b>0.008</b>                  |
| RS-05                            | -                               | 0.000                           | 0.000                           | 0.002                           | 0.002                           | 0.002                           | 0.004                           | <b>0.010</b>                  |
| RS-10                            | -                               | -                               | 0.000                           | -                               | -                               | -                               | -                               | <b>0.000</b>                  |
| RS-14                            | -                               | 0.000                           | 0.000                           | -                               | 0.001                           | -                               | -                               | <b>0.001</b>                  |
| RS-17                            | -                               | -                               | 0.000                           | -                               | -                               | -                               | -                               | <b>0.000</b>                  |
| RW-02                            | -                               | 0.002                           | -                               | -                               | -                               | 0.002                           | -                               | <b>0.003</b>                  |
| RW-03                            | 0.055                           | -                               | 0.141                           | 0.102                           | 0.002                           | 0.070                           | 0.008                           | <b>0.377</b>                  |
| RW-04                            | -                               | -                               | 0.000                           | -                               | -                               | 0.004                           | -                               | <b>0.004</b>                  |
| RW-05                            | -                               | 0.000                           | -                               | -                               | -                               | 0.039                           | 0.063                           | <b>0.102</b>                  |
| RW-07                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| RW-08                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| RW-15                            | -                               | -                               | 0.000                           | -                               | -                               | -                               | -                               | <b>0.000</b>                  |
| RW-10                            | -                               | -                               | 0.000                           | -                               | -                               | -                               | -                               | <b>0.000</b>                  |
| <b>Petroleum-Absorbent Socks</b> |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                               |
| MW-11                            | -                               | -                               | -                               | -                               | -                               | -                               | -                               | -                             |
| RS-08                            | 0.265                           | 0.226                           | 0.025                           | 0.012                           | 0.220                           | -                               | -                               | <b>0.748</b>                  |
| RT-2K                            | -                               | 0.143                           | 0.095                           | -                               | 0.093                           | -                               | -                               | <b>0.332</b>                  |
| RT-1A                            | 0.224                           | 0.208                           | 0.049                           | 0.114                           | 0.235                           | -                               | -                               | <b>0.830</b>                  |
| RT-1B                            | 0.247                           | 0.210                           | 0.063                           | -                               | 0.240                           | -                               | -                               | <b>0.760</b>                  |
| RT-1C                            | 0.224                           | 0.195                           | 0.055                           | 0.121                           | 0.120                           | 0.035                           | -                               | <b>0.751</b>                  |
| <b>Total:</b>                    | <b>1.014</b>                    | <b>0.985</b>                    | <b>0.429</b>                    | <b>0.353</b>                    | <b>0.918</b>                    | <b>0.152</b>                    | <b>0.074</b>                    | <b>3.924</b>                  |

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, Third Quarter 2019**

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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-01                   | 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            |
| SW-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  |              |
| SW-03                   | 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 |              |
| SW-04                   | 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            |
| SW-05                   | --          | 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 |              |
| SW-07                   | --          | 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 |              |
| SW-08                   | 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            |
| SW-09                   | 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            |
| SW-10                   | 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            |
| SW-11                   | 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            |
| SW-12                   | 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            |
| SW-13                   | 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 4A. Analytical Results for Surface Water, Third Quarter 2019**

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      |              |
| <b>Screening Value (µg/L):</b> |             |                |       | <b>2.2</b> | <sup>a</sup> | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>  | <sup>b</sup> | <b>NA</b> | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b> | <sup>b</sup> |
| SW-14                          | 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            |

Notes:

<sup>a</sup> 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.

<sup>b</sup> Screening levels for these analytes are not specified in DHEC R. 61-68.

Samples analyzed by EPA Method SW 8260B.

**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

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 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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| 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 <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 17.6    |              | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 14.9    |              | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 7.00    |              | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-051915 | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 8.80    |              | 10.6       |              | 6.40     |              | 5           | U            | NA   |              |
|                         | SW01-060315 | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-061815 | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-071515 | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-081315 | 8/13/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW01-092415 | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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  | 7.80    |                | 1.50         |              | 13.0    |              | 9.30       |              | 4.60     |              | 1           | U            | NA   |              |
|                         | SW01-122215 | 12/22/2015     | µg/L  | 4.60    |                | 1            | U            | 8.80    |              | 5.50       |              | 3.10     |              | 1           | U            | NA   |              |
|                         | SW01-012516 | 1/25/2016      | µg/L  | 17.6    |                | 2.30         |              | 36.0    |              | 11.3       |              | 6.30     |              | 1           | U            | NA   |              |
|                         | SW01-021816 | 2/18/2016      | µg/L  | 23.4    |                | 3.00         |              | 55.6    |              | 15.0       |              | 9.10     |              | 1           | U            | NA   |              |
|                         | SW01-031616 | 3/16/2016      | µg/L  | 20.1    |                | 2.40         |              | 42.3    |              | 13.3       |              | 7.60     |              | 1           | U            | NA   |              |
|                         | SW01-042716 | 4/27/2016      | µg/L  | 20.8    |                | 1            | U            | 30.6    |              | 2.90       |              | 2.00     |              | 1           | U            | NA   |              |
|                         | SW01-050916 | 5/9/2016       | µg/L  | 16.5    |                | 1.40         |              | 16.3    |              | 7.00       |              | 4.80     |              | 1           | U            | NA   |              |
|                         | SW01-062716 | 6/27/2016      | µg/L  | 9.00    |                | 1            | U            | 3.30    |              | 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  | 5.00    |                | 1            | U            | 10.4    |              | 4.90       |              | 8.30     |              | 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  | 1.00    |                | 1            | U            | 2.30    |              | 2          | U            | 3.50     |              | 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   |              |



**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        |       |
| <b>Screening Value (µg/L):</b> |             |                |             | <b>2.2</b>     | <sup>a</sup>   | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> |             |       |
| SW-01                          | 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            | <b>1.90</b>  |              | 2           | U            | 1           | U            | 5           | U            | NA          |       |
|                                | 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        | <b>1.50</b>    |                | 1            | U            | <b>1.15</b>  |              | 2           | U            | <b>2.14</b> |              | 5           | U            | NA          |       |
|                                | SW01-121417 | 12/14/2017     | µg/L        | <b>4.52</b>    |                | 1            | U            | <b>4.52</b>  |              | <b>3.48</b> |              | <b>3.20</b> |              | 5           | U            | NA          |       |
|                                | SW01-010918 | 1/9/2018       | µg/L        | 1              | U              | 1            | U            | 1            | U            | 2           | U            | <b>1.15</b> |              | 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        | <b>1.15</b>    |                | 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            | <b>1.10</b> |       |
|                                | 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            | <b>1.43</b> |       |
|                                | SW01-071218 | 7/12/2018      | µg/L        | 1              | U              | 1            | U            | 1            | U            | 2           | U            | 1           | U            | 5           | U            | <b>1.09</b> |       |
|                                | SW01-091418 | 9/14/2018      | µg/L        | 1              | U              | 1            | U            | 1            | U            | 2           | U            | 1           | U            | 5           | U            | <b>1.51</b> |       |
|                                | 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           | <b>2.39</b> |                | 1              | U            | 1            | U            | 2            | U           | 1            | U           | 5            | U           | <b>1.56</b>  |             |       |
| SW01-060619                    | 6/6/2019    | µg/L           | 1           | U              | 1              | U            | 1            | U            | 2            | U           | 1            | U           | 5            | U           | <b>1.93</b>  |             |       |
| SW01-071819                    | 7/18/2019   | µg/L           | 1           | U              | 1              | U            | 1            | U            | 2            | U           | 1            | U           | 5            | U           | <b>2.30</b>  |             |       |
| SW01-082019                    | 8/20/2019   | µg/L           | 1           | U              | 1              | U            | 1            | U            | 2            | U           | 1            | U           | 5            | U           | <b>1.31</b>  |             |       |
| SW01-091819                    | 9/18/2019   | 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 <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-030215 | 3/2/2015       | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-031115 | 3/11/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-031815 | 3/18/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-033115 | 3/31/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | <b>6.00</b>  |              | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-042215 | 4/22/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | <b>13.0</b>  |              | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-050715 | 5/7/2015       | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-051915 | 5/19/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-060315 | 6/3/2015       | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-061815 | 6/18/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
|                                | SW02-071515 | 7/15/2015      | µg/L        | 5              | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA          |       |
| SW02-081315                    | 8/13/2015   | µg/L           | 5           | U <sup>c</sup> | 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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| SW-02                   | SW02-092415 | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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  | 6.00    |                | 1.30         |              | 10.0    |              | 7.80       |              | 4.00     |              | 1           | U            | NA   |              |
|                         | SW02-122215 | 12/22/2015     | µg/L  | 4.10    |                | 1            | U            | 7.60    |              | 5.10       |              | 3.10     |              | 1           | U            | NA   |              |
|                         | SW02-012516 | 1/25/2016      | µg/L  | 12.0    |                | 1.50         |              | 25.0    |              | 8.40       |              | 4.60     |              | 1           | U            | NA   |              |
|                         | SW02-021816 | 2/18/2016      | µg/L  | 15.5    |                | 1.80         |              | 35.3    |              | 10.1       |              | 5.90     |              | 1           | U            | NA   |              |
|                         | SW02-031616 | 3/16/2016      | µg/L  | 8.00    |                | 1.00         |              | 17.5    |              | 5.80       |              | 3.90     |              | 1           | U            | NA   |              |
|                         | SW02-042716 | 4/27/2016      | µg/L  | 5.60    |                | 1            | U            | 7.10    |              | 2          | U            | 1        | U            | 1           | U            | NA   |              |
|                         | SW02-050916 | 5/9/2016       | µg/L  | 7.10    |                | 1            | U            | 4.50    |              | 2.20       |              | 1.60     |              | 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  | 5.40    |                | 1            | U            | 1.60    |              | 2.60       |              | 4.80     |              | 1           | U            | NA   |              |
|                         | SW02-122916 | 12/29/2016     | µg/L  | 1       | U              | 1            | U            | 1       | U            | 2          | U            | 1.40     |              | 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            | 8.60    |              | 4.45       |              | 3.60     |              | 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    |                | 1.80         |              | 8.39    |              | 10.2       |              | 7.17     |              | 5           | U            | NA   |              |
|                         | SW02-121417 | 12/14/2017     | µg/L  | 21.1    |                | 1.53         |              | 9.40    |              | 9.74       |              | 7.32     |              | 5           | U            | NA   |              |
|                         | SW02-010918 | 1/9/2018       | µg/L  | 25.0    |                | 1.56         |              | 12.4    |              | 11.0       |              | 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            |
|                         | 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 |              |

**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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |  |
| SW-02                   | 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  | 2.80    |                | 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         |       |              |  |
| 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 <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-030215   | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-031115   | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-031815   | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-033115   | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-042215   | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-050715   | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-051915   | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-060315   | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-061815   | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-071515   | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |  |
|                         | SW03-081315   | 8/13/2015      | µg/L  | 5       | U <sup>c</sup> | 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        |  |
|                         | 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           |       |              |  |

**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): |                 |                |       | <b>2.2</b>  | <sup>a</sup>   | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>  | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> |
| SW-03                   | 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       |              |
| 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       |              |
| SW-04                   | SW-DOWNGRADIENT | 1/20/2015      | µg/L  | <b>95.0</b> |                | <b>27.0</b>  |              | <b>310</b>   |              | <b>110</b> |              | <b>63.0</b> |              | <b>94.0</b> |              | <b>2.70</b> |              |
|                         | SW04-022515     | 2/25/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10         | U            | 5           | U            | 5           | U            | NA          |              |
|                         | SW04-030215     | 3/2/2015       | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10         | U            | 5           | U            | 5           | U            | NA          |              |
|                         | SW04-031115     | 3/11/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10         | U            | 5           | U            | 5           | U            | NA          |              |
|                         | SW04-031815     | 3/18/2015      | µg/L  | 5           | U <sup>c</sup> | 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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| SW-04                   | SW04-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-051915 | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-060315 | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-061815 | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-071515 | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-081315 | 8/13/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW04-092415 | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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  | 1.70    |                | 1            | U            | 2.70    |              | 2.90       |              | 1.60     |              | 1           | U            | NA   |              |
|                         | SW04-122215 | 12/22/2015     | µg/L  | 3.30    |                | 1            | U            | 7.30    |              | 5.20       |              | 2.70     |              | 1           | U            | NA   |              |
|                         | SW04-012516 | 1/25/2016      | µg/L  | 6.90    |                | 1            | U            | 14.0    |              | 4.90       |              | 2.80     |              | 1           | U            | NA   |              |
|                         | SW04-021816 | 2/18/2016      | µg/L  | 10.9    |                | 1.10         |              | 25.4    |              | 7.00       |              | 4.30     |              | 1           | U            | NA   |              |
|                         | SW04-031616 | 3/16/2016      | µg/L  | 1       | U              | 1            | U            | 2.0     |              | 2          | U            | 1.80     |              | 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            | 1.10    |              | 2          | U            | 1        | U            | 1           | U            | NA   |              |
|                         | 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           |      |              |

**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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-04                   | 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            | 1.20  |              |
|                         | 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     |              |
| SW-05                   | SW05-022515 | 2/25/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW05-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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           |       |              |

**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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-05                   | --          | 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 |              |
|                         | --          | 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 |              |

**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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-05                   | --          | 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 |              |
| SW-06                   | SW06-022515 | 2/25/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW06-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW06-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA    |              |
|                         | SW06-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 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 <sup>c</sup> | 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        |       |              |



**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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |    |
| SW-06                   | --          | 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 |              |    |
|                         | --          | 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 <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-051915 | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-060315 | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-061815 | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | 5     | U            | NA |
|                         | SW07-071515 | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | 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            | 1     | U            | NA |
|                         | SW07-112415 | 11/24/2015     | µg/L  | 1       | U              | 1            | U            | 1       | U            | 2          | U            | 1        | 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            | 1     | U            | NA |
|                         | SW07-012516 | 1/25/2016      | µg/L  | 1       | U              | 1            | U            | 1       | U            | 2          | U            | 1        | 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            | 1     | U            | NA |
|                         | SW07-031616 | 3/16/2016      | µg/L  | 1       | U              | 1            | U            | 1       | U            | 2          | U            | 1        | 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           | 1            | U     | NA           |    |
| SW07-050916             | 5/9/2016    | µg/L           | 1     | U       | 1              | U            | 1            | U       | 2            | U          | 1            | 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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-07                   | --          | 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 |              |
|                         | 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 |              |

**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): |             |                |       | <b>2.2</b>  | <sup>a</sup>   | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b> | <sup>b</sup> |
| SW-08                   | SW08-022515 | 2/25/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-030215 | 3/2/2015       | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-031115 | 3/11/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-031815 | 3/18/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-033115 | 3/31/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-042215 | 4/22/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-050715 | 5/7/2015       | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-051915 | 5/19/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-060315 | 6/3/2015       | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-061815 | 6/18/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-071515 | 7/15/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-081315 | 8/13/2015      | µg/L  | 5           | U <sup>c</sup> | 5            | U            | 5            | U            | 10          | U            | 5           | U            | 5           | U            | NA        |              |
|                         | SW08-092415 | 9/24/2015      | µg/L  | 5           | U <sup>c</sup> | 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  | <b>1.60</b> |                | 1            | U            | <b>3.80</b>  |              | <b>2.50</b> |              | <b>1.60</b> |              | 1           | U            | NA        |              |
|                         | SW08-012516 | 1/25/2016      | µg/L  | <b>2.40</b> |                | 1            | U            | <b>5.60</b>  |              | <b>2.00</b> |              | <b>1.30</b> |              | 1           | U            | NA        |              |
|                         | SW08-021816 | 2/18/2016      | µg/L  | <b>2.90</b> |                | 1            | U            | <b>7.60</b>  |              | <b>2.30</b> |              | <b>1.50</b> |              | 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        |              |

**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                   | SW08-071817 | 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   |   |
|                         | 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    |   |
| SW-09                   | SW09-022515 | 2/25/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-051915 | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-060315 | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-061815 | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-071515 | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-081315 | 8/13/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U    | 5       | U    | 10         | U    | 5        | U | 5           | U  | NA   |   |
|                         | SW09-092415 | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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           | 2.10  |         | 1              | U            | 4.80 |         | 3.30 |            | 2.10 |          | 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        |              |
| <b>Screening Value (µg/L):</b> |             |                |       | <b>2.2</b>  | <sup>a</sup> | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> |
| SW-09                          | SW09-012516 | 1/25/2016      | µg/L  | <b>3.30</b> |              | 1            | U            | <b>7.10</b>  |              | <b>2.40</b> |              | <b>1.50</b> |              | 1           | U            | NA          |              |
|                                | SW09-021816 | 2/18/2016      | µg/L  | <b>2.20</b> |              | 1            | U            | <b>5.90</b>  |              | 2           | U            | <b>1.20</b> |              | 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            |
|                                | 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  | <b>1.88</b> |              | 1            | U            | 1            | U            | 2           | U            | 1           | U            | 5           | U            | <b>1.07</b> |              |
|                                | SW09-051519 | 5/15/2019      | 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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| SW-09                   | 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            |
| SW-10                   | SW10-022515 | 2/25/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-030215 | 3/2/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-031115 | 3/11/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-031815 | 3/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-033115 | 3/31/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-042215 | 4/22/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-050715 | 5/7/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-051915 | 5/19/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-060315 | 6/3/2015       | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-061815 | 6/18/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-071515 | 7/15/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-081315 | 8/13/2015      | µg/L  | 5       | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW10-092415 | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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   |              |
|                         | 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           |      |              |

**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            | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| SW-10                   | 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    |              |
| SW-11                   | SW11-022515  | 2/25/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-030215  | 3/2/2015       | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-031115  | 3/11/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-031815  | 3/18/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-033115  | 3/31/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-042215  | 4/22/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-050715  | 5/7/2015       | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-051915  | 5/19/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-060315  | 6/3/2015       | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
|                         | SW11-061815  | 6/18/2015      | µg/L  | 5              | U <sup>c</sup> | 5            | U            | 5       | U            | 10         | U            | 5        | U            | 5           | U            | NA   |              |
| SW11-071515             | 7/15/2015    | µg/L           | 5     | U <sup>c</sup> | 5              | U            | 5            | U       | 10           | U          | 5            | U        | 5            | U           | NA           |      |              |
| SW11-081315             | 8/13/2015    | µg/L           | 5     | U <sup>c</sup> | 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     | <sup>a</sup>   | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| SW-11                   | SW11-092415  | 9/24/2015      | µg/L  | 5       | U <sup>c</sup> | 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   |              |
|                         | 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            |



**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                   | SW11-091418 | 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 |
| 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   |   |
|                         | SW12-103116 | 10/31/2016     | µg/L  | 165     |   | 17.7         |   | 302     |      | 103        |      | 58.2     |   | 4.70        |   | 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        |      | 58.0     |   | 3.80        |   | 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    |      | 42.0       |      | 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  | 65.1    |   | 5.78         |   | 116     |      | 43.3       |      | 24.8     |   | 5           | U | NA   |   |
|                         | SW12-080217 | 8/2/2017       | µg/L  | 125     |   | 14.7         |   | 204     |      | 102        |      | 67.0     |   | 5           | U | NA   |   |
|                         | SW12-090517 | 9/5/2017       | µg/L  | 46.7    |   | 4.72         |   | 72.0    |      | 39.0       |      | 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    |      | 18.0       |      | 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    |   |

**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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-12                   | --          | 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            |
| SW-13                   | SW12-091819 | 9/18/2019      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 5           | U            | 1     | U            |
|                         | 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            | 1.40  |              |
|                         | 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         |       |              |

**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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| SW-13                   | 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 |              |
| 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     |              |
| FP-01                   | FP01-031616 | 3/16/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-042716 | 4/27/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-050916 | 5/9/2016       | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-062716 | 6/27/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-072816 | 7/28/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-081916 | 8/19/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-092916 | 9/29/2016      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-103116 | 10/31/2016     | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-112816 | 11/28/2016     | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
|                         | FP01-122916 | 12/29/2016     | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 1           | U            | NA    |              |
| FP01-012017             | 1/20/2017   | 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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA   | <sup>b</sup> |
| FP-01                   | FP01-022817  | 2/28/2017      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 5           | U            | NA   |              |
|                         | FP01-031517  | 3/15/2017      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 5           | U            | NA   |              |
|                         | FP-01-032117 | 3/21/2017      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 5           | U            | NA   |              |
|                         | 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    |              |
| 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           |      |              |

**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     | <sup>a</sup> | 530          | <sup>a</sup> | 1,000   | <sup>a</sup> | NA         | <sup>b</sup> | NA       | <sup>b</sup> | NA          | <sup>b</sup> | NA    | <sup>b</sup> |
| FP-02                   | FP-02-061317 | 6/13/2017      | µg/L  | 1       | U            | 1            | U            | 1       | U            | 2          | U            | 1        | U            | 5           | U            | NA    |              |
|                         | 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     |              |
| 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           |       |              |

**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      |              |
| <b>Screening Value (µg/L):</b> |             |                |       | <b>2.2</b> | <sup>a</sup> | <b>530</b>   | <sup>a</sup> | <b>1,000</b> | <sup>a</sup> | <b>NA</b>  | <sup>b</sup> | <b>NA</b> | <sup>b</sup> | <b>NA</b>   | <sup>b</sup> | <b>NA</b> | <sup>b</sup> |
| FP-03                          | 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            |
|                                | 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            |

Notes:

<sup>a</sup> 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.

<sup>b</sup> Screening levels for these analytes are not specified in DHEC R. 61-68.

<sup>c</sup> 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 Method SW 8260B.

**Gray shading indicates the analyte exceeded its screening value.**

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, Third Quarter 2019**  
*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 |            |                |             |                |             |                |             |
| <b>RBSL<sup>2</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>   |              | <b>700</b>   |               | <b>1,000</b>  |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b>   |                | <b>25</b>   |                | <b>0.05</b> |
| MW-01                    | MW-01-091919  | 9/19/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 1             | U   | 5          | U              | --          |                | 5           | U              | --          |
| MW-01B                   | MW-01B-091919 | 9/19/2019   | µg/L        | <b>1.53</b>  |              | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-02                    | MW-02-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-02B                   | MW-02B-091819 | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-03                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW        |               | NS-IW         |      | NS-IW         |     | NS-IW      |                | NS-IW       |                | NS-IW       |                | NS-IW       |
| MW-04                    | MW-04-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-05                    | MW-05-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-06                    | MW-06-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-06B                   | MW-06B-091819 | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | <b>3.52</b>   |      | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-07                    | MW-07-082019  | 8/20/2019   | µg/L        | <b>2,120</b> |              | <b>340</b>   |               | <b>4,750</b>  |      | <b>3,650</b>  |     | 50         | U <sup>b</sup> | 50          | U <sup>b</sup> | 250         | U <sup>b</sup> | --          |
|                          | MW-07-091919  | 9/19/2019   | µg/L        | <b>1,580</b> |              | <b>148</b>   |               | <b>2,550</b>  |      | <b>2,160</b>  |     | 50         | U <sup>b</sup> | 50          | U <sup>b</sup> | 250         | U <sup>b</sup> | --          |
| MW-08                    | MW-08-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-09                    | MW-09-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | <b>1.48</b> |                | 5           | U              | --          |
| MW-09B                   | MW-09B-091819 | 9/18/2019   | µg/L        | <b>3.08</b>  |              | <b>3.04</b>  |               | <b>11.4</b>   |      | <b>22.6</b>   |     | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-10                    | MW-10-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-11                    | MW-11-091919  | 9/19/2019   | µg/L        | <b>7,950</b> |              | <b>2,570</b> |               | <b>33,700</b> |      | <b>14,300</b> |     | 500        | U <sup>b</sup> | 500         | U <sup>b</sup> | 2,500       | U <sup>b</sup> | --          |
| MW-12                    | MW-12-091919  | 9/19/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-12B                   | MW-12B-082219 | 8/22/2019   | µg/L        | <b>27.0</b>  |              | <b>3.54</b>  |               | 1             | U    | 3             | U   | 1          | U              | 1           | U              | <b>5.94</b> |                | --          |
|                          | MW-12B-091919 | 9/19/2019   | µg/L        | <b>23.1</b>  |              | <b>2.33</b>  |               | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-13                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW        |               | NS-IW         |      | NS-IW         |     | NS-IW      |                | NS-IW       |                | NS-IW       |                | NS-IW       |
| MW-13B                   | MW-13B-091819 | 9/18/2019   | µg/L        | <b>408</b>   |              | <b>71.2</b>  |               | <b>325</b>    |      | <b>446</b>    |     | 1          | U              | <b>142</b>  |                | <b>14.0</b> |                | --          |
| MW-14                    | MW-14-091819  | 9/18/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | <b>2.02</b> |                | 5           | U              | --          |
| MW-14B                   | MW-14B-091819 | 9/18/2019   | µg/L        | <b>1.74</b>  |              | 1            | U             | 1             | U    | <b>4.57</b>   |     | 1          | U              | <b>11.1</b> |                | 5           | U              | --          |
| MW-15                    | MW-15-091919  | 9/19/2019   | µg/L        | <b>1.25</b>  |              | 1            | U             | 1             | U    | 3             | U   | 1          | U              | <b>4.73</b> |                | 5           | U              | --          |
| MW-15B                   | MW-15B-082219 | 8/22/2019   | µg/L        | <b>2,340</b> |              | 200          | U             | <b>3,060</b>  |      | <b>1,440</b>  |     | 1          | U              | <b>139</b>  |                | <b>33.5</b> |                | --          |
|                          | MW-15B-091919 | 9/19/2019   | µg/L        | <b>3,870</b> |              | <b>260</b>   |               | <b>3,920</b>  |      | <b>2,720</b>  |     | 100        | U <sup>b</sup> | <b>188</b>  |                | 500         | U <sup>b</sup> | --          |
| MW-16                    | MW-16-091819  | 9/18/2019   | µg/L        | <b>8.36</b>  |              | <b>5.80</b>  |               | <b>73.9</b>   |      | <b>118</b>    |     | 1          | U              | 1           | U              | <b>132</b>  |                | --          |
| MW-17                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW        |               | NS-IW         |      | NS-IW         |     | NS-IW      |                | NS-IW       |                | NS-IW       |                | NS-IW       |
| MW-17B                   | MW-17B-082219 | 8/22/2019   | µg/L        | <b>7,700</b> |              | <b>1,570</b> |               | <b>17,600</b> |      | <b>9,110</b>  |     | 5          | U              | <b>335</b>  |                | <b>201</b>  |                | --          |
|                          | MW-17B-091919 | 9/19/2019   | µg/L        | <b>7,700</b> |              | <b>833</b>   |               | <b>12,000</b> |      | <b>8,740</b>  |     | 10         | U <sup>b</sup> | <b>665</b>  |                | <b>195</b>  |                | --          |
| MW-18                    | MW-18-091819  | 9/18/2019   | µg/L        | 1            | U            | <b>1.30</b>  |               | <b>10.7</b>   |      | <b>37.4</b>   |     | 1          | U              | <b>15.4</b> |                | <b>48.7</b> |                | --          |
| MW-19                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW        |               | NS-IW         |      | NS-IW         |     | NS-IW      |                | NS-IW       |                | NS-IW       |                | NS-IW       |
| MW-20                    | MW-20-082019  | 8/20/2019   | µg/L        | <b>7,920</b> |              | <b>1,160</b> |               | <b>15,900</b> |      | <b>10,300</b> |     | 100        | U <sup>b</sup> | <b>238</b>  |                | 500         | U <sup>b</sup> | --          |
|                          | --            | 9/16/2019   | --          | NS-FP        |              | NS-FP        |               | NS-FP         |      | NS-FP         |     | NS-FP      |                | NS-FP       |                | NS-FP       |                | NS-FP       |
| MW-21                    | MW-21-091919  | 9/19/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |
| MW-22                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW        |               | NS-IW         |      | NS-IW         |     | NS-IW      |                | NS-IW       |                | NS-IW       |                | NS-IW       |
| MW-23                    | MW-23-082119  | 8/21/2019   | µg/L        | <b>1,860</b> |              | <b>82.8</b>  |               | <b>507</b>    |      | <b>1,190</b>  |     | 10         | U <sup>b</sup> | <b>88.7</b> |                | 50          | U <sup>b</sup> | --          |
|                          | MW-23-091919  | 9/19/2019   | µg/L        | <b>2,950</b> |              | <b>192</b>   |               | <b>1,060</b>  |      | <b>2,210</b>  |     | 5          | U              | <b>99.9</b> |                | <b>38.4</b> |                | --          |
| MW-23B                   | MW-23B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1            | U             | 1             | U    | 3             | U   | 1          | U              | 1           | U              | 5           | U              | --          |

**Table 5A. Analytical Results for Groundwater, Third Quarter 2019**

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 |            |                |             |   |             |                |             |
| <b>RBSL<sup>2</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>   |              | <b>700</b>  |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b>   |   | <b>25</b>   |                | <b>0.05</b> |
| MW-24                    | MW-24-091719  | 9/17/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-24B                   | MW-24B-091719 | 9/17/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-25                    | MW-25-091919  | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-25B                   | MW-25B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-26                    | 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-26B                   | MW-26B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-27                    | MW-27-091919  | 9/19/2019   | µg/L        | <b>1.04</b>  |              | 1           | U             | <b>1.09</b>  |      | <b>5.00</b>   |     | 1          | U              | 1           | U | 5           | U              | --          |
| MW-27B                   | MW-27B-091919 | 9/19/2019   | µg/L        | 1            | U            | <b>2.05</b> |               | <b>3.87</b>  |      | <b>16.2</b>   |     | 1          | U              | 1           | U | 5           | U              | --          |
| MW-28                    | MW-28-091719  | 9/17/2019   | µg/L        | <b>1.68</b>  |              | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-29                    | MW-29-091919  | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-30                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW       |               | NS-IW        |      | NS-IW         |     | NS-IW      |                | NS-IW       |   | NS-IW       |                | NS-IW       |
| MW-31                    | MW-31-091819  | 9/18/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-32                    | MW-32-091819  | 9/18/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-33T                   | MW-33T-091819 | 9/18/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-34                    | MW-34-082219  | 8/22/2019   | µg/L        | <b>102</b>   |              | 5           | U             | 5            | U    | 15            | U   | 1          | U              | <b>207</b>  |   | <b>5.05</b> |                | --          |
|                          | MW-34-091919  | 9/19/2019   | µg/L        | <b>12.9</b>  |              | 1           | U             | 1            | U    | 3             | U   | 1          | U              | <b>109</b>  |   | 5           | U              | --          |
| MW-35                    | MW-35-091719  | 9/17/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-36                    | MW-36-081919  | 8/19/2019   | µg/L        | <b>484</b>   |              | 20          | U             | <b>27.5</b>  |      | <b>197</b>    |     | 20         | U <sup>b</sup> | 20          | U | 100         | U <sup>b</sup> | --          |
|                          | MW-36-091919  | 9/19/2019   | µg/L        | <b>360</b>   |              | 10          | U             | <b>46.0</b>  |      | <b>188</b>    |     | 10         | U <sup>b</sup> | 10          | U | 50          | U <sup>b</sup> | --          |
| MW-36B                   | MW-36B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-37                    | MW-37-071819  | 7/18/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
|                          | 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-38                    | MW-38-071819  | 7/18/2019   | µg/L        | <b>1,260</b> |              | 1           | U             | <b>3.27</b>  |      | <b>308</b>    |     | 1          | U              | <b>104</b>  |   | <b>16.2</b> |                | --          |
|                          | MW-38-082019  | 8/20/2019   | µg/L        | <b>1,030</b> |              | 10          | U             | 10           | U    | <b>279</b>    |     | 10         | U <sup>b</sup> | <b>116</b>  |   | 50          | U <sup>b</sup> | --          |
|                          | MW-38-091719  | 9/17/2019   | µg/L        | <b>40.2</b>  |              | 10          | U             | 10           | U    | 30            | U   | 10         | U <sup>b</sup> | <b>88.2</b> |   | 50          | U <sup>b</sup> | --          |
| MW-39                    | MW-39-081919  | 8/19/2019   | µg/L        | <b>10.9</b>  |              | 1           | U             | 1            | U    | <b>5.35</b>   |     | 1          | U              | <b>162</b>  |   | 5           | U              | --          |
|                          | MW-39-091919  | 9/19/2019   | µg/L        | <b>1.67</b>  |              | 1           | U             | 1            | U    | 3             | U   | 1          | U              | <b>121</b>  |   | 5           | U              | --          |
| MW-40                    | MW-40-082119  | 8/21/2019   | µg/L        | <b>2.56</b>  |              | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
|                          | MW-40-091919  | 9/19/2019   | µg/L        | <b>4.50</b>  |              | 1           | U             | <b>3.17</b>  |      | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-41                    | 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-42                    | MW-42-091919  | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-43                    | MW-43-091719  | 9/17/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-43B                   | MW-43B-091719 | 9/17/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-44                    | --            | 9/16/2019   | --          | NS-IW        |              | NS-IW       |               | NS-IW        |      | NS-IW         |     | NS-IW      |                | NS-IW       |   | NS-IW       |                | NS-IW       |
| MW-44B                   | MW-44B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
| MW-45                    | MW-45-091719  | 9/17/2019   | µg/L        | <b>5.24</b>  |              | 1           | U             | 1            | U    | 1             | U   | 1          | U              | <b>103</b>  |   | 5           | U              | --          |
| MW-45B                   | MW-45B-091919 | 9/19/2019   | µg/L        | 1            | U            | 1           | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |



**Table 5A. Analytical Results for Groundwater, Third Quarter 2019**

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 <sup>a</sup> : |               |             | µg/L  | 5.0     | 700          | 1,000   | 10,000        | 5.0     | 40   | 25             | 0.05 |      |                |    |    |    |
| MW-46               | 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            | 226     | 25   | U <sup>b</sup> | 191  | 125  | U <sup>b</sup> | -- |    |    |
|                     | MW-46-091719  | 9/17/2019   | µg/L  | 705     | 25           | U       | 26.1          | 150     | 25   | U <sup>b</sup> | 175  | 125  | U <sup>b</sup> | -- |    |    |
| MW-47               | MW-47-091819  | 9/18/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-48B              | MW-48B-091819 | 9/18/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1.14 | 5              | U  | -- |    |
| MW-49               | MW-49-091719  | 9/17/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-50B              | MW-50B-091819 | 9/18/2019   | µg/L  | 25.6    | 1            | U       | 1.20          | 3       | U    | 1              | U    | 43.1 | 5              | U  | -- |    |
| MW-51               | MW-51-081919  | 8/19/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-52               | MW-52-081919  | 8/19/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 2.01 | 5              | U  | -- |    |
| MW-53               | MW-53-081919  | 8/19/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-54               | MW-54-081919  | 8/19/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-55               | MW-55-081919  | 8/19/2019   | µg/L  | 1       | U            | 1       | U             | 3       | U    | 1              | U    | 1    | U              | 5  | U  | -- |
| MW-56               | 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            | 91.1    | 10   | U <sup>b</sup> | 134  | 50   | U <sup>b</sup> | -- |    |    |
|                     | MW-56-091719  | 9/17/2019   | µg/L  | 30.1    | 1            | U       | 1             | 8.51    | 1    | U              | 137  | 5    | U              | -- |    |    |
| MW-57               | MW-57-071719  | 7/17/2019   | µg/L  | 1,330   | 3.63         | U       | 22.9          | 341     | 1    | U              | 186  | 19.8 | --             |    |    |    |
|                     | MW-57-082119  | 8/21/2019   | µg/L  | 584     | 10           | U       | 10            | 76.2    | 10   | U <sup>b</sup> | 183  | 50   | U <sup>b</sup> | -- |    |    |
|                     | MW-57-091719  | 9/17/2019   | µg/L  | 71.8    | 10           | U       | 10            | 30      | 10   | U <sup>b</sup> | 74.6 | 50   | U <sup>b</sup> | -- |    |    |

Notes:

<sup>a</sup> 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.

<sup>b</sup> 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 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

BCPZ = Brown's Creek Protection Zone

CCPZ = Cupboard Creek Protection Zone

SBZ = Shallow Bedrock Zone

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 observation of product sheen in 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         |       |                |             |                |             |                |       |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>   | <b>700</b>     | <b>1,000</b> | <b>10,000</b> | <b>5.0</b>    | <b>40</b> | <b>25</b>     | <b>0.05</b> |       |                |             |                |             |                |       |   |
| MW-01                    | MW-01-072715  | 7/27/2015   | µg/L        | 5            | U <sup>b</sup> | 5            | U             | 5             | U         | 10            | U           | 5     | U <sup>b</sup> | 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        | <b>1.85</b>  |                | 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        | <b>2.02</b>  |                | 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-01B                   | MW-01B-080415 | 8/4/2015    | µg/L        | 5            | U <sup>b</sup> | 5            | U             | 5             | U         | 10            | U           | 5     | U <sup>b</sup> | 5           | U              | 5           | U              | 0.02  | 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             | <b>1.4</b>    |           | <b>5.6</b>    |             | 1     | U              | 1           | U              | <b>1.3</b>  |                | --    |   |
|                          | MW-01B-062817 | 6/28/2017   | µg/L        | 1            | U              | 1            | U             | 1             | U         | 3             | U           | 1     | U              | 1           | U              | 5           | U              | --    |   |
|                          | 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        | <b>3.51</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | 1           | U              | 5           | U              | --    |   |
|                          | MW-01B-060518 | 6/5/2018    | µg/L        | <b>8.96</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | 1           | U              | 5           | U              | --    |   |
|                          | MW-01B-091118 | 9/11/2018   | µg/L        | <b>11.1</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | 1           | U              | 5           | U              | --    |   |
|                          | MW-01B-120518 | 12/5/2018   | µg/L        | <b>8.30</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | 1           | U              | 5           | U              | --    |   |
|                          | MW-01B-030519 | 3/5/2019    | µg/L        | <b>3.32</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | <b>1.02</b> |                | 5           | U              | --    |   |
|                          | MW-01B-060519 | 6/5/2019    | µg/L        | <b>1.82</b>  |                | 1            | U             | 1             | U         | 3             | U           | 1     | U              | <b>1.00</b> |                | 5           | U              | --    |   |
| MW-01B-091919            | 9/19/2019     | µg/L        | <b>1.53</b> |              | 1              | U            | 1             | U             | 3         | U             | 1           | U     | 1              | U           | 5              | U           | --             |       |   |
| MW-02                    | MW-02-072715  | 7/27/2015   | µg/L        | <b>4,320</b> |                | 625          | U             | <b>9,670</b>  |           | <b>2,460</b>  |             | 5     | U <sup>b</sup> | <b>171</b>  |                | <b>74.7</b> |                | 0.02  | U |
|                          | MW-02-012616  | 1/26/2016   | µg/L        | <b>9,500</b> |                | <b>1,160</b> |               | <b>25,000</b> |           | <b>6,310</b>  |             | 50    | U <sup>b</sup> | <b>285</b>  |                | <b>139</b>  |                | 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        | <b>8,040</b> |                | <b>833</b>   |               | <b>27,100</b> |           | <b>9,890</b>  |             | 250   | U <sup>b</sup> | 250         | U <sup>b</sup> | 1,250       | U <sup>b</sup> | --    |   |
|                          | MW-02-090817  | 9/8/2017    | µg/L        | <b>2,340</b> |                | <b>181</b>   |               | <b>7,120</b>  |           | <b>8,510</b>  |             | 50    | U <sup>b</sup> | 50          | U <sup>b</sup> | <b>389</b>  |                | --    |   |
|                          | MW-02-100417  | 10/4/2017   | µg/L        | <b>3,510</b> |                | <b>306</b>   |               | <b>11,900</b> |           | <b>11,200</b> |             | 50    | U <sup>b</sup> | <b>53.9</b> |                | 250         | U <sup>b</sup> | --    |   |
|                          | MW-02-110817  | 11/8/2017   | µg/L        | <b>850</b>   |                | 100          | U             | <b>1,370</b>  |           | <b>3,520</b>  |             | 100   | U <sup>b</sup> | 100         | U <sup>b</sup> | 500         | U <sup>b</sup> | --    |   |
|                          | MW-02-120717  | 12/7/2017   | µg/L        | <b>153</b>   |                | <b>15.1</b>  |               | <b>313</b>    |           | <b>441</b>    |             | 1     | U              | <b>70.9</b> |                | <b>12.8</b> |                | --    |   |
|                          | MW-02-010918  | 1/9/2018    | µg/L        | <b>307</b>   |                | 10           | U             | <b>878</b>    |           | <b>1,300</b>  |             | 10    | U <sup>b</sup> | <b>61.8</b> |                | <b>63.7</b> |                | --    |   |
|                          | MW-02-020618  | 2/6/2018    | µg/L        | <b>30.5</b>  |                | <b>1.09</b>  |               | <b>29.6</b>   |           | <b>88.3</b>   |             | 1     | U              | <b>32.0</b> |                | 5           | U              | --    |   |
|                          | MW-02-030718  | 3/7/2018    | µg/L        | <b>131</b>   |                | <b>34.1</b>  |               | <b>594</b>    |           | <b>442</b>    |             | 1     | U              | <b>27.6</b> |                | <b>34.5</b> |                | --    |   |
|                          | MW-02-040618  | 4/6/2018    | µg/L        | <b>72.5</b>  |                | <b>8.96</b>  |               | <b>94.7</b>   |           | <b>501</b>    |             | 1     | U              | <b>18.4</b> |                | 5           | U              | --    |   |
|                          | MW-02-050318  | 5/3/2018    | µg/L        | <b>35.4</b>  |                | <b>7.50</b>  |               | <b>14.9</b>   |           | <b>163</b>    |             | 1     | U              | <b>7.95</b> |                | 5           | U              | --    |   |
|                          | MW-02-060618  | 6/6/2018    | µg/L        | 1            | U              | 1            | U             | <b>3.19</b>   |           | <b>3.70</b>   |             | 1     | U              | <b>1.25</b> |                | 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           | --             |       |   |

**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 |            |                |             |   |             |   |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>  |                | <b>700</b>  |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b>   |   | <b>25</b>   |   | <b>0.05</b> |   |
| MW-02                    | 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-02B                   | MW-02B-080415 | 8/4/2015    | µg/L        | 5           | U <sup>b</sup> | 5           | U             | 5            | U    | 10            | U   | 5          | U <sup>b</sup> | 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             | <b>4.8</b>   |      | <b>4.6</b>    |     | 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             | <b>1.11</b>  |      | 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-03                    | MW-03-072715  | 7/27/2015   | µg/L        | 5           | U <sup>b</sup> | 5           | U             | 5            | U    | 10            | U   | 5          | U <sup>b</sup> | 5           | U | 5           | U | 0.02        | U |
|                          | MW-03-012516  | 1/25/2016   | µg/L        | <b>108</b>  |                | <b>20.1</b> |               | <b>958</b>   |      | <b>598</b>    |     | 1          | U              | 1           | U | <b>11.1</b> |   | 0.02        | U |
|                          | MW-03-120616  | 12/6/2016   | µg/L        | <b>61.1</b> |                | <b>25.1</b> |               | <b>229</b>   |      | <b>330</b>    |     | 2          | U              | 2           | U | <b>3.60</b> |   | --          |   |
|                          | MW-03-062917  | 6/29/2017   | µg/L        | <b>10.9</b> |                | 1           | U             | <b>24.6</b>  |      | <b>6.98</b>   |     | 1          | U              | <b>2.34</b> |   | 5           | U | --          |   |
|                          | --            | 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       |   |

**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         |       |                |       |   |       |    |       |   |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>     | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b> |       |                |       |   |       |    |       |   |
| MW-04                    | MW-04-072815 | 7/28/2015   | µg/L        | 5          | U <sup>b</sup> | 5            | U             | 5          | U         | 10          | U           | 5     | U <sup>b</sup> | 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-05                    | MW-05-072815 | 7/28/2015   | µg/L        | 5          | U <sup>b</sup> | 5            | U             | 5          | U         | 10          | U           | 5     | U <sup>b</sup> | 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 |   |
|                          | 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-06                    | MW-06-072815 | 7/28/2015   | µg/L        | 5          | U <sup>b</sup> | 5            | U             | 5          | U         | 10          | U           | 5     | U <sup>b</sup> | 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  | --    |   |

**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 |                |                |                |                |                |                |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b>  | <b>5.0</b>   |                | <b>700</b> |               | <b>1,000</b>  |              | <b>10,000</b> |     | <b>5.0</b>     |                | <b>40</b>      |                | <b>25</b>      |                | <b>0.05</b> |   |
| MW-06                    | 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-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             | <b>3.63</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-060718 | 6/7/2018    | µg/L         | 1            | U              | 1          | U             | <b>4.69</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-091318 | 9/13/2018   | µg/L         | 1            | U              | 1          | U             | <b>1.17</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-120618 | 12/6/2018   | µg/L         | 1            | U              | 1          | U             | <b>1.89</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-030719 | 3/7/2019    | µg/L         | 1            | U              | 1          | U             | <b>1.42</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-060419 | 6/4/2019    | µg/L         | 1            | U              | 1          | U             | <b>4.53</b>   |              | 3             | U   | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-06B-091819 | 9/18/2019   | µg/L         | 1            | U              | 1          | U             | <b>3.52</b>   |              | 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         | <b>1,060</b> |                | <b>389</b> |               | <b>5,210</b>  |              | <b>2,620</b>  |     | 40             | U <sup>b</sup> | 40             | U <sup>b</sup> | 40             | U <sup>b</sup> | 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         | <b>4,290</b> |                | <b>629</b> |               | <b>17,700</b> |              | <b>4,990</b>  |     | 250            | U <sup>b</sup> | 250            | U <sup>b</sup> | 1,250          | U <sup>b</sup> | --          |   |
|                          | --            | 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         | <b>4,550</b> |                | <b>802</b> |               | <b>14,100</b> |              | <b>7,520</b>  |     | 50             | U <sup>b</sup> | 50             | U <sup>b</sup> | 250            | U <sup>b</sup> | --          |   |
|                          | --            | 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         | <b>6,330</b> |                | <b>662</b> |               | <b>16,500</b> |              | <b>9,060</b>  |     | 250            | U <sup>b</sup> | 250            | U <sup>b</sup> | 1,250          | U <sup>b</sup> | --          |   |
|                          | --            | 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         | <b>4,620</b> |                | <b>639</b> |               | <b>13,600</b> |              | <b>6,180</b>  |     | 1              | U              | 1              | U              | <b>82.5</b>    |                | --          |   |
|                          | MW-07-120618  | 12/6/2018   | µg/L         | <b>4,850</b> |                | <b>574</b> |               | <b>13,400</b> |              | <b>9,890</b>  |     | 100            | U <sup>b</sup> | 100            | U <sup>b</sup> | 500            | U <sup>b</sup> | --          |   |
|                          | MW-07-021919  | 2/19/2019   | µg/L         | <b>5,360</b> |                | <b>516</b> |               | <b>12,400</b> |              | <b>7,280</b>  |     | 1              | U              | 1              | U              | <b>6.32</b>    |                | --          |   |
|                          | MW-07-030719  | 3/7/2019    | µg/L         | <b>3,110</b> |                | <b>147</b> |               | <b>5,780</b>  |              | <b>4,110</b>  |     | 1              | U              | 1              | U              | 5              | U              | --          |   |
|                          | MW-07-051519  | 5/15/2019   | µg/L         | <b>2,030</b> |                | <b>169</b> |               | <b>3,440</b>  |              | <b>3,110</b>  |     | 1              | U              | 1              | U              | <b>9.44</b>    |                | --          |   |
|                          | MW-07-060419  | 6/4/2019    | µg/L         | <b>1,940</b> |                | <b>168</b> |               | <b>3,390</b>  |              | <b>2,740</b>  |     | 1              | U              | 1              | U              | <b>6.90</b>    |                | --          |   |
| MW-07-082019             | 8/20/2019     | µg/L        | <b>2,120</b> |              | <b>340</b>     |            | <b>4,750</b>  |               | <b>3,650</b> |               | 50  | U <sup>b</sup> | 50             | U <sup>b</sup> | 250            | U <sup>b</sup> | --             |             |   |
| MW-07-091919             | 9/19/2019     | µg/L        | <b>1,580</b> |              | <b>148</b>     |            | <b>2,550</b>  |               | <b>2,160</b> |               | 50  | U <sup>b</sup> | 50             | U <sup>b</sup> | 250            | U <sup>b</sup> | --             |             |   |
| MW-08                    | --            | 7/28/2015   | µg/L         | 5            | U <sup>b</sup> | 5          | U             | 5             | U            | 10            | U   | 5              | U <sup>b</sup> | 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             | <b>14.4</b>   |              | <b>7.10</b>   |     | 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              | --          |   |

**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 |            |                |           |                |           |                |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |                | <b>700</b> |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b> |                | <b>25</b> |                | <b>0.05</b> |   |
| MW-08                    | 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-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 <sup>b</sup> | 200       | U <sup>b</sup> | 1,000     | U <sup>b</sup> | --          |   |
|                          | --            | 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-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              | --          |   |
|                          | 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-091819 | 9/18/2019   | µg/L        | 3.08       |                | 3.04       |               | 11.4         |      | 22.6          |     | 1          | U              | 1         | U              | 5         | U              | --          |   |
| MW-10                    | MW-10-072815  | 7/28/2015   | µg/L        | 5          | U <sup>b</sup> | 5          | U             | 5            | U    | 10            | U   | 5          | U <sup>b</sup> | 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              | --          |   |

**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 |            |                |           |                |           |    |                |    |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> |              | <b>700</b> |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b> |                | <b>25</b> |    | <b>0.05</b>    |    |
| MW-10                    | 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-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 <sup>b</sup> | 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 <sup>b</sup> | 147       |                | 500       |    | U <sup>b</sup> | -- |
|                          | --           | 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          |    |
|                          | --           | 9/10/2018   | --          | 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 <sup>b</sup> | 200       | U <sup>b</sup> | 1,000     |    | U <sup>b</sup> | -- |
|                          | MW-11-060519 | 6/5/2019    | µg/L        | 6,940      |              | 1,660      |               | 22,500       |      | 9,020         |     | 200        | U <sup>b</sup> | 200       | U <sup>b</sup> | 1,000     |    | U <sup>b</sup> | -- |
|                          | MW-11-091919 | 9/19/2019   | µg/L        | 7,950      |              | 2,570      |               | 33,700       |      | 14,300        |     | 500        | U <sup>b</sup> | 500       | U <sup>b</sup> | 2,500     |    | U <sup>b</sup> | -- |
| MW-12                    | MW-12-072815 | 7/28/2015   | µg/L        | 51.3       |              | 5          | U             | 22.9         |      | 39.2          |     | 5          | U <sup>b</sup> | 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 <sup>b</sup> | 50        | U <sup>b</sup> | 250       |    | U <sup>b</sup> | -- |
|                          | MW-12-090817 | 9/8/2017    | µg/L        | 648        |              | 436        |               | 3,470        |      | 4,440         |     | 100        | U <sup>b</sup> | 100       | U <sup>b</sup> | 500       |    | U <sup>b</sup> | -- |
|                          | MW-12-120617 | 12/6/2017   | µg/L        | 367        |              | 137        |               | 1,540        |      | 4,660         |     | 10         | U <sup>b</sup> | 10        | U              | 54.4      |    | U <sup>b</sup> | -- |
|                          | MW-12-030818 | 3/8/2018    | µg/L        | 486        |              | 25.2       |               | 1,880        |      | 1,980         |     | 10         | U <sup>b</sup> | 10        | U              | 50        |    | U <sup>b</sup> | -- |
|                          | 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         | -- |                |    |

**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         |       |       |       |      |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b>      | <b>25</b>   | <b>0.05</b> |       |       |       |      |
| 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     | --    |      |
|                          | MW-12B-031417 | 3/14/2017   | µg/L        | 1          | U            | 1            | U             | 3          | U              | 1           | U           | 1     | U     | 5     |      |
|                          | MW-12B-032017 | 3/20/2017   | µg/L        | 1          | U            | 1            | U             | 3          | U              | 1           | U           | 1     | U     | 5     |      |
|                          | MW-12B-033117 | 3/31/2017   | µg/L        | 1          | U            | 1            | U             | 3          | U              | 1           | U           | 1     | U     | 5     |      |
|                          | MW-12B-040617 | 4/6/2017    | µg/L        | 1          | U            | 1            | U             | 3          | U              | 1           | U           | 1     | U     | 5     |      |
|                          | 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    |
|                          | MW-12B-030818 | 3/8/2018    | µg/L        | 3.06       | 1            | U            | 1             | U          | 3              | U           | 1           | U     | 1     | U     | 5    |
|                          | 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-13                    | --            | 7/27/2015   | --          | NS-IW      | NS-IW        | NS-IW        | 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          | 1            | U            | 12.5          | 6.9        | 1              | U           | 1           | U     | 1     | U     | 0.02 |
|                          | --            | 11/28/2016  | --          | NS-IW      | NS-IW        | NS-IW        | 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     |      |
|                          | --            | 9/5/2017    | --          | NS-IW      | NS-IW        | NS-IW        | 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       | 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       | 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       | NS-IW       | NS-IW | NS-IW |       |      |
| MW-13B                   | MW-13B-012816 | 1/28/2016   | µg/L        | 367        | 1            | U            | 5.60          | 59.5       | 1              | U           | 119         | 1     | U     | 0.02  |      |
|                          | MW-13B-113016 | 11/30/2016  | µg/L        | 550        | 5.10         | 21.2         | 140           | 5          | U <sup>b</sup> | 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       | NS-SL | NS-SL |       |      |
|                          | 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        | --    |       |       |      |



**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         |    |                |                |   |      |                |       |       |
| <b>RBSL<sup>a</sup>:</b> |                |              | <b>µg/L</b> | <b>5.0</b> | <b>700</b>     | <b>1,000</b>   | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b> |    |                |                |   |      |                |       |       |
| MW-13B                   | 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-14                    | MW-14-072815   | 7/28/2015    | µg/L        | 5          | U <sup>b</sup> | 5              | U             | 5          | U         | 10          | U           | 5  | U <sup>b</sup> | 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-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-0604B18 | 6/6/2018     | µg/L        | 8.63       |                | 1              | U             | 1          | U         | 5.77        |             | 1  | U              | 22.1           |   | 5    | U              | --    |       |
|                          | 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-15          | MW-15-080415 | 8/4/2015    | µg/L       | 5              | U <sup>b</sup> | 5             | U          | 5         | U           | 10          | U  | 5              | U <sup>b</sup> | 5 | U    | 5              | U     | 0.019 |
| 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 <sup>b</sup> | 188            |   | 43.8 |                | --    |       |
| MW-15-031417             |                | 3/14/2017    | µg/L        | 1,960      |                | 72.1           |               | 324        |           | 1,320       |             | 25 | U <sup>b</sup> | 161            |   | 125  | U <sup>b</sup> | --    |       |
| MW-15-032017             |                | 3/20/2017    | µg/L        | 3,390      |                | 103            |               | 505        |           | 2,460       |             | 50 | U <sup>b</sup> | 194            |   | 250  | U <sup>b</sup> | --    |       |
| MW-15-033117             |                | 3/31/2017    | µg/L        | 2,850      |                | 65.4           |               | 444        |           | 1,860       |             | 20 | U <sup>b</sup> | 221            |   | 100  | U <sup>b</sup> | --    |       |
| MW-15-040617             |                | 4/6/2017     | µg/L        | 1,790      |                | 60.6           |               | 465        |           | 886         |             | 25 | U <sup>b</sup> | 181            |   | 125  | U <sup>b</sup> | --    |       |
| MW-15-062817             |                | 6/28/2017    | µg/L        | 72.7       |                | 25             | U             | 28.8       |           | 110         |             | 25 | U <sup>b</sup> | 91.8           |   | 125  | U <sup>b</sup> | --    |       |
| MW-15-090817             |                | 9/8/2017     | µg/L        | 454        |                | 24.0           |               | 567        |           | 338         |             | 5  | U <sup>b</sup> | 193            |   | 25   | U <sup>b</sup> | --    |       |
| 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    | --             |       |       |

**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         |                |                |       |                |                |                |       |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>     | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b> |                |                |       |                |                |                |       |   |
| MW-15                    | 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-15B                   | MW-15B-080415 | 8/4/2015    | µg/L        | 5          | U <sup>b</sup> | 5            | U             | 5          | U         | 10          | U           | 5              | U <sup>b</sup> | 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 <sup>b</sup> | 26.7  |                | 5              |                | --    |   |
|                          | MW-15B-031417 | 3/14/2017   | µg/L        | 2,160      |                | 248          |               | 4,580      |           | 1,500       |             | 100            | U <sup>b</sup> | 118   |                | 500            | U <sup>b</sup> | --    |   |
|                          | MW-15B-032017 | 3/20/2017   | µg/L        | 615        |                | 88.6         |               | 1,270      |           | 555         |             | 25             | U <sup>b</sup> | 67.5  |                | 125            | U <sup>b</sup> | --    |   |
|                          | MW-15B-033117 | 3/31/2017   | µg/L        | 1,630      |                | 205          |               | 3,240      |           | 1,180       |             | 50             | U <sup>b</sup> | 115   |                | 250            | U <sup>b</sup> | --    |   |
|                          | MW-15B-040617 | 4/6/2017    | µg/L        | 1,020      |                | 132          |               | 2,020      |           | 789         |             | 25             | U <sup>b</sup> | 84.7  |                | 125            | U <sup>b</sup> | --    |   |
|                          | MW-15B-062817 | 6/28/2017   | µg/L        | 1,510      |                | 145          |               | 3,520      |           | 1,280       |             | 100            | U <sup>b</sup> | 100   | U <sup>b</sup> | 500            | U <sup>b</sup> | --    |   |
|                          | MW-15B-090817 | 9/8/2017    | µg/L        | 1,820      |                | 164          |               | 3,560      |           | 1,210       |             | 50             | U <sup>b</sup> | 133   |                | 250            | U <sup>b</sup> | --    |   |
|                          | 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 <sup>b</sup> | 93.2  |                | 125            | U <sup>b</sup> | --    |   |
|                          | 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 <sup>b</sup> | 98.0  |                | 50             | U <sup>b</sup> | --    |   |
| 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 <sup>b</sup> | 188            |       | 500            | U <sup>b</sup> | --             |       |   |
| 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 <sup>b</sup> | 1,740 |                | 2,500          | U <sup>b</sup> | --    |   |
|                          | --            | 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 <sup>b</sup> | 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        |            | 5.8            |              | 73.9          |            | 118       |             | 1           | U              | 1              | U     | 132            |                | --             |       |   |
| 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 |   |
| --                       | 3/31/2017     | --          | 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         |                |    |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b>     | <b>40</b>      | <b>25</b>   | <b>0.05</b> |                |    |
| MW-17                    | --            | 4/6/2017    | --          | NS-IW      | 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       | NS-IW          |    |
|                          | --            | 9/5/2017    | --          | NS-IW      | 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       | NS-IW          |    |
|                          | --            | 3/5/2018    | --          | NS-IW      | 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       | NS-IW          |    |
|                          | --            | 9/10/2018   | --          | NS-IW      | 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       | 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       | NS-IW       | NS-IW          |    |
| 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 <sup>b</sup> | 954         | 112         | --             |    |
|                          | MW-17B-031317 | 3/13/2017   | µg/L        | 7,350      | 770          | 14,100       | 4,510         | 200            | U <sup>b</sup> | 944         | 1,000       | U <sup>b</sup> | -- |
|                          | MW-17B-032017 | 3/20/2017   | µg/L        | 10,700     | 1,360        | 21,400       | 7,910         | 323            |                | 1,210       | 1,000       | U <sup>b</sup> | -- |
|                          | MW-17B-033117 | 3/31/2017   | µg/L        | 9,190      | 900          | 17,500       | 5,910         | 100            | U <sup>b</sup> | 1,200       | 500         | U <sup>b</sup> |    |
|                          | MW-17B-040617 | 4/6/2017    | µg/L        | 7,780      | 833          | 14,900       | 5,330         | 200            | U <sup>b</sup> | 991         | 1,000       | U <sup>b</sup> | -- |
|                          | MW-17B-062817 | 6/28/2017   | µg/L        | 11,200     | 704          | 21,600       | 5,650         | 200            | U <sup>b</sup> | 1,150       | 1,000       | U <sup>b</sup> | -- |
|                          | MW-17B-090817 | 9/8/2017    | µg/L        | 11,400     | 1,240        | 23,900       | 8,460         | 20             | U <sup>b</sup> | 1,330       | 201         |                | -- |
|                          | MW-17B-120717 | 12/7/2017   | µg/L        | 10,600     | 1,060        | 14,900       | 9,210         | 10             | U <sup>b</sup> | 1,140       | 178         |                | -- |
|                          | MW-17B-030718 | 3/7/2018    | µg/L        | 8,830      | 1,110        | 20,200       | 8,220         | 50             | U <sup>b</sup> | 960         | 250         | U <sup>b</sup> | -- |
|                          | MW-17B-060718 | 6/7/2018    | µg/L        | 8,910      | 1,250        | 20,200       | 9,130         | 20             | U <sup>b</sup> | 1,230       | 206         |                | -- |
|                          | MW-17B-080218 | 8/2/2018    | µg/L        | 9,470      | 1,190        | 23,200       | 8,530         | 200            | U <sup>b</sup> | 863         | 1,000       | U <sup>b</sup> | -- |
|                          | MW-17B-091118 | 9/11/2018   | µg/L        | 8,180      | 1,370        | 20,200       | 9,660         | 50             | U <sup>b</sup> | 832         | 250         | U <sup>b</sup> | -- |
|                          | MW-17B-110218 | 11/2/2018   | µg/L        | 7,770      | 1,080        | 12,700       | 7,380         | 20             | U <sup>b</sup> | 841         | 113         |                | -- |
|                          | MW-17B-120518 | 12/5/2018   | µg/L        | 6,860      | 1,010        | 24,400       | 8,550         | 50             | U <sup>b</sup> | 690         | 250         | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 308         | 261         |                | -- |
|                          | MW-17B-051419 | 5/14/2019   | µg/L        | 7,320      | 1,040        | 18,500       | 8,370         | 25             | U <sup>b</sup> | 256         | 201         |                | -- |
|                          | MW-17B-060519 | 6/5/2019    | µg/L        | 7,390      | 1,220        | 16,600       | 8,370         | 200            | U <sup>b</sup> | 312         | 1,000       | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 665            | 195         |             | --             |    |
| MW-18                    | --            | 7/27/2015   | --          | NS-FP      | 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       | NS-FP          |    |
|                          | --            | 11/28/2016  | --          | NS-FP      | 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       | NS-FP          |    |
|                          | --            | 9/5/2017    | --          | NS-FP      | 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       | NS-FP          |    |
|                          | --            | 3/5/2018    | --          | NS-FP      | 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       | NS-FP          |    |
| --                       | 9/11/2018     | --          | NS-FP       | 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       | 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            |           |                |       |   |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> |                | <b>40</b>   |                | <b>25</b> | <b>0.05</b>    |       |   |
| MW-18                    | 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-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 <sup>b</sup> | 250         | U <sup>b</sup> | 1,250     | U <sup>b</sup> | --    |   |
|                          | MW-19-062917 | 6/29/2017   | µg/L        | 9,410      | 683          | 27,200       | 9,580         | 200        | U <sup>b</sup> | 320         |                | 1,000     | U <sup>b</sup> | --    |   |
|                          | --           | 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 <sup>b</sup> | --    |   |
|                          | MW-19-071318 | 7/13/2018   | µg/L        | 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       |                | 1           | U              | 1         | U              | 6.55  |   |
|                          | MW-19-120518 | 12/5/2018   | µg/L        | 5          | U            | 8.23         |               | 13.7       |                | 5           | U              | 5         | U              | 25    | U |
| MW-19-030519             | 3/5/2019     | µg/L        | 5           | U          | 33.1         |              | 19.4          |            | 5              | U           | 5              | U         | 294            |       |   |
| MW-19-060519             | 6/5/2019     | µg/L        | 5           | U          | 5            | U            | 5             | U          | 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-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          |       |   |

**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         |                |                |                |       |       |       |      |   |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>     | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b>      | <b>25</b>      | <b>0.05</b> |                |                |                |       |       |       |      |   |
| MW-20                    | MW-20-071218 | 7/12/2018   | µg/L        | 5,740      | 1,350          | 18,100       | 14,500        | 100        | U <sup>b</sup> | 351            | 500         | U <sup>b</sup> | --             |                |       |       |       |      |   |
|                          | --           | 9/10/2018   | --          | NS-FP      | NS-FP          | 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       | 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 <sup>b</sup> | 187            | 500         | U <sup>b</sup> | --             |                |       |       |       |      |   |
|                          | MW-20-051519 | 5/15/2019   | µg/L        | 4,180      | 758            | 8,970        | 7,620         | 100        | U <sup>b</sup> | 105            | 636         |                | --             |                |       |       |       |      |   |
|                          | MW-20-060519 | 6/5/2019    | µg/L        | 11,200     | 1,460          | 22,800       | 10,200        | 50         | U <sup>b</sup> | 174            | 437         |                | --             |                |       |       |       |      |   |
|                          | MW-20-082019 | 8/20/2019   | µg/L        | 7,920      | 1,160          | 15,900       | 10,300        | 100        | U <sup>b</sup> | 238            | 500         | U <sup>b</sup> | --             |                |       |       |       |      |   |
|                          | --           | 9/16/2019   | --          | NS-FP      | NS-FP          | NS-FP        | NS-FP         | NS-FP      | NS-FP          | NS-FP          | NS-FP       | NS-FP          | NS-FP          |                |       |       |       |      |   |
| MW-21                    | MW-21-072715 | 7/27/2015   | µg/L        | 5          | U <sup>b</sup> | 5            | U             | 5          | U              | 10             | U           | 5              | U <sup>b</sup> | 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-22                    | --           | 7/27/2015   | --          | NS-IW      | NS-IW          | NS-IW        | NS-IW         | NS-IW      | NS-IW          | 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              | 1              | U     | 0.02  | U     |      |   |
|                          | --           | 11/28/2016  | --          | NS-IW      | NS-IW          | NS-IW        | NS-IW         | NS-IW      | NS-IW          | 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       | NS-IW          | NS-IW          | NS-IW          | NS-IW | NS-IW | NS-IW |      |   |
|                          | MW-22-062917 | 6/29/2017   | µg/L        | 234        | 10             | 125          | 30            | U          | 10             | U <sup>b</sup> | 10          | U              | 50             | U <sup>b</sup> | --    |       |       |      |   |
|                          | --           | 7/17/2017   | --          | NS-IW      | NS-IW          | NS-IW        | NS-IW         | NS-IW      | NS-IW          | 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       | 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       | 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       | 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       | 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       | 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       | 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       | 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     | --    |      |   |
|                          | 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              | --    |       |       |      |   |

**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 |                |                |           |      |                |                |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |                | <b>700</b> |               | <b>1,000</b> |       | <b>10,000</b> |     | <b>5.0</b>     |                | <b>40</b> |      | <b>25</b>      |                | <b>0.05</b> |   |
| MW-22                    | 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-23                    | MW-23-072715  | 7/27/2015   | µg/L        | 5          | U <sup>b</sup> | 5          | U             | 7.5          |       | 10            | U   | 5              | U <sup>b</sup> | 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 <sup>b</sup> | 46.4      |      | 5.90           |                | --          |   |
|                          | MW-23-031317  | 3/13/2017   | µg/L        | 709        |                | 5          | U             | 23.1         |       | 548           |     | 5              | U <sup>b</sup> | 127       |      | 25             | U <sup>b</sup> | --          |   |
|                          | MW-23-032017  | 3/20/2017   | µg/L        | 642        |                | 10         | U             | 12.7         |       | 579           |     | 10             | U <sup>b</sup> | 108       |      | 50             | U <sup>b</sup> | --          |   |
|                          | MW-23-033117  | 3/31/2017   | µg/L        | 685        |                | 10         | U             | 16.5         |       | 624           |     | 10             | U <sup>b</sup> | 130       |      | 50             | U <sup>b</sup> | --          |   |
|                          | 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 <sup>b</sup> | 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 <sup>b</sup> | 141       |      | 25             | U <sup>b</sup> | --          |   |
|                          | MW-23-100417  | 10/4/2017   | µg/L        | 703        |                | 10         | U             | 17.5         |       | 515           |     | 10             | U <sup>b</sup> | 90.1      |      | 50             | U <sup>b</sup> | --          |   |
|                          | MW-23-110817  | 11/8/2017   | µg/L        | 788        |                | 10         | U             | 21.5         |       | 580           |     | 10             | U <sup>b</sup> | 118       |      | 50             | U <sup>b</sup> | --          |   |
|                          | MW-23-120617  | 12/6/2017   | µg/L        | 693        |                | 10         | U             | 17.0         |       | 408           |     | 10             | U <sup>b</sup> | 99.5      |      | 50             | U <sup>b</sup> | --          |   |
|                          | MW-23-010918  | 1/9/2018    | µg/L        | 127        |                | 10         | U             | 10           | U     | 137           |     | 10             | U <sup>b</sup> | 69.6      |      | 50             | U <sup>b</sup> | --          |   |
|                          | 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        |      | 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              | --          |   |
|                          | 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 <sup>b</sup> | 88.7           |           | 50   | U <sup>b</sup> | --             |             |   |
| MW-23-091919             | 9/19/2019     | µg/L        | 2,950       |            | 192            |            | 1,060         |              | 2,210 |               | 5   | U              | 99.9           |           | 38.4 |                | --             |             |   |
| MW-23B                   | MW-23B-080515 | 8/5/2015    | µg/L        | 5          | U <sup>b</sup> | 5          | U             | 7.00         |       | 10            | U   | 5              | U <sup>b</sup> | 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              | --          |   |

**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            |           |   |           |   |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |                | <b>700</b> | <b>1,000</b>  | <b>10,000</b> |      | <b>5.0</b>  |                | <b>40</b> |   | <b>25</b> |   | <b>0.05</b> |   |
| MW-23B                   | 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          | 1.73          | 6.20          |      | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-090717 | 9/7/2017    | µg/L        | 1          | U              | 1          | 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          | 1.08          | 4.21          |      | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-091118 | 9/11/2018   | µg/L        | 1          | U              | 1          | 1.24          | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-120518 | 12/5/2018   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-030519 | 3/5/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-060519 | 6/5/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-23B-091919 | 9/19/2019   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
| MW-24                    | MW-24-080515  | 8/5/2015    | µg/L        | 5          | U <sup>b</sup> | 5          | 5             | 10            | U    | 5           | U <sup>b</sup> | 5         | U | 5         | U | 0.02        | U |
|                          | MW-24-012616  | 1/26/2016   | µg/L        | 1          | U              | 1          | 1             | 2             | U    | 1           | U              | 1         | U | 1         | U | 0.019       | U |
|                          | MW-24-120716  | 12/7/2016   | µg/L        | 1          | U              | 1          | 1             | 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          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-120617  | 12/6/2017   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-030818  | 3/8/2018    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-060618  | 6/6/2018    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-091218  | 9/12/2018   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-120618  | 12/6/2018   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-030619  | 3/6/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-060519  | 6/5/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24-091719  | 9/17/2019   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
| MW-24B                   | MW-24B-080515 | 8/5/2015    | µg/L        | 5          | U <sup>b</sup> | 5          | 5             | 10            | U    | 5           | U <sup>b</sup> | 5         | U | 5         | U | 0.02        | U |
|                          | MW-24B-012616 | 1/26/2016   | µg/L        | 1          | U              | 1          | 3.30          | 6.80          |      | 1           | U              | 1         | U | 1         | U | 0.019       | U |
|                          | MW-24B-120716 | 12/7/2016   | µg/L        | 1          | U              | 1          | 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          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-120617 | 12/6/2017   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-030818 | 3/8/2018    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-060618 | 6/6/2018    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-091218 | 9/12/2018   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-120618 | 12/6/2018   | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-030619 | 3/6/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-060519 | 6/5/2019    | µg/L        | 1          | U              | 1          | 1             | 3             | U    | 1           | U              | 1         | U | 5         | U | --          |   |
|                          | MW-24B-091719 | 9/17/2019   | µg/L        | 1          | U              | 1          | 1             | 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            |      |   |      |                |    |    |      |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b>    |      |   |      |                |    |    |      |   |
| 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 <sup>b</sup> | 5.90 |   | 29.7 |                | -- |    |      |   |
|                          | MW-25-031417  | 3/14/2017   | µg/L        | 627        | 28.6         |              | 10.1          |            | 668       | 10          | U <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | MW-25-032017  | 3/20/2017   | µg/L        | 604        | 20.4         |              | 20            | U          | 680       | 20          | U <sup>b</sup> | 20   | U | 100  | U <sup>b</sup> | -- |    |      |   |
|                          | MW-25-033117  | 3/31/2017   | µg/L        | 673        | 30.1         |              | 12.0          |            | 736       | 10          | U <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | MW-25-040617  | 4/6/2017    | µg/L        | 558        | 24.3         |              | 10            | U          | 682       | 10          | U <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | 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 <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | MW-25-071717  | 7/17/2017   | µg/L        | 230        | 13.4         |              | 10            | U          | 264       | 10          | U <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | MW-25-080117  | 8/1/2017    | µg/L        | 234        | 14.4         |              | 10            | U          | 277       | 10          | U <sup>b</sup> | 10   | U | 50   | U <sup>b</sup> | -- |    |      |   |
|                          | 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-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  | -- |      |   |



**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 |            |   |           |   |           |   |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |              | <b>700</b>  |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |   | <b>40</b> |   | <b>25</b> |   | <b>0.05</b> |   |
| 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             | <b>2.30</b>  |      | 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             | <b>1.17</b>  |      | 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            | <b>1.79</b> |               | <b>6.20</b>  |      | <b>13.8</b>   |     | 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-26-060519  | 6/5/2019    | 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-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    | <b>1.30</b>   |     | 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             | <b>1.03</b>  |      | 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 | --          |   |

**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   |            |                |           |                |           |       |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |              | <b>700</b> |               | <b>1,000</b> |       | <b>10,000</b> |       | <b>5.0</b> |                | <b>40</b> |                | <b>25</b> |       | <b>0.05</b> |   |
| MW-26B                   | 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-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-27-030519  | 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-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       |               | 9.10         |       | 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      |       | --          |   |
|                          | 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-28                    | MW-28-012716  | 1/27/2016   | µg/L        | 542        |              | 430        |               | 3,850        |       | 3,370         |       | 1          | U              | 4.8       |                | 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 <sup>b</sup> | 50        | U <sup>b</sup> | 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         | --    |             |   |

**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 |                |                |             |    |       |   |       |      |
| <b>RBSL<sup>a</sup>:</b> |              |              | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b>     |                | <b>40</b>   |     | <b>25</b>      |                | <b>0.05</b> |    |       |   |       |      |
| MW-28                    | 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 | --    |      |
| MW-28-091719             | 9/17/2019    | µg/L         | 1.68        | 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-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 |
| --                       |              | 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           | 1,630        | 736           | 25             | U <sup>b</sup> | 25          | U   | 125            | U <sup>b</sup> | --          |    |       |   |       |      |
| MW-30-071717             |              | 7/17/2017    | µg/L        | 922        | 25           | 2,050        | 1,320         | 25             | U <sup>b</sup> | 25          | U   | 125            | U <sup>b</sup> | --          |    |       |   |       |      |
| MW-30-080217             | 8/2/2017     | µg/L         | 1,240       | 25.9       | 1,020        | 2,230        | 25            | U <sup>b</sup> | 25             | U           | 125 | U <sup>b</sup> | --             |             |    |       |   |       |      |

**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         |             |             |       |      |      |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>  | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b>  | <b>40</b> | <b>25</b>   | <b>0.05</b> |             |             |       |      |      |   |
| MW-30                    | --            | 9/5/2017    | --          | NS-IW       | NS-IW        | NS-IW        | 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       | 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       | 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       | 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       | NS-IW       | NS-IW       | NS-IW |      |      |   |
|                          | MW-30-020518  | 2/5/2018    | µg/L        | <b>2.20</b> | 1            | U            | <b>1.86</b>   | <b>4.10</b> | 1         | U           | 1           | U           | 5           | U     | --   |      |   |
|                          | MW-30-030718  | 3/7/2018    | µg/L        | <b>22.1</b> | 1            | U            | <b>8.94</b>   | <b>19.1</b> | 1         | U           | <b>2.25</b> | 5           | U           | --    |      |      |   |
|                          | MW-30-040618  | 4/6/2018    | µg/L        | <b>1.90</b> | 1            | U            | <b>7.38</b>   | <b>5.95</b> | 1         | U           | <b>2.22</b> | 5           | U           | --    |      |      |   |
|                          | MW-30-050318  | 5/3/2018    | µg/L        | <b>1.19</b> | 1            | U            | <b>3.70</b>   | 3           | U         | 1           | U           | <b>2.29</b> | 5           | U     | --   |      |   |
|                          | MW-30-060618  | 6/6/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | <b>2.58</b> | 5           | U     | --   |      |   |
|                          | MW-30-071218  | 7/12/2018   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | <b>2.79</b> | 5           | U     | --   |      |   |
|                          | --            | 9/11/2018   | --          | NS-IW       | NS-IW        | NS-IW        | 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             | 3           | U         | 1           | U           | <b>1.94</b> | <b>9.22</b> | --    |      |      |   |
|                          | MW-30-030719  | 3/7/2019    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-30-060419  | 6/4/2019    | µg/L        | 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       | NS-IW       | NS-IW       | NS-IW       |       |      |      |   |
| MW-31                    | MW-31-051016  | 5/10/2016   | µg/L        | 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    | --   |   |
|                          | MW-31-050317  | 5/3/2017    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-062817  | 6/28/2017   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-071717  | 7/17/2017   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-080117  | 8/1/2017    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-090817  | 9/8/2017    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-100417  | 10/4/2017   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-110817  | 11/8/2017   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-120617  | 12/6/2017   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-010918  | 1/9/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-020618  | 2/6/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-030718  | 3/7/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-040618  | 4/6/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-050318  | 5/3/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-060618  | 6/6/2018    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-071318  | 7/13/2018   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-091218  | 9/12/2018   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-120618  | 12/6/2018   | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-030619  | 3/6/2019    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
|                          | MW-31-060519  | 6/5/2019    | µg/L        | 1           | U            | 1            | U             | 3           | U         | 1           | U           | 1           | U           | 5     | U    | --   |   |
| MW-31-091819             | 9/18/2019     | µg/L        | 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             | <b>2.70</b> | 1         | U           | 1           | U           | 1           | U     | 0.02 | 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 |            |                |           |   |           |                |             |   |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> |              | <b>700</b> |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b> |   | <b>25</b> |                | <b>0.05</b> |   |
| 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-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-34                    | MW-34-031517  | 3/15/2017   | --          | 978        |              | 33.0       |               | 143          |      | 218           |     | 10         | U <sup>b</sup> | 157       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-032017  | 3/20/2017   | µg/L        | 801        |              | 10.0       | U             | 113          |      | 305           |     | 10         | U <sup>b</sup> | 149       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-033117  | 3/31/2017   | µg/L        | 728        |              | 10.0       | U             | 81.4         |      | 224           |     | 10         | U <sup>b</sup> | 152       |   | 50        | U <sup>b</sup> | --          |   |
|                          | 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       |               | 9.3          |      | 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 <sup>b</sup> | 98.3      |   | 50        | U <sup>b</sup> | --          |   |
|                          | 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 <sup>b</sup> | 151       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-110817  | 11/8/2017   | µg/L        | 338        |              | 10         | U             | 15.3         |      | 140           |     | 10         | U <sup>b</sup> | 266       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-120617  | 12/6/2017   | µg/L        | 169        |              | 10         | U             | 29.7         |      | 69.9          |     | 10         | U <sup>b</sup> | 218       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-010918  | 1/9/2018    | µg/L        | 147        |              | 10         | U             | 13.1         |      | 79.8          |     | 10         | U <sup>b</sup> | 246       |   | 50        | U <sup>b</sup> | --          |   |
|                          | MW-34-020618  | 2/6/2018    | µg/L        | 249        |              | 10         | U             | 19.2         |      | 88.3          |     | 10         | U <sup>b</sup> | 191       |   | 50        | U <sup>b</sup> | --          |   |
|                          | 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 <sup>b</sup> | 278       |   | 50        | U <sup>b</sup> | --          |   |
|                          | 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         | --             |             |   |

**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         |     |     |                |    |      |    |    |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>      | <b>0.05</b> |     |     |                |    |      |    |    |
| MW-34                    | 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          | U          | 8.16      | U              | 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-35                    | MW-35-051016 | 5/10/2016   | µg/L        | 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  | --   |    |    |
|                          | 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  | -- |
|                          | 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-36                    | MW-36-051116 | 5/11/2016   | µg/L        | 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              | 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 <sup>b</sup> | 10          | U   | 50  | U <sup>b</sup> | -- |      |    |    |
| MW-36-060718             | 6/7/2018     | µg/L        | 184         | 1          | U            | 208          | 134           | 1          | U         | 2.06           | 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         |   |     |                |      |   |    |    |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>      | <b>0.05</b> |   |     |                |      |   |    |    |
| MW-36                    | 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 |                | --   |   |    |    |
|                          | 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 <sup>b</sup> | 20          | U | 100 | U <sup>b</sup> | --   |   |    |    |
|                          | MW-36-091919  | 9/19/2019   | µg/L        | 360        | 10           | U            | 46.0          | 188        | 10        | U <sup>b</sup> | 10          | U | 50  | U <sup>b</sup> | --   |   |    |    |
| MW-36B                   | MW-36B-051116 | 5/11/2016   | µg/L        | 1          | U            | 1            | U             | 7.20       | 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              | --   |   |    |    |
|                          | 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-37                    | MW-37-113016  | 11/30/2016  | µg/L        | 1          | U            | 1            | U             | 1          | U         | 1              | U           | 1 | U   | 1              | U    | 5 | 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  | -- |
|                          | 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-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 | -- |    |

**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         |                |                |      |                |                |    |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b> |                |                |      |                |                |    |
| MW-38                    | 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 <sup>b</sup> | 62.1 | 50             | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 118  | 500            | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 116            | 50   | U <sup>b</sup> | --             |    |
| MW-38-091719             | 9/17/2019    | µg/L        | 40.2        |            | 10           | U            | 10            | U          | 30        | U           | 10          | U <sup>b</sup> | 88.2           | 50   | U <sup>b</sup> | --             |    |
| MW-39                    | MW-39-120716 | 12/7/2016   | µg/L        | 6,320      |              | 682          |               | 1,290      |           | 3,650       |             | 50             | U <sup>b</sup> | 311  | 86             |                | -- |
|                          | MW-39-031417 | 3/14/2017   | µg/L        | 6,370      |              | 431          |               | 2,200      |           | 3,700       |             | 10             | U <sup>b</sup> | 199  | 117            |                | -- |
|                          | MW-39-032017 | 3/20/2017   | µg/L        | 7,340      |              | 704          |               | 2,990      |           | 4,050       |             | 100            | U <sup>b</sup> | 248  | 500            | U <sup>b</sup> | -- |
|                          | MW-39-033117 | 3/31/2017   | µg/L        | 7,540      |              | 899          |               | 3,140      |           | 4,400       |             | 50             | U <sup>b</sup> | 272  | 250            | U <sup>b</sup> | -- |
|                          | MW-39-040617 | 4/6/2017    | µg/L        | 6,180      |              | 754          |               | 3,280      |           | 3,860       |             | 50             | U <sup>b</sup> | 257  | 250            | U <sup>b</sup> | -- |
|                          | MW-39-062817 | 6/28/2017   | µg/L        | 5,470      |              | 58           |               | 3,360      |           | 3,900       |             | 20             | U <sup>b</sup> | 239  | 100            | U <sup>b</sup> | -- |
|                          | MW-39-071717 | 7/17/2017   | µg/L        | 4,690      |              | 100          | U             | 3,760      |           | 4,580       |             | 100            | U <sup>b</sup> | 344  | 500            | U <sup>b</sup> | -- |
|                          | MW-39-080117 | 8/1/2017    | µg/L        | 4,630      |              | 100          | U             | 2,880      |           | 4,740       |             | 100            | U <sup>b</sup> | 348  | 500            | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 305  | 250            | U <sup>b</sup> | -- |
|                          | MW-39-110817 | 11/8/2017   | µg/L        | 878        |              | 50           | U             | 123        |           | 368         |             | 50             | U <sup>b</sup> | 442  | 250            | U <sup>b</sup> | -- |
|                          | MW-39-120617 | 12/6/2017   | µg/L        | 345        |              | 50           | U             | 69         |           | 150         |             | 50             | U <sup>b</sup> | 355  | 250            | U <sup>b</sup> | -- |
|                          | 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 <sup>b</sup> | 287  | 50             | U <sup>b</sup> | -- |
|                          | 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              | --             |    |



**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            |                |                |                |                |    |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b>   | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>      | <b>0.05</b>    |                |                |                |                |    |
| MW-39                    | 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             | 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             | 3          | U         | 1              | U              | 89.4           | 5              | U              | --             |    |
|                          | MW-39-060519 | 6/5/2019    | µg/L        | 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-40                    | MW-40-120716 | 12/7/2016   | µg/L        | 6,730      | 588          |                | 7,460         | 3,390      | 50        | U <sup>b</sup> | 373            | 64.8           |                | --             |                |    |
|                          | MW-40-031417 | 3/14/2017   | µg/L        | 11,600     | 1,280        |                | 16,100        | 7,260      | 50        | U <sup>b</sup> | 691            | 250            | U <sup>b</sup> | --             |                |    |
|                          | MW-40-032017 | 3/20/2017   | µg/L        | 12,300     | 1,330        |                | 19,600        | 7,500      | 200       | U <sup>b</sup> | 654            | 1,000          | U <sup>b</sup> | --             |                |    |
|                          | MW-40-033117 | 3/31/2017   | µg/L        | 13,300     | 1,500        |                | 19,500        | 8,070      | 100       | U <sup>b</sup> | 727            | 500            | U <sup>b</sup> | --             |                |    |
|                          | MW-40-040617 | 4/6/2017    | µg/L        | 10,400     | 1,180        |                | 16,200        | 6,570      | 200       | U <sup>b</sup> | 650            | 1,000          | U <sup>b</sup> | --             |                |    |
|                          | MW-40-062817 | 6/28/2017   | µg/L        | 9,250      | 1,030        |                | 19,200        | 6,540      | 500       | U <sup>b</sup> | 590            | 2,500          | U <sup>b</sup> | --             |                |    |
|                          | MW-40-071717 | 7/17/2017   | µg/L        | 11,400     | 1,210        |                | 25,300        | 7,430      | 500       | U <sup>b</sup> | 727            | 2,500          | U <sup>b</sup> | --             |                |    |
|                          | MW-40-080117 | 8/1/2017    | µg/L        | 12,000     | 1,120        |                | 23,200        | 8,070      | 500       | U <sup>b</sup> | 631            | 2,500          | U <sup>b</sup> | --             |                |    |
|                          | MW-40-090817 | 9/8/2017    | µg/L        | 14,300     | 1,250        |                | 28,700        | 9,250      | 20        | U <sup>b</sup> | 716            | 219            |                | --             |                |    |
|                          | MW-40-100417 | 10/4/2017   | µg/L        | 13,800     | 1,000        | U <sup>b</sup> | 28,800        | 9,530      | 1,000     | U <sup>b</sup> | 1,000          | U <sup>b</sup> | 5,000          | U <sup>b</sup> | --             |    |
|                          | MW-40-110817 | 11/8/2017   | µg/L        | 13,500     | 1,000        | U <sup>b</sup> | 23,000        | 9,290      | 1,000     | U <sup>b</sup> | 1,000          | U <sup>b</sup> | 5,000          | U <sup>b</sup> | --             |    |
|                          | MW-40-120617 | 12/6/2017   | µg/L        | 14,300     | 1,000        | U <sup>b</sup> | 22,300        | 10,100     | 1,000     | U <sup>b</sup> | 1,000          | U <sup>b</sup> | 5,000          | U <sup>b</sup> | --             |    |
|                          | MW-40-010918 | 1/9/2018    | µg/L        | 12,400     | 773          |                | 22,300        | 10,200     | 200       | U <sup>b</sup> | 497            |                | 1,000          | U <sup>b</sup> | --             |    |
|                          | MW-40-020618 | 2/6/2018    | µg/L        | 11,100     | 777          |                | 20,300        | 9,350      | 200       | U <sup>b</sup> | 373            |                | 1,000          | U <sup>b</sup> | --             |    |
|                          | MW-40-030818 | 3/8/2018    | µg/L        | 8,450      | 498          |                | 14,500        | 7,580      | 50        | U <sup>b</sup> | 337            |                | 250            | U <sup>b</sup> | --             |    |
|                          | MW-40-040618 | 4/6/2018    | µg/L        | 6,710      | 212          |                | 8,350         | 5,460      | 100       | U <sup>b</sup> | 423            |                | 500            | U <sup>b</sup> | --             |    |
|                          | MW-40-050318 | 5/3/2018    | µg/L        | 2,890      | 100          | U              | 3,490         | 3,350      | 100       | U <sup>b</sup> | 288            |                | 500            | U <sup>b</sup> | --             |    |
|                          | 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             | 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             | 3          | U         | 1              | U              | 3.73           | 5              | U              | --             |    |
|                          | MW-40-051419 | 5/14/2019   | µg/L        | 1          | U            | 1              | U             | 3          | U         | 1              | U              | 2.12           | 5              | U              | --             |    |
|                          | MW-40-060519 | 6/5/2019    | µg/L        | 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              | 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-41                    | MW-41-120716 | 12/7/2016   | µg/L        | 212        | 2            | U              | 2             | U          | 155       | 2              | U              | 6.70           | 5.6            |                | --             |    |
|                          | 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 <sup>b</sup> | 5              | U              | 25             | U <sup>b</sup> | -- |
|                          | 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           |                | --             |    |

**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            |      |      |      |                |    |    |    |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b>    |      |      |      |                |    |    |    |
| MW-41                    | 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 <sup>b</sup> | 10   | U    | 50   | U <sup>b</sup> | -- |    |    |
|                          | MW-41-090817 | 9/8/2017    | µg/L        | 189        | 1.51         | 1            | U             | 90         | 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-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    | --             |    |    |    |
|                          | 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-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  | -- |

**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   |            |       |             |       |           |       |             |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b>  |              | <b>700</b> |               | <b>1,000</b> |       | <b>10,000</b> |       | <b>5.0</b> |       | <b>40</b>   |       | <b>25</b> |       | <b>0.05</b> |
| MW-43                    | 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     | <b>4.42</b> |       | 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-43B                   | MW-43-091719  | 9/17/2019   | µg/L        | 1           | U            | 1          | U             | 1            | U     | 3             | U     | 1          | U     | 1           | U     | 5         | U     | --          |
|                          | 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-44                    | 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     | --          |
|                          | --            | 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        | <b>1.06</b> |              | 1          | U             | <b>7.12</b>  |       | <b>3.11</b>   |       | 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-44B                   | 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-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             | <b>2.39</b>  |       | 3             | U     | 1          | U     | 1           | U     | 5         | U     | --          |
|                          | MW-44B-090717 | 9/7/2017    | µg/L        | 1           | U            | 1          | U             | <b>3.07</b>  |       | 3             | U     | 1          | U     | 1           | U     | 5         | U     | --          |
|                          | MW-44B-120517 | 12/5/2017   | µg/L        | 1           | U            | 1          | U             | <b>2.27</b>  |       | 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-45                    | 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     | --          |
|                          | --            | 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 |             |

**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         |       |       |       |       |       |       |       |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>   | <b>0.05</b> |       |       |       |       |       |       |       |
| MW-45                    | --            | 5/3/2017    | --          | NS-IW      | NS-IW        | 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       | 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       | 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       | 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       | 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       | 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       | 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     | 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     | --    |       |
| 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       | 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-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         |           | 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  |       | --    |       |

**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            |      |                |                |    |    |
| <b>RBSL<sup>a</sup>:</b> |               |             | <b>µg/L</b> | <b>5.0</b> | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>      | <b>0.05</b>    |      |                |                |    |    |
| MW-46                    | 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 <sup>b</sup> | 278            | 50   | U <sup>b</sup> | --             |    |    |
|                          | 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 <sup>b</sup> | 191  | 125            | U <sup>b</sup> | -- |    |
|                          | MW-46-091719  | 9/17/2019   | µg/L        | 705        | 25           | U            | 26.1          | 150        | 25        | U <sup>b</sup> | 175            | 125  | U <sup>b</sup> | --             |    |    |
| MW-47                    | MW-47-120617  | 12/6/2017   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-030718  | 3/7/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-060618  | 6/6/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-091218  | 9/12/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-120618  | 12/6/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-030619  | 3/6/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-060519  | 6/5/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-47-091819  | 9/18/2019   | µg/L        | 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             | 3          | U         | 1              | U              | 2.92 | 5              | U              | -- |    |
|                          | MW-48B-030718 | 3/7/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 2.97 | 5              | U              | -- |    |
|                          | MW-48B-060618 | 6/6/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 2.12 | 5              | U              | -- |    |
|                          | MW-48B-091218 | 9/12/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1.80 | 5              | U              | -- |    |
|                          | MW-48B-120618 | 12/6/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1.56 | 5              | U              | -- |    |
|                          | MW-48B-030619 | 3/6/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1.64 | 5              | U              | -- |    |
|                          | MW-48B-060519 | 6/5/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1.45 | 5              | U              | -- |    |
|                          | MW-48B-091819 | 9/18/2019   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1.14 | 5              | U              | -- |    |
| MW-49                    | MW-49-120617  | 12/6/2017   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-030818  | 3/8/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-060518  | 6/5/2018    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-091118  | 9/11/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-120518  | 12/5/2018   | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-030619  | 3/6/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-060519  | 6/5/2019    | µg/L        | 1          | U            | 1            | U             | 3          | U         | 1              | U              | 1    | U              | 5              | U  | -- |
|                          | MW-49-091719  | 9/17/2019   | µg/L        | 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             | 3          | U         | 1              | U              | 26.7 | 5              | U              | -- |    |
|                          | MW-50B-060618 | 6/6/2018    | µg/L        | 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             | 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              | -- |    |

**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 |            |                |             |   |             |                |             |
| <b>RBSL<sup>a</sup>:</b> |              |             | <b>µg/L</b> | <b>5.0</b>  |              | <b>700</b> |               | <b>1,000</b> |      | <b>10,000</b> |     | <b>5.0</b> |                | <b>40</b>   |   | <b>25</b>   |                | <b>0.05</b> |
| MW-51                    | MW-51-100518 | 10/5/2018   | µg/L        | 1           | U            | 1          | U             | <b>1.88</b>  |      | 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-52                    | MW-52-100518 | 10/5/2018   | µg/L        | 1           | U            | 1          | U             | <b>1.25</b>  |      | 3             | U   | 1          | U              | <b>3.12</b> |   | 5           | U              | --          |
|                          | MW-52-120618 | 12/6/2018   | µg/L        | 1           | U            | 1          | U             | 1            | U    | 3             | U   | 1          | U              | 1           | U | 5           | U              | --          |
|                          | MW-52-030619 | 3/6/2019    | µg/L        | 1           | U            | 1          | U             | 1            | U    | 3             | U   | 1          | U              | <b>1.32</b> |   | 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              | <b>2.01</b> |   | 5           | U              | --          |
| MW-53                    | MW-53-100518 | 10/5/2018   | µg/L        | 1           | U            | 1          | U             | <b>5.43</b>  |      | 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-54                    | MW-54-100518 | 10/5/2018   | µg/L        | 1           | U            | 1          | U             | <b>1.72</b>  |      | 3             | U   | 1          | U              | <b>1.35</b> |   | 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-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-56                    | MW-56-040919 | 4/9/2019    | µg/L        | <b>209</b>  |              | 1          | U             | <b>2.57</b>  |      | <b>93.9</b>   |     | 1          | U              | <b>79.9</b> |   | 5           | U              | --          |
|                          | MW-56-051519 | 5/15/2019   | µg/L        | <b>299</b>  |              | 1          | U             | <b>4.11</b>  |      | <b>119</b>    |     | 1          | U              | <b>86.2</b> |   | <b>5.33</b> |                | --          |
|                          | MW-56-071719 | 7/17/2019   | µg/L        | <b>549</b>  |              | 1          | U             | <b>8.90</b>  |      | <b>205</b>    |     | 1          | U              | <b>146</b>  |   | <b>8.18</b> |                | --          |
|                          | MW-56-082119 | 8/21/2019   | µg/L        | <b>391</b>  |              | 10         | U             | 10           | U    | <b>91.1</b>   |     | 10         | U <sup>b</sup> | <b>134</b>  |   | 50          | U <sup>b</sup> | --          |
|                          | MW-56-091719 | 9/17/2019   | µg/L        | <b>30.1</b> |              | 1          | U             | 1            | U    | <b>8.51</b>   |     | 1          | U              | <b>137</b>  |   | 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         |                |                |    |                |
| <b>RBSL<sup>a</sup>:</b> |              |             | µg/L  | <b>5.0</b>   | <b>700</b>   | <b>1,000</b> | <b>10,000</b> | <b>5.0</b> | <b>40</b> | <b>25</b>      | <b>0.05</b> |                |                |    |                |
| MW-57                    | MW-57-040919 | 4/9/2019    | µg/L  | <b>1,340</b> | <b>2.81</b>  | <b>42.0</b>  | <b>406</b>    | 1          | U         | <b>198</b>     | <b>20.5</b> | --             |                |    |                |
|                          | MW-57-051519 | 5/15/2019   | µg/L  | <b>535</b>   | <b>1.36</b>  | <b>11.1</b>  | <b>178</b>    | 1          | U         | <b>169</b>     | <b>8.65</b> | --             |                |    |                |
|                          | MW-57-071719 | 7/17/2019   | µg/L  | <b>1,330</b> | <b>3.63</b>  | <b>22.9</b>  | <b>341</b>    | 1          | U         | <b>186</b>     | <b>19.8</b> | --             |                |    |                |
|                          | MW-57-082119 | 8/21/2019   | µg/L  | <b>584</b>   | 10           | U            | 10            | U          | 10        | U <sup>b</sup> | <b>183</b>  | 50             | U <sup>b</sup> | -- |                |
|                          | MW-57-091719 | 9/17/2019   | µg/L  | <b>71.8</b>  | 10           | U            | 10            | U          | 30        | U              | 10          | U <sup>b</sup> | <b>74.6</b>    | 50 | U <sup>b</sup> |

Notes:

<sup>a</sup> 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.

<sup>b</sup> 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 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

BCPZ = Brown's Creek Protection Zone

CCPZ = Cupboard Creek Protection Zone

SBZ = Shallow Bedrock Zone

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 observation of product sheen in well

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

**Table 6. Analytical Results for Soil**

Lewis Drive Release, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

| Sample ID  | Sample Depth (ft) | Estimated Separation Distance <sup>a</sup> (ft) | Zone   | Date Collected | Units | Analyte                |                |               |                            |               |
|--|-------------------|---|--------|----------------|-------|------------------------|----------------|---------------|----------------------------|---------------|
|  |                   |   |        |                |       | Benzene                | Ethylbenzene   | Toluene       | Total Xylenes <sup>b</sup> | 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 <sup>f</sup> | 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 | <b>2.05</b>            | <b>8.27</b>    | <b>26.3</b>   | <b>89.1</b>                | <b>4.09</b>   |
| MW-46-04'-05'  | 4-5               | 3.0   | Smear  | 9/13/2017      | mg/kg | 0.00314 U <sup>f</sup> | 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 <sup>f</sup> | 0.00367 U      | 0.00734 U     | 0.011 U                    | 0.0183 U      |
| MW-50B-14'-16'   | 14-16             | 4.2   | Smear  | 10/6/2017      | mg/kg | 0.00334 U <sup>f</sup> | 0.00334 U      | 0.00667 U     | 0.01 U                     | 0.0167 U      |
| MW-48B-09'-11'   | 9-11              | 5.0   | Smear  | 10/12/2017     | mg/kg | 0.00327 U <sup>f</sup> | 0.00327 U      | 0.00654 U     | 0.0098 U                   | 0.0163 U      |
| 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-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      |
| 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      |
| 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 | <b>0.529</b>           | <b>0.637</b>   | <b>0.0555</b> | <b>10.7</b>                | <b>1.48</b>   |
| SS-03-071819   | 0-2               | <10   | Smear  | 7/18/2019      | mg/kg | <b>0.385</b>           | <b>0.349</b>   | <b>0.0255</b> | <b>2.66</b>                | <b>0.0846</b> |
| SS-04-071819   | 0-2               | <10   | Smear  | 7/18/2019      | mg/kg | <b>0.00454</b>         | <b>0.00625</b> | 0.00685 U     | <b>0.0278</b>              | 0.0171 U      |
| <b>Ingestion/Dermal Contact RBSL<sup>c</sup>:</b>                        |                   |   |        |                | mg/kg | 13                     | 63             | 6,300         | 16,000                     | 1,600         |
| <b>Leaching RBSL for &lt; 10 ft separation distance<sup>d</sup>:</b>     |                   |   |        |                | 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      |
| <b>Ingestion/Dermal Contact RBSL<sup>c</sup>:</b>                        |                   |   |        |                | mg/kg | 13                     | 63             | 6,300         | 16,000                     | 1,600         |
| <b>Leaching RBSL for 10-15 ft separation distance<sup>e</sup>:</b>       |                   |   |        |                | mg/kg | 0.008                  | 6.168          | 1.167         | 22.495                     | 0.069         |

Notes:

<sup>a</sup> 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.

<sup>b</sup> Total xylenes is the sum of m&p-xylenes and o-xylene.

<sup>c</sup> RBSL = risk-based screening levels identified in DHEC Underground Storage Tank (UST) Management Division Programmatic Quality Assurance Program Plan (QAPP), Revision 2, Table D6 "RBSLs for Ingestion or Dermal Contact with Surficial Soil," February 2016. Note RBSL applied to potential exposure of workers.

<sup>d</sup> RBSLs identified in DHEC UST QAPP, Rev. 2, Table D4 "RBSLs for Clay-rich Soil," <10 ft separation distance, February 2016

<sup>e</sup> RBSLs identified in DHEC UST QAPP, Rev. 2, Table D4 "RBSLs for Clay-rich Soil," 10-15 ft separation distance, February 2016

<sup>f</sup> 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 U.S. Environmental Protection Agency (EPA) Method SW8260B

**Bold indicates the analyte was detected.**

Gray shading indicates the analyte exceeded Leaching RBSLs.

BTEX = benzene, toluene, ethylbenzene, and xylenes

ft = foot/feet

mg/kg = milligram(s) per kilogram

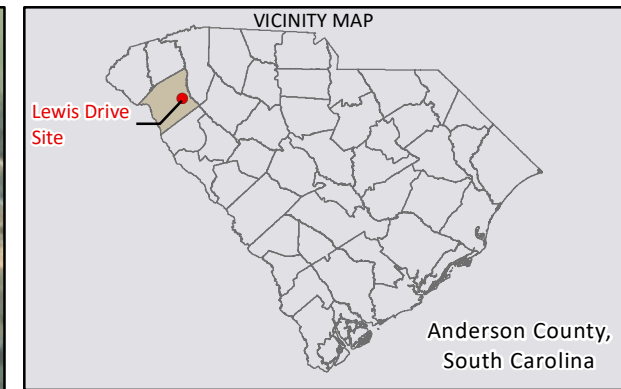
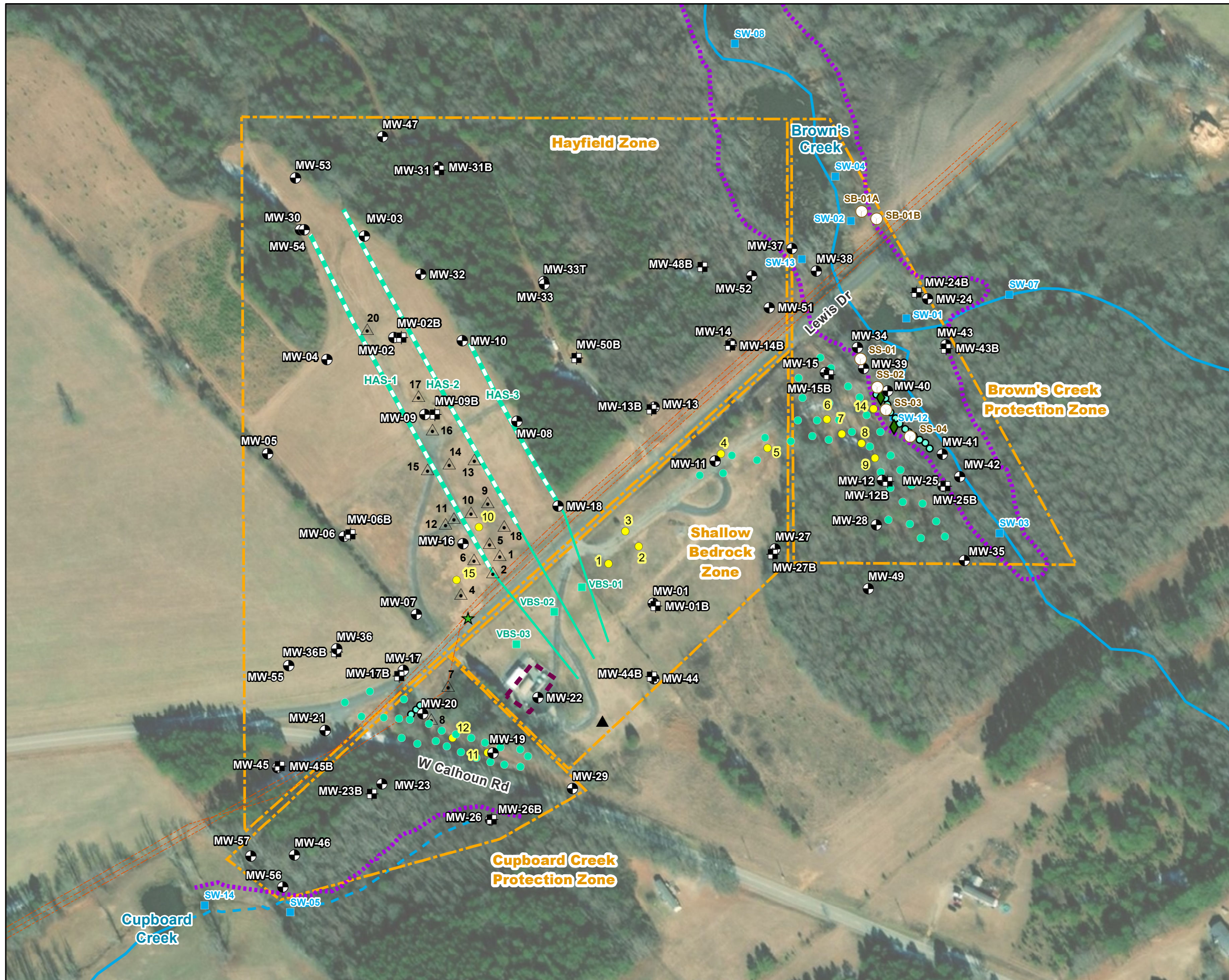
MW = monitoring well

SS = surface soil

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

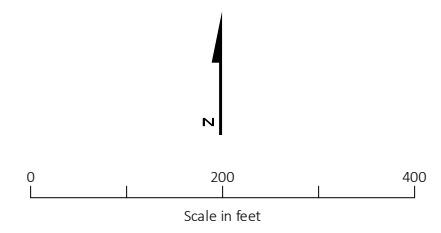


## **Figures**

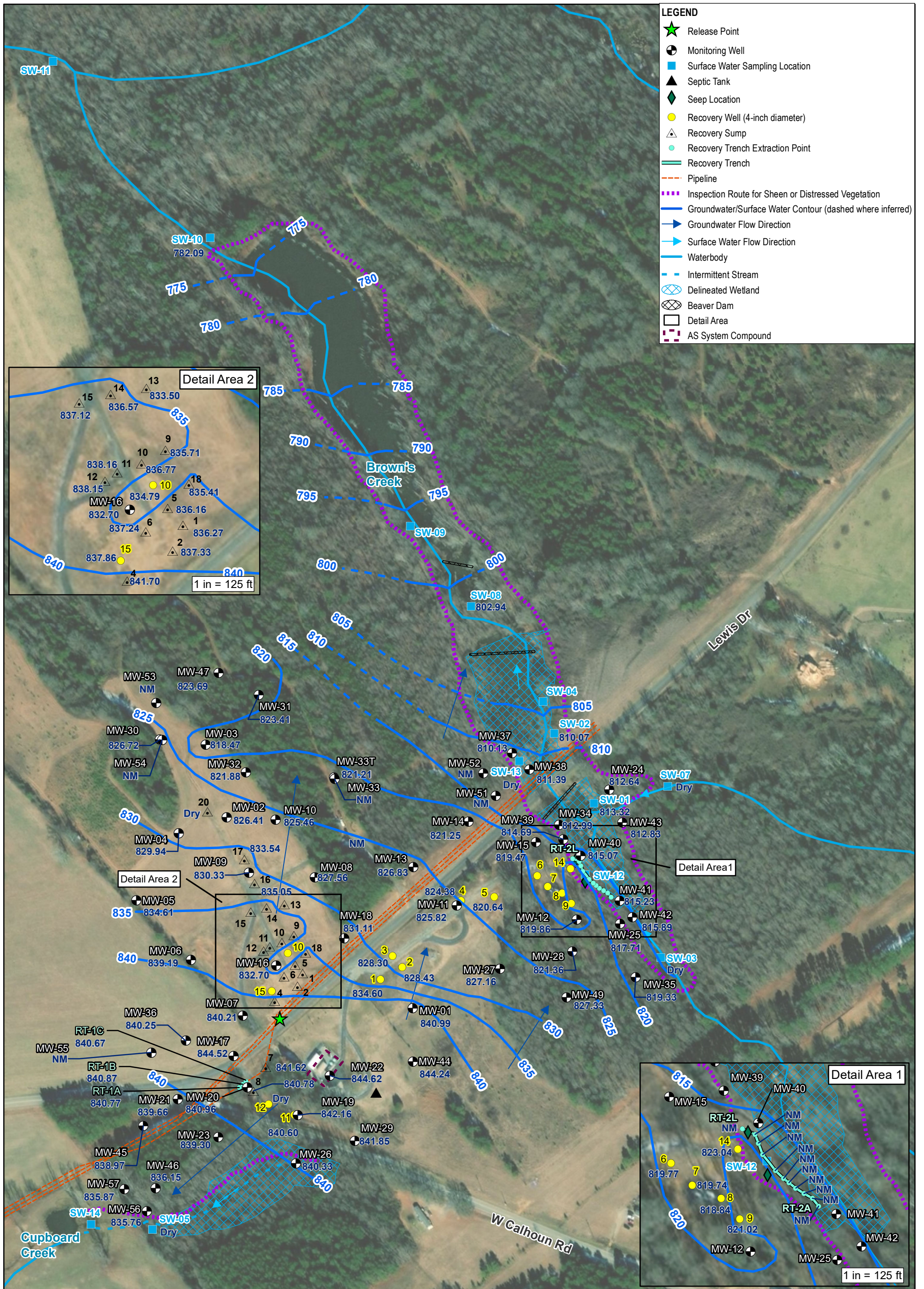


- LEGEND**
- ★ Release Point
  - ⊕ Residuum Monitoring Well
  - ⊕ Bedrock Monitoring Well
  - △ Recovery Sump
  - Soil Boring Location
  - Recovery Trench Point
  - Recovery Well (4-inch diameter)
  - Surface Water Sampling Location
  - ▲ Septic Tank
  - ◆ Seep Location
  - Vertical Bedrock Sparging 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)



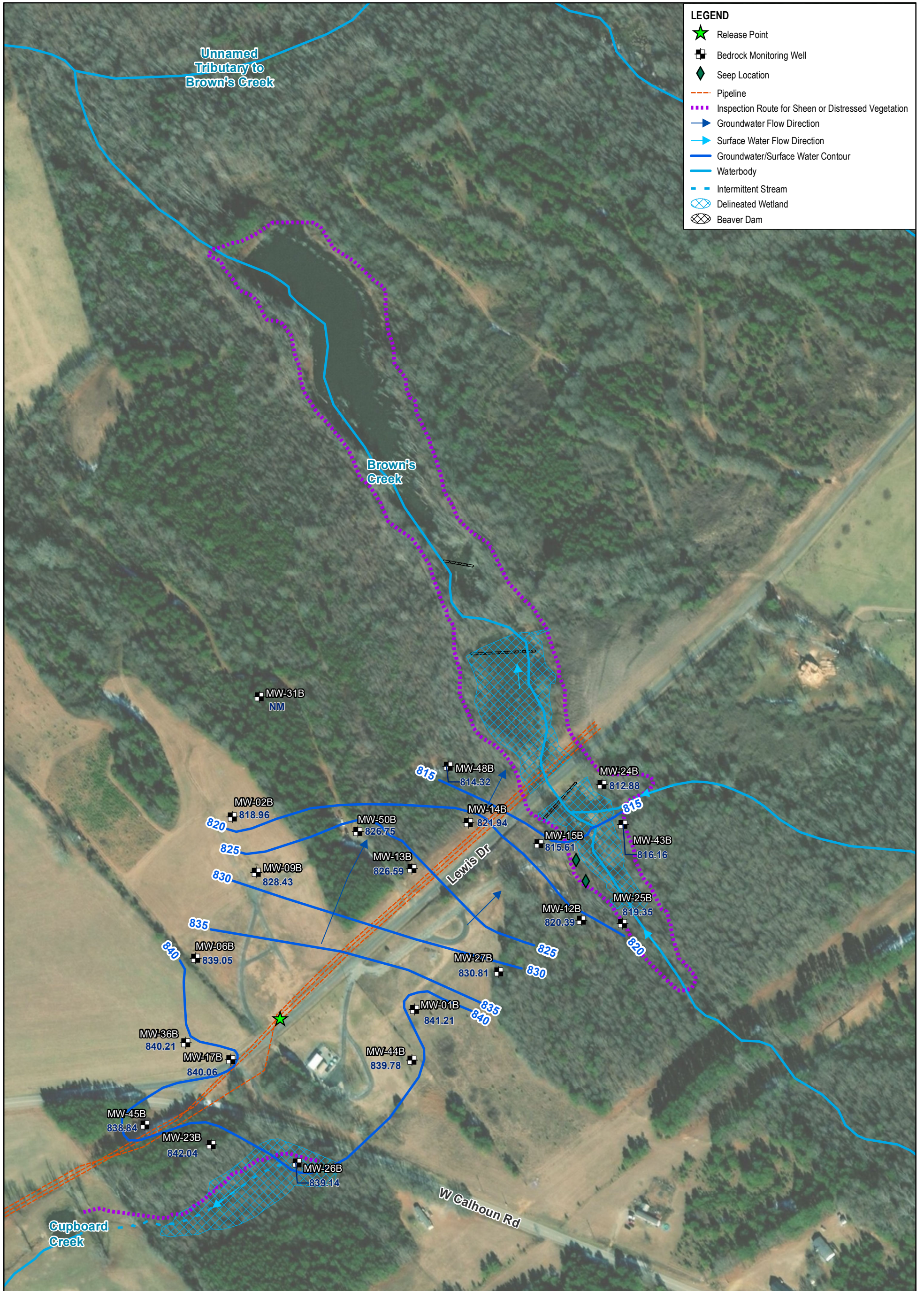
**Figure 1. Site Overview**  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"



**826.41** Corrected Groundwater Elevation as of 9/16/2019 in feet above mean sea level  
**NM** Not measured during this sampling event  
**Dry** Well was dry at time of gauging

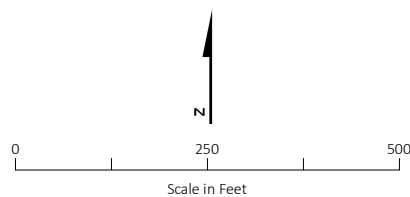
Base Map Sources:  
 \*Environmental Systems Research Institute (Esri)  
 ArcMap World Imagery, 2018. Basemap features are approximate.  
 \*United States Geological Survey (USGS)  
 National Hydrography Dataset (NHD)

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

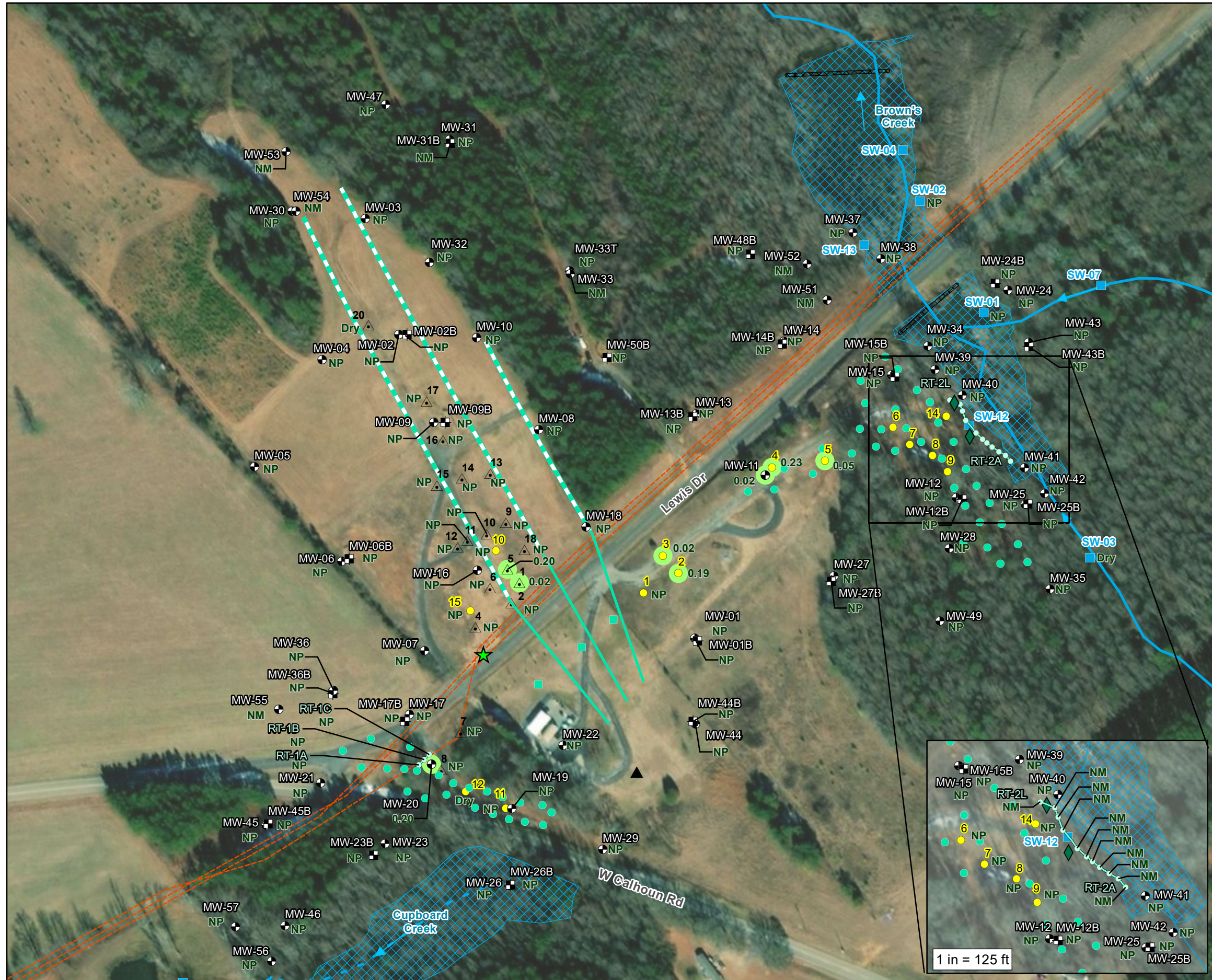


**818.96** Corrected Groundwater Elevation as of 9/16/2019 in feet above mean sea level  
**NM** Not measured during this sampling event

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)



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



**LEGEND**

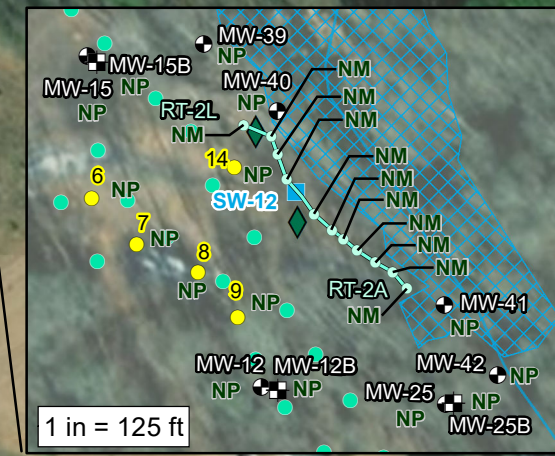
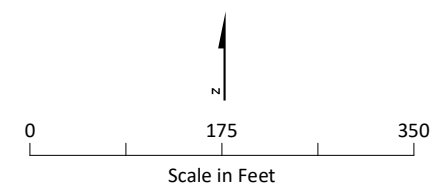
- ★ Release Point
- ⊕ Monitoring Well
- ⊕ Bedrock Monitoring Well
- ◆ Seep Location
- △ Recovery Sump
- Recovery Well (4-inch diameter)
- Well Contains Product as of 9/16/19
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Surface Water Sampling Location
- ▲ Septic Tank
- Recovery 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 9/16/2019

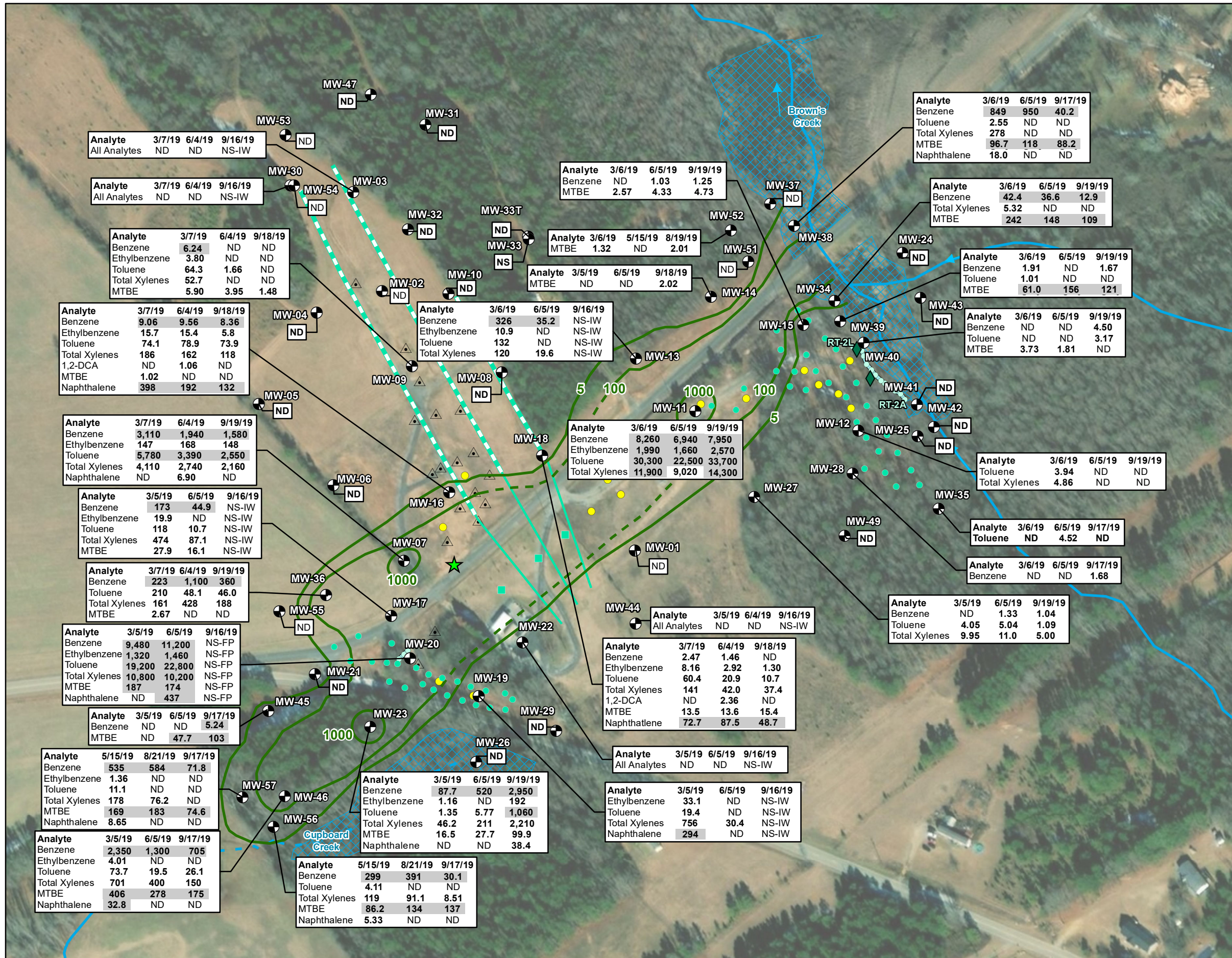
NP No product detected

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)



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



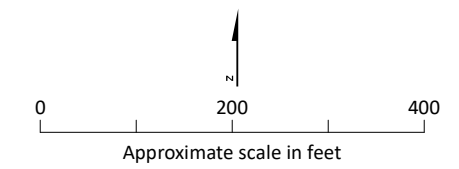
**LEGEND**

- ★ 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 September 2019 (µg/L) (Dashed where inferred)
- Waterbody
- Intermittent Stream
- ▨ Delineated Wetland

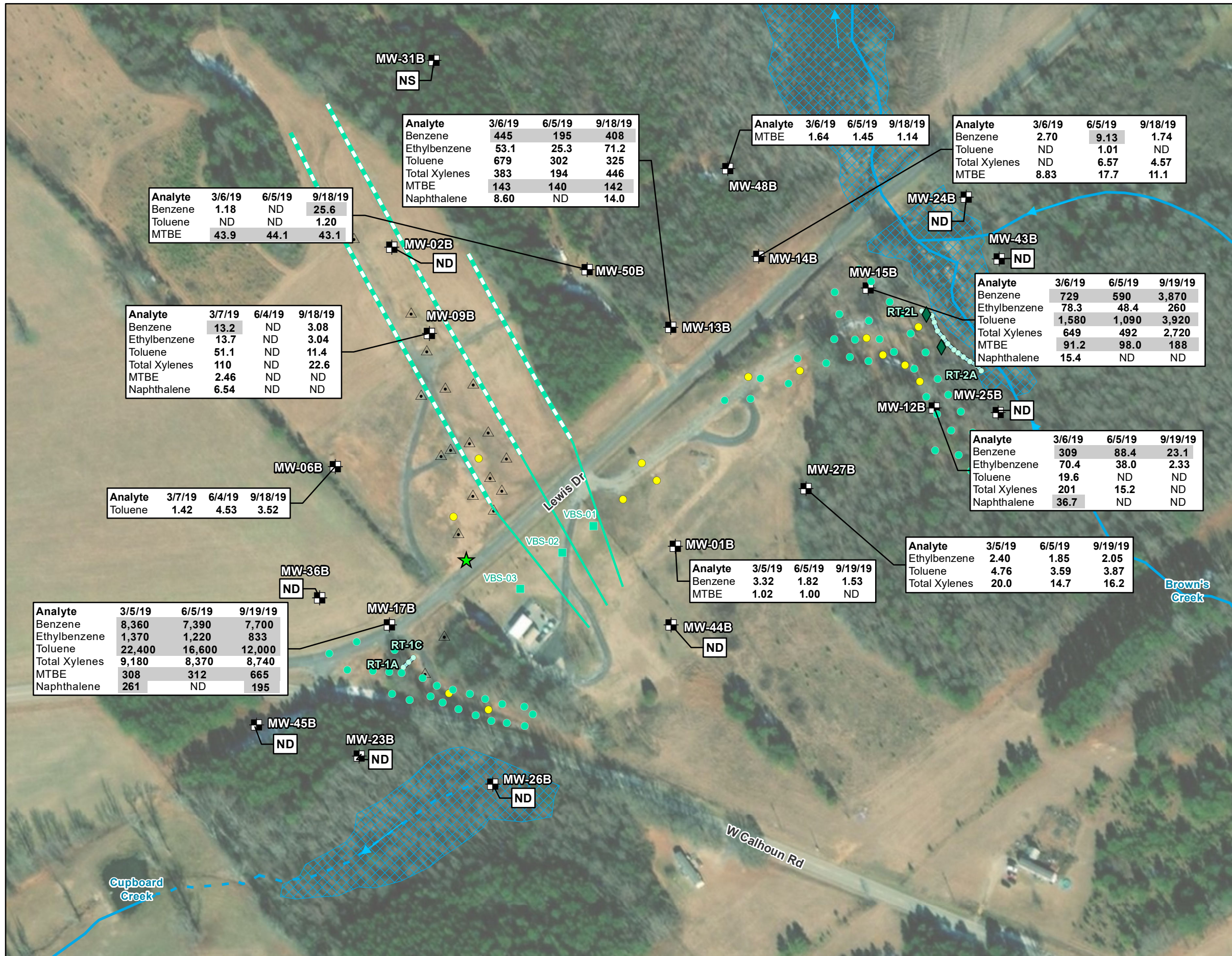
- NOTES:**
1. Total Xylenes is the sum of m&p xylenes and o-xylene.
  2. MTBE = Methyl Tertiary Butyl Ether
  3. 1,2-DCA = 1,2-dichloroethane
  4. Analyte concentration in microgram(s) per liter (µg/L)
  5. Only detected analytes are shown on map.
  6. ND = Groundwater was collected and analyzed, but 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-PS = Sample not collected due to product sheen observed in well
  10. NS-IW = Sample not collected due to insufficient volume of water in well

Gray shading 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, March 2019, May/June 2019, and August/September 2019**  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"



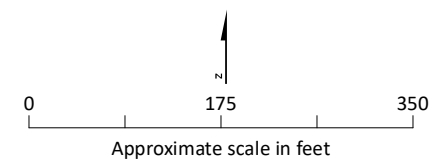
**LEGEND**

- ★ Release Point
- ⊠ Bedrock Monitoring Well
- Vertical Bedrock Spring Well
- Vertical Saprolite Spring 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:**  
 All analyte concentrations in microgram(s) per liter (µg/L).  
 Total Xylenes is the sum of m&p xylenes and o-xylene.  
 MTBE = Methyl Tertiary Butyl Ether  
 Only detected analytes are shown on map.  
 ND = Groundwater was collected and analyzed, but no analytes were detected above the reported sample quantitation limit.  
 NS = Not sampled during this event.

Gray shading 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)

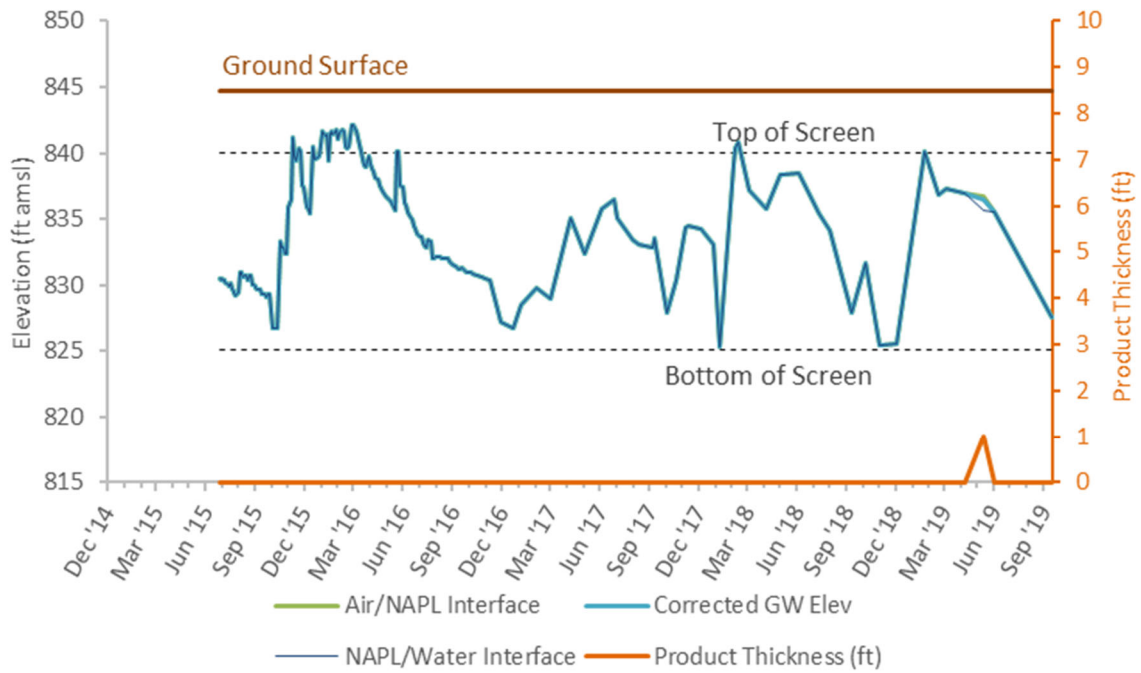


**Figure 4B. Groundwater Analytical Results in Bedrock Aquifer, March 2019, June 2019, and September 2019**  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

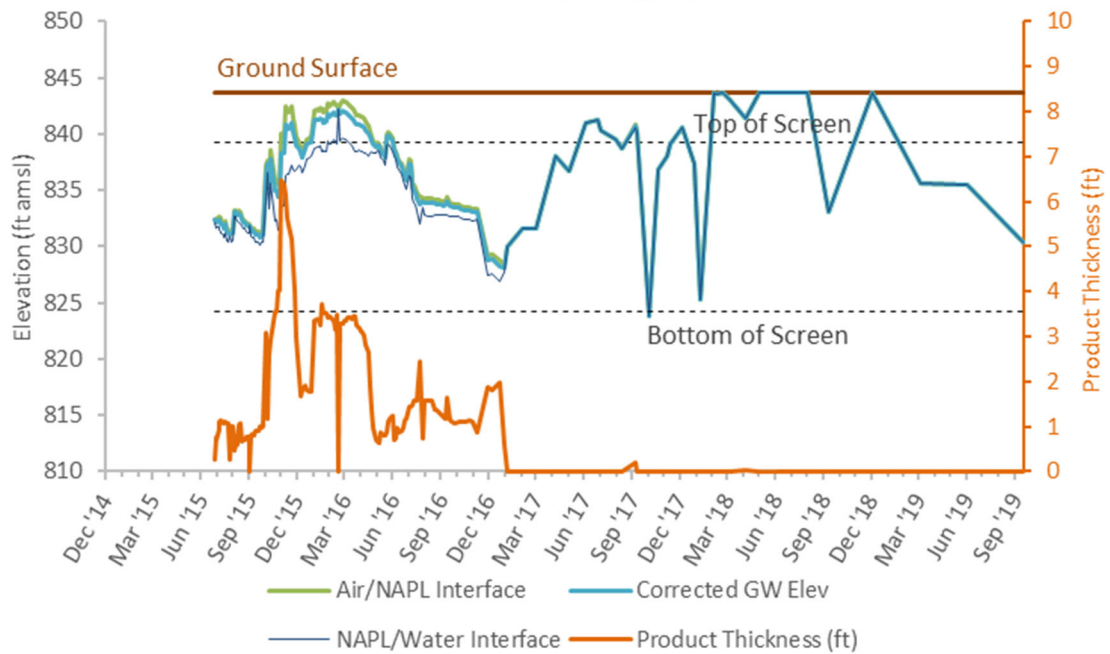
**Attachment A**  
**Product Thickness Trends**



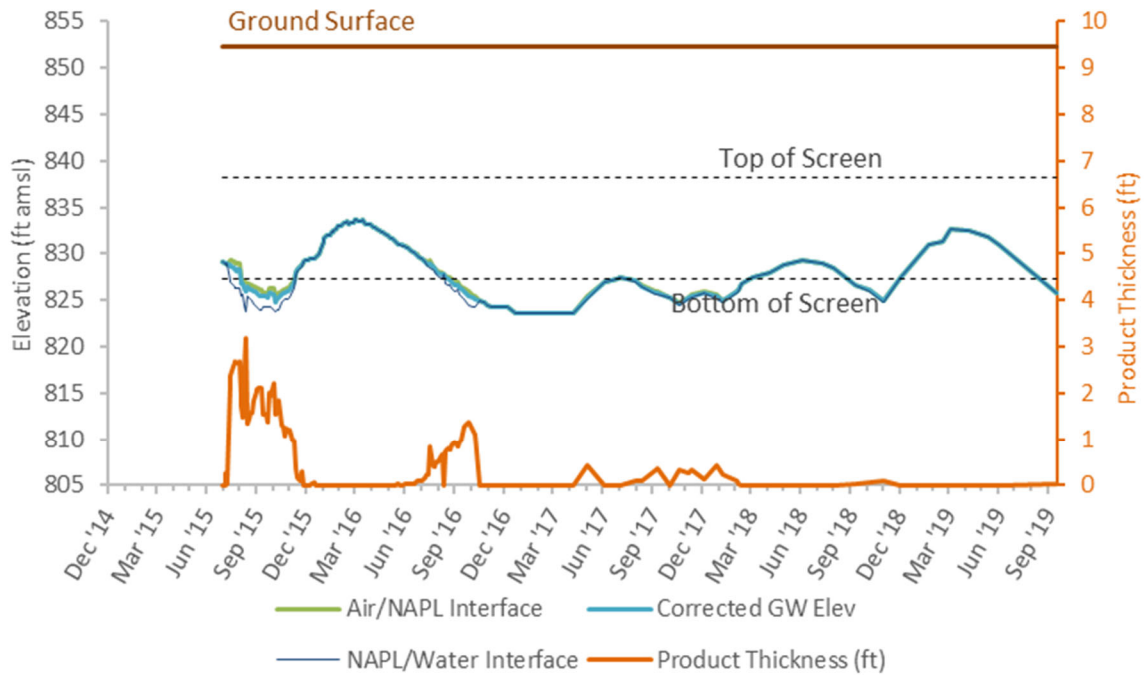
### MW-08 Hydrograph



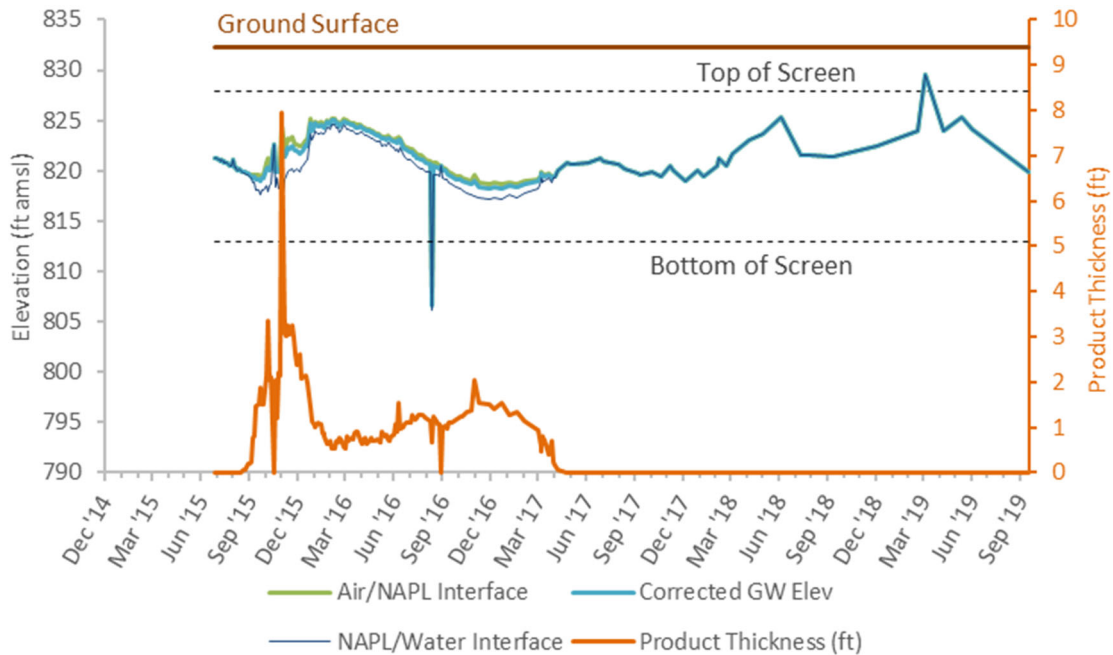
### MW-09 Hydrograph



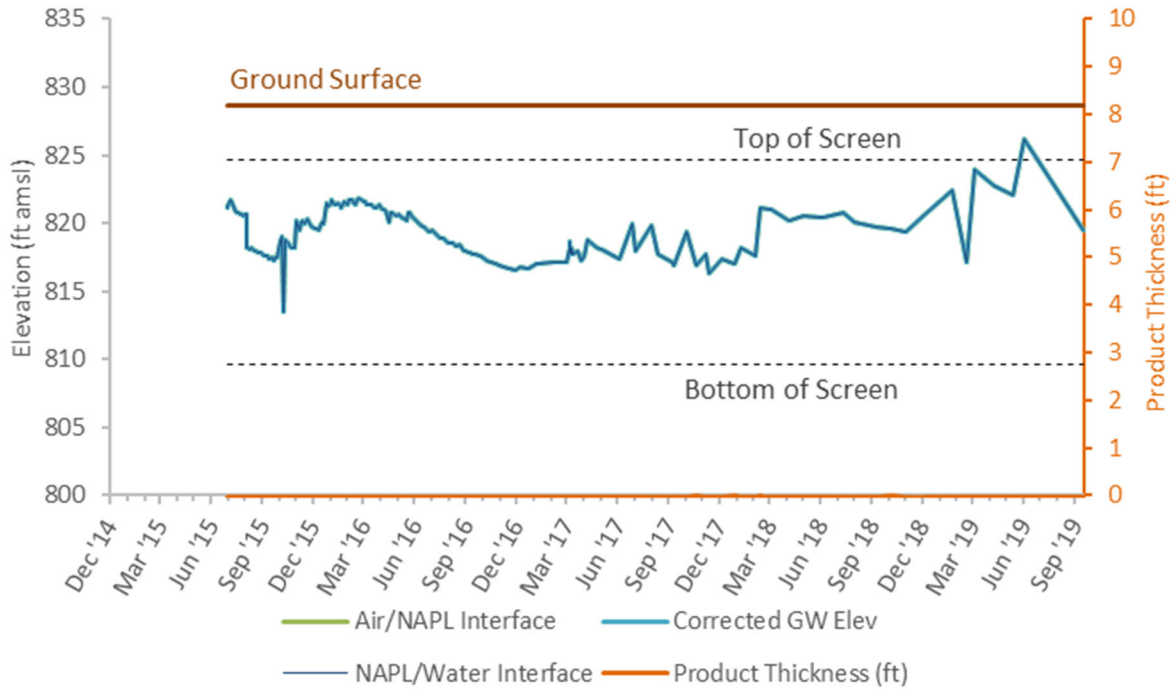
### MW-11 Hydrograph



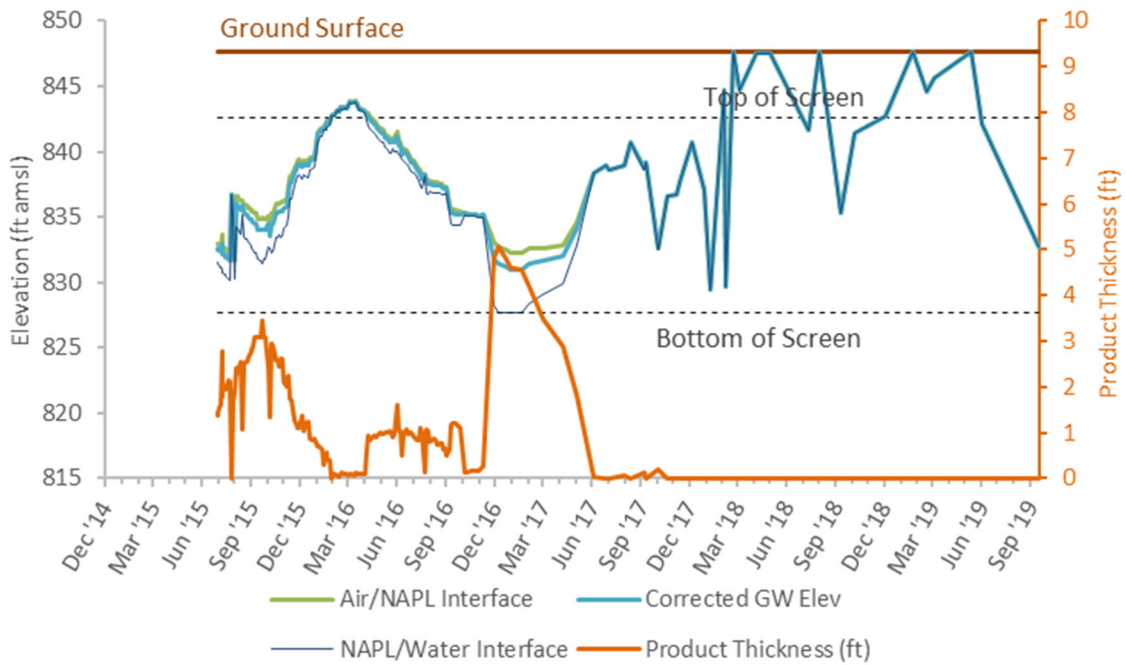
### MW-12 Hydrograph

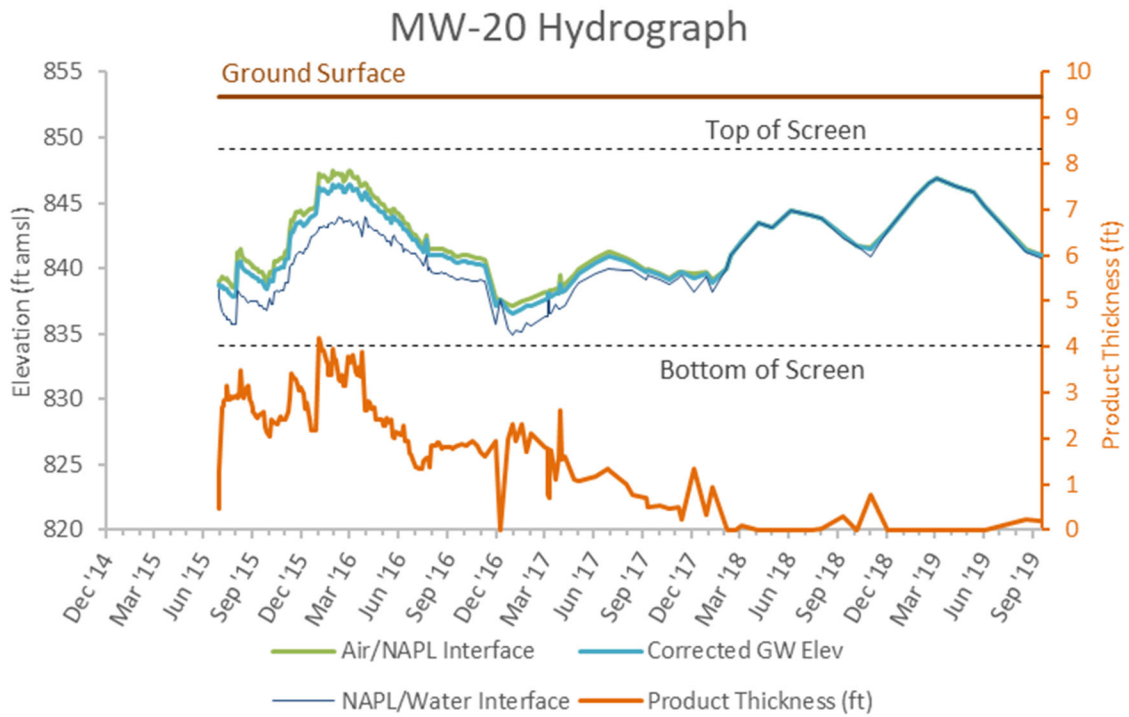
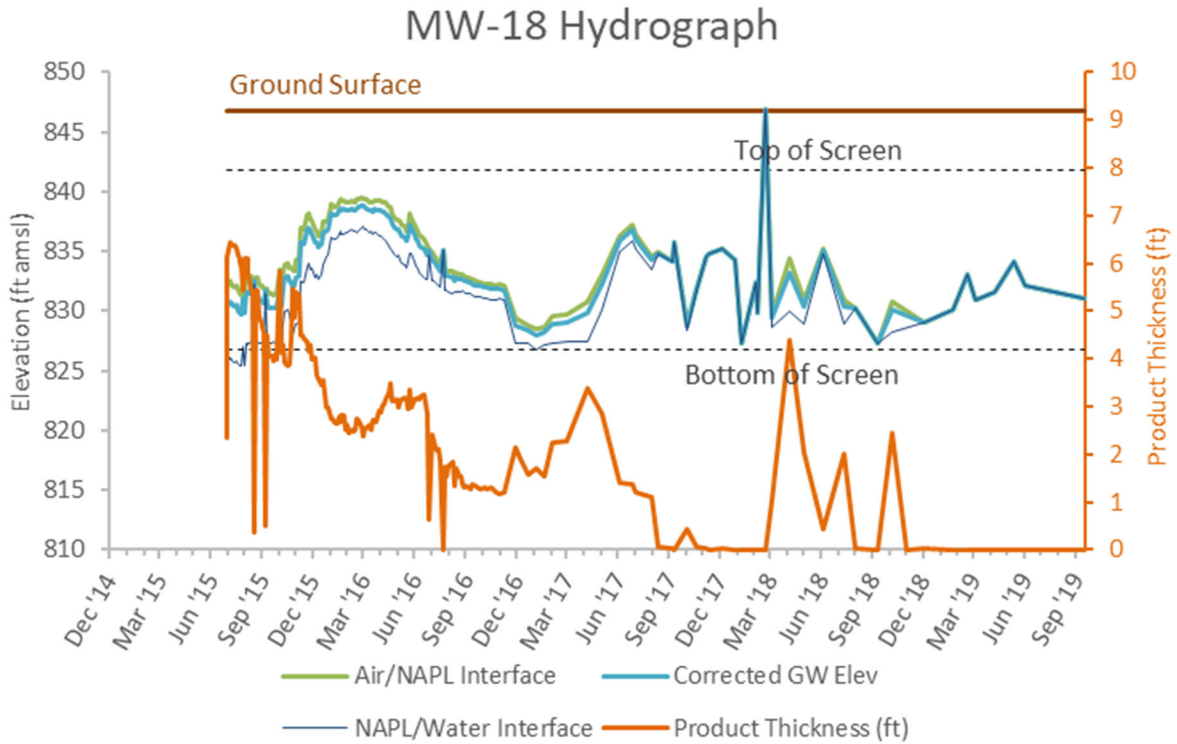


### MW-15 Hydrograph

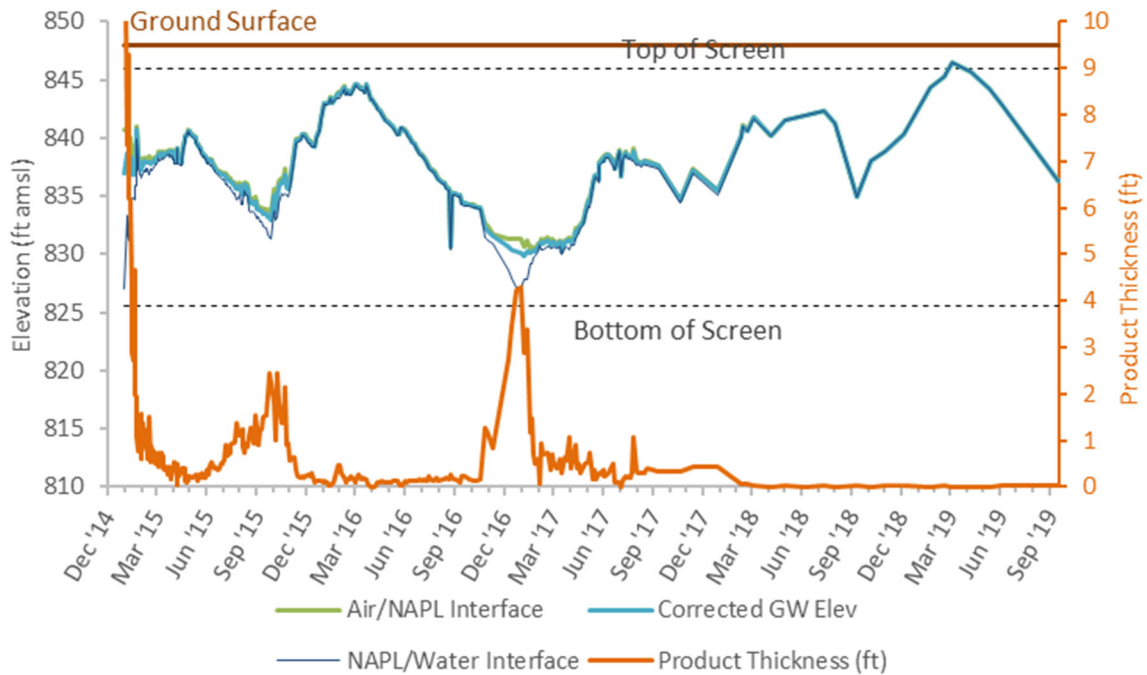


### MW-16 Hydrograph

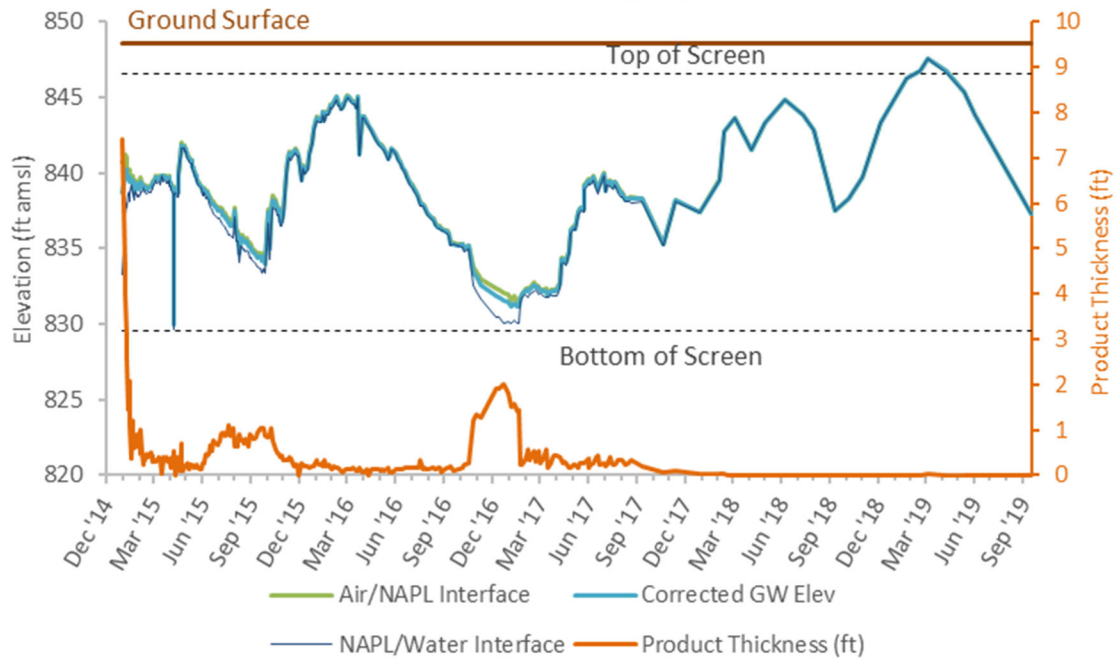




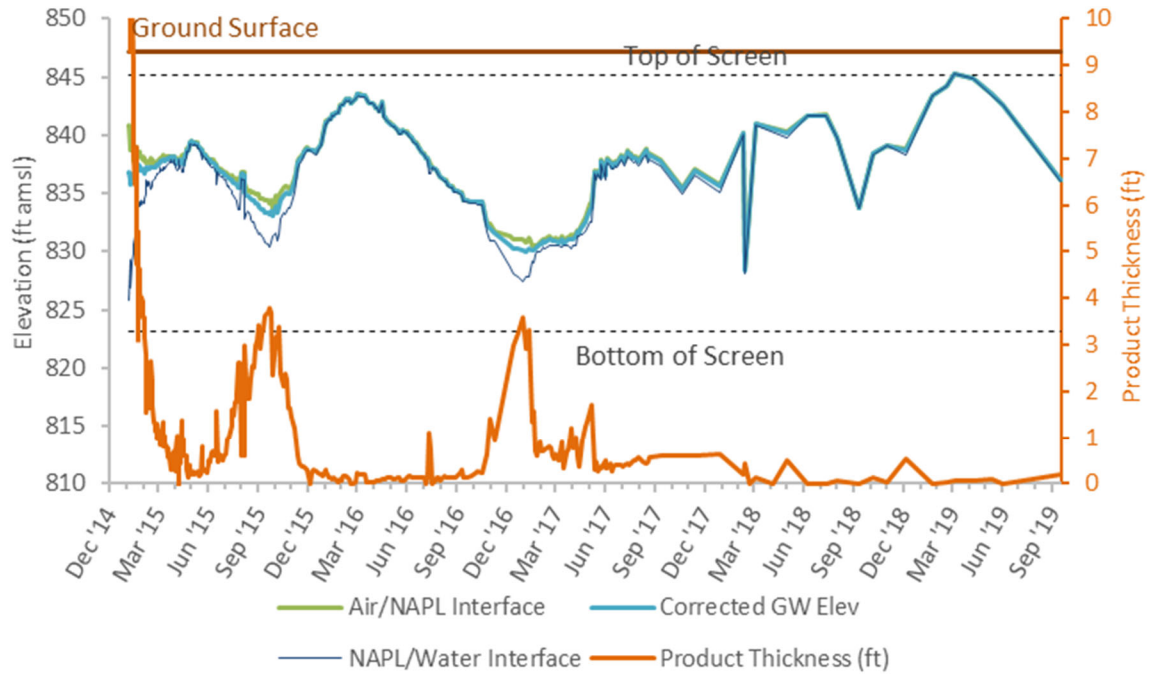
RS-01 Hydrograph



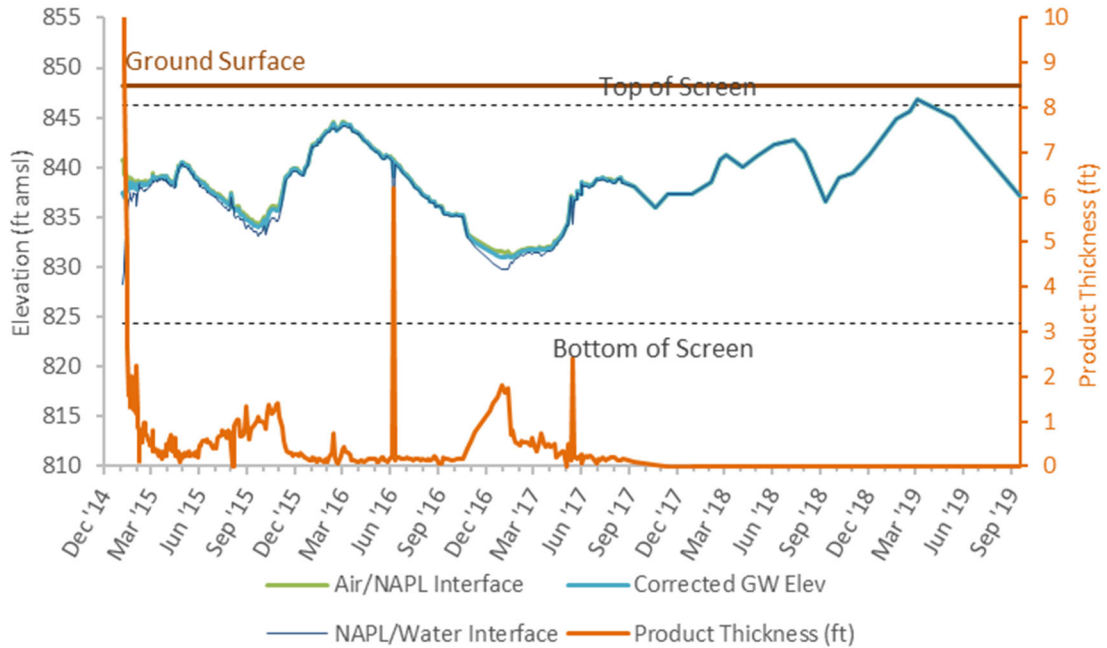
RS-02 Hydrograph



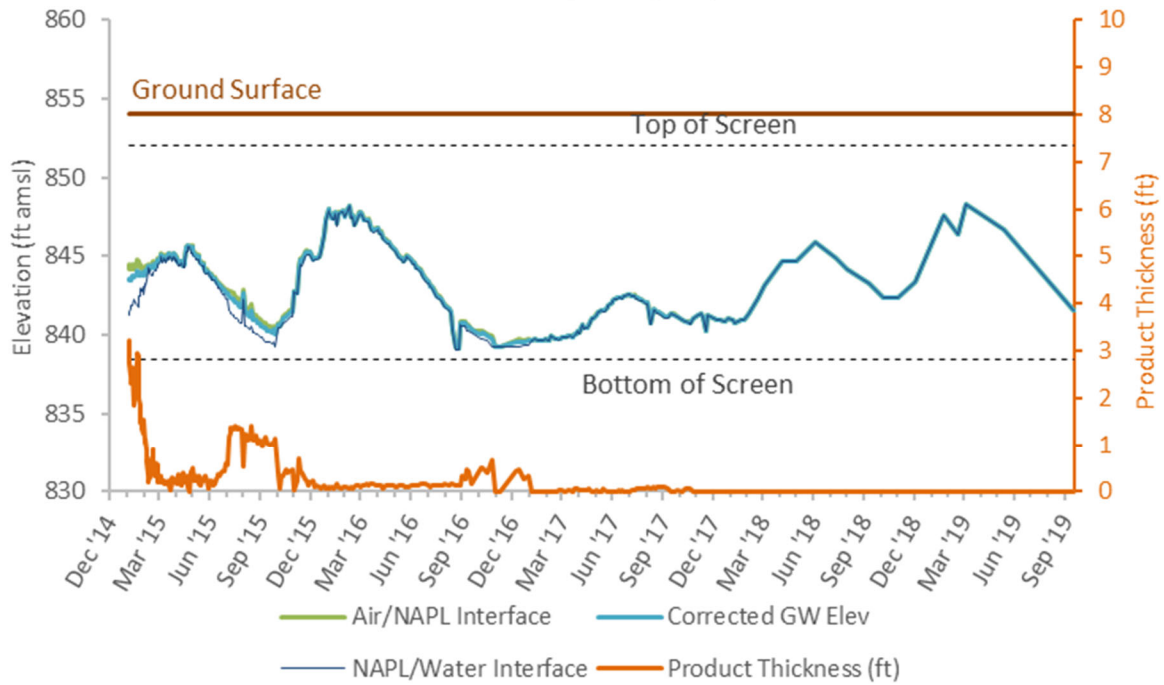
### RS-05 Hydrograph



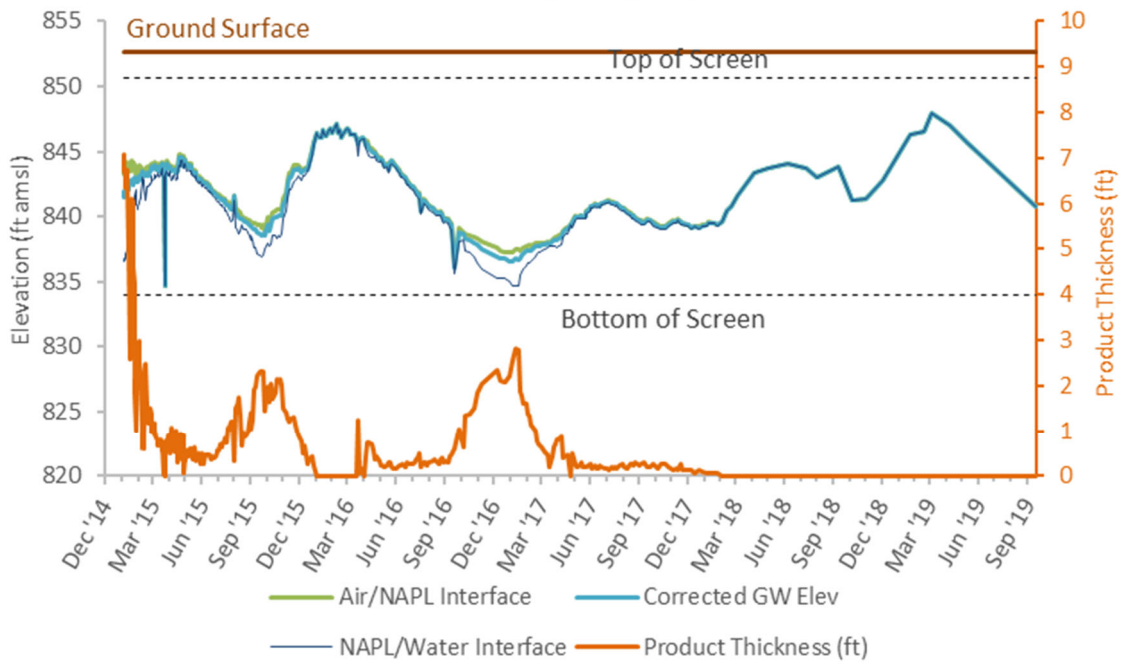
### RS-06 Hydrograph



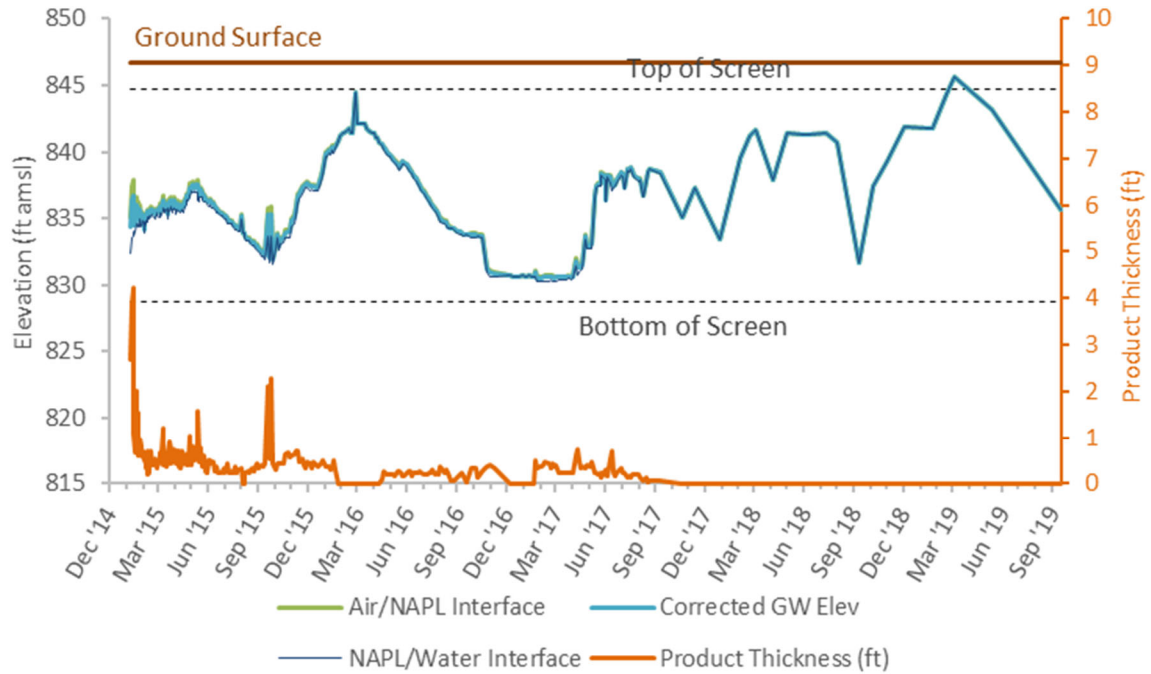
### RS-07 Hydrograph



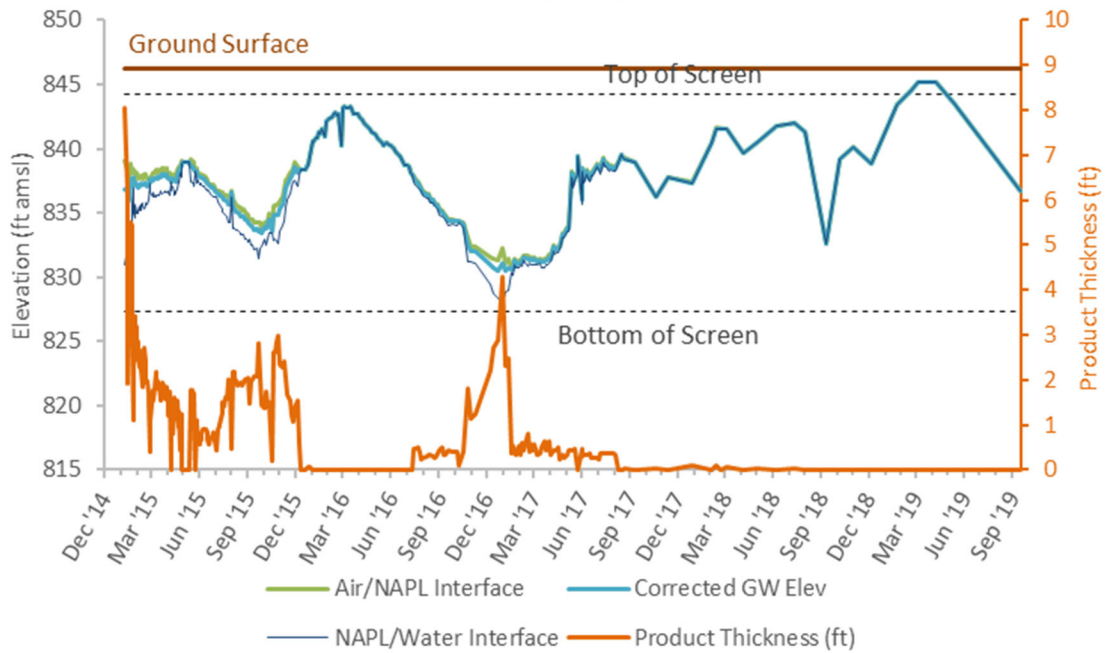
### RS-08 Hydrograph



### RS-09 Hydrograph

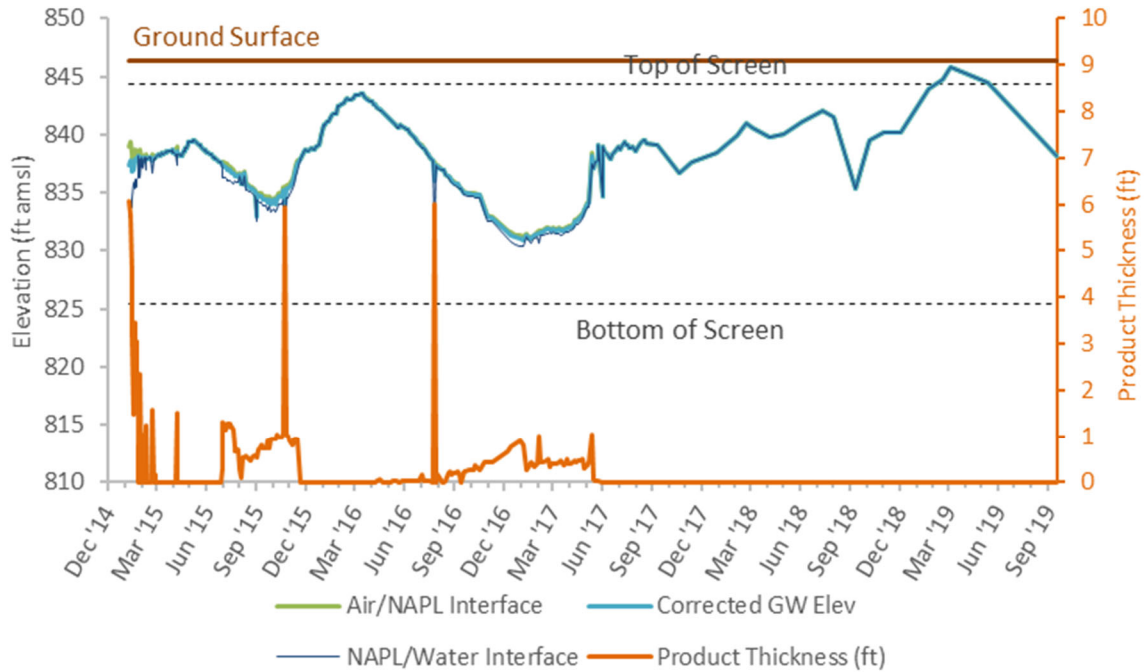


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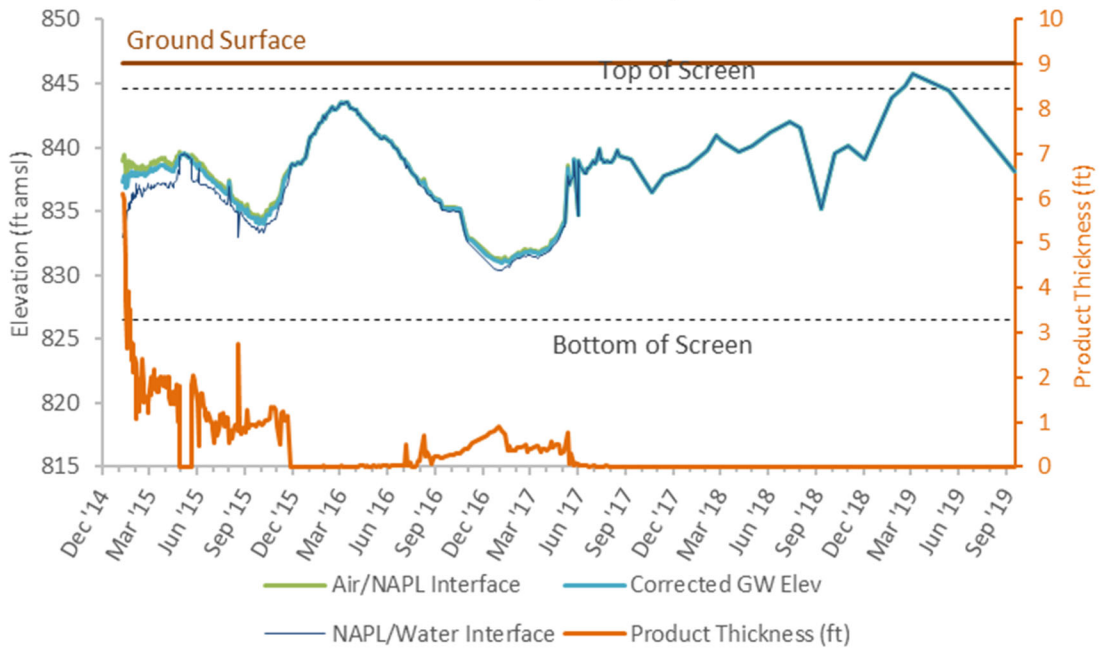




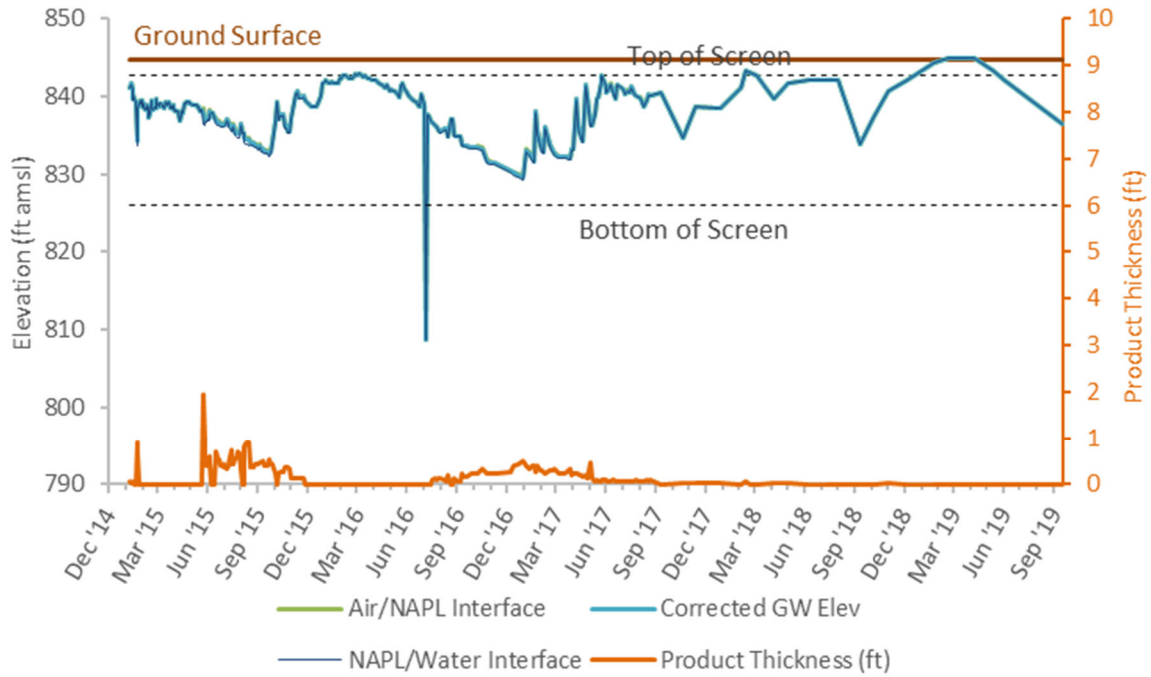
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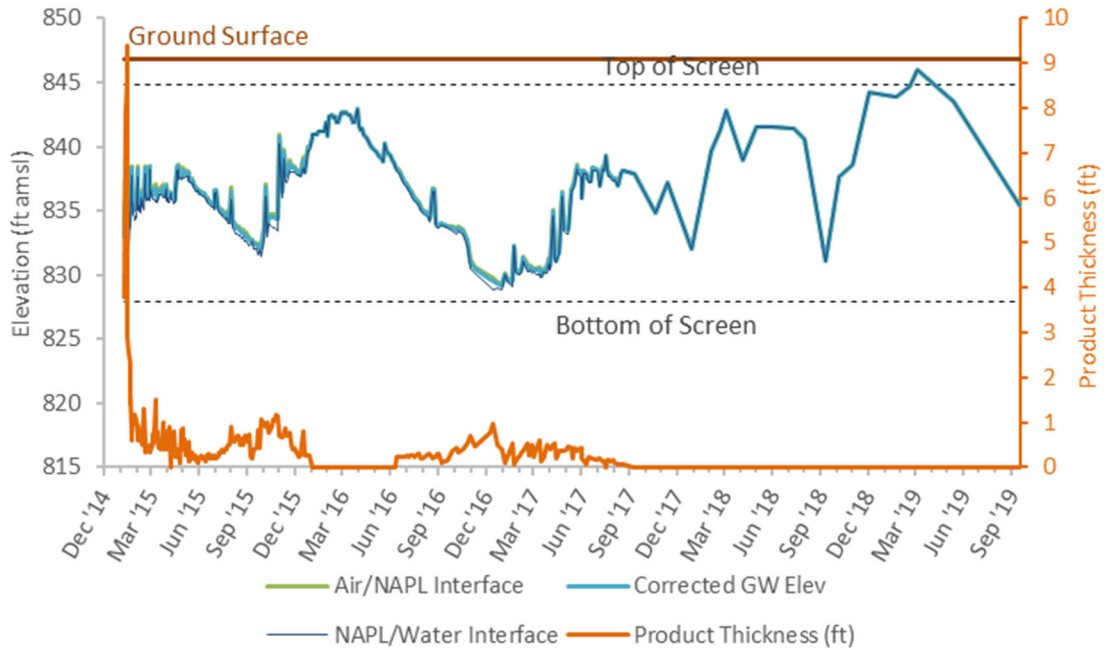
### RS-12 Hydrograph



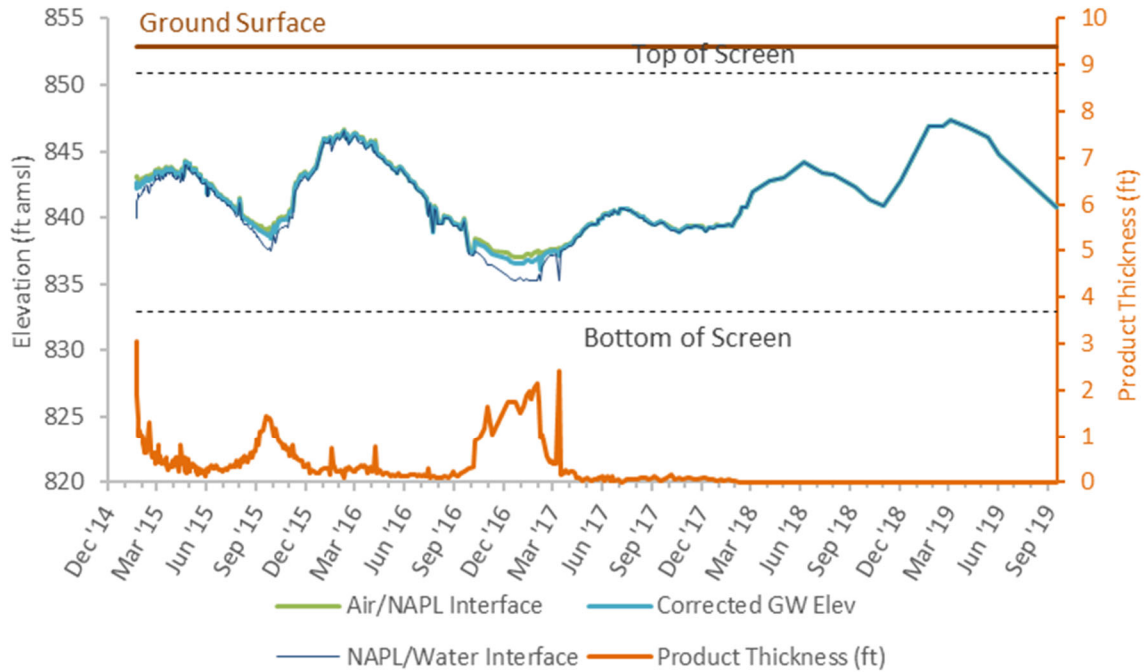
### RS-14 Hydrograph



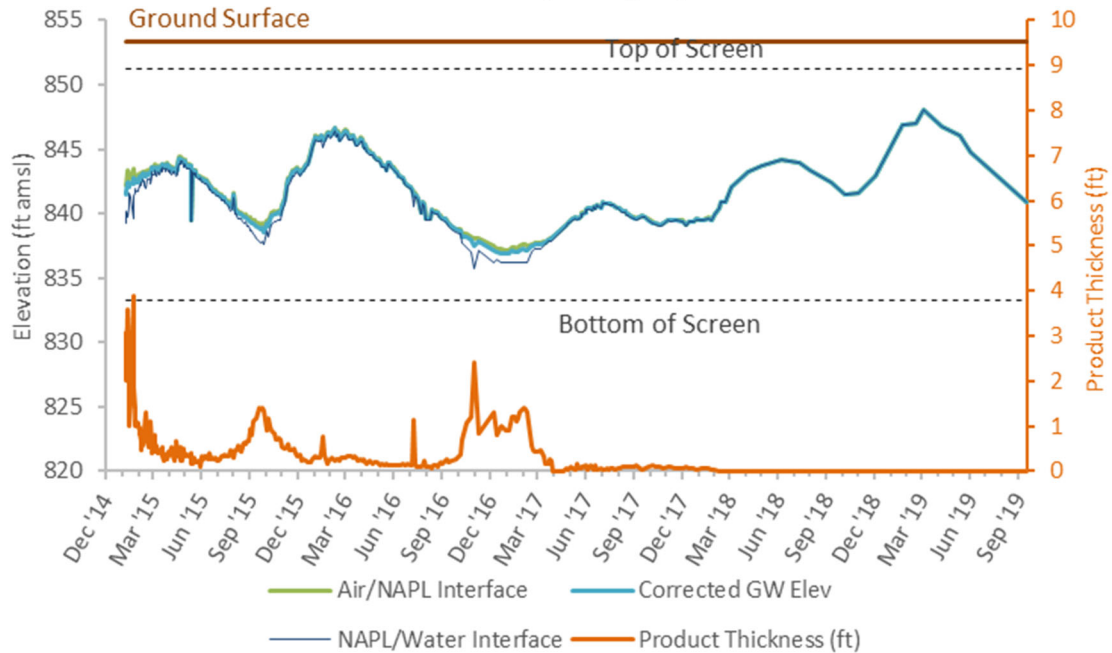
### RS-18 Hydrograph



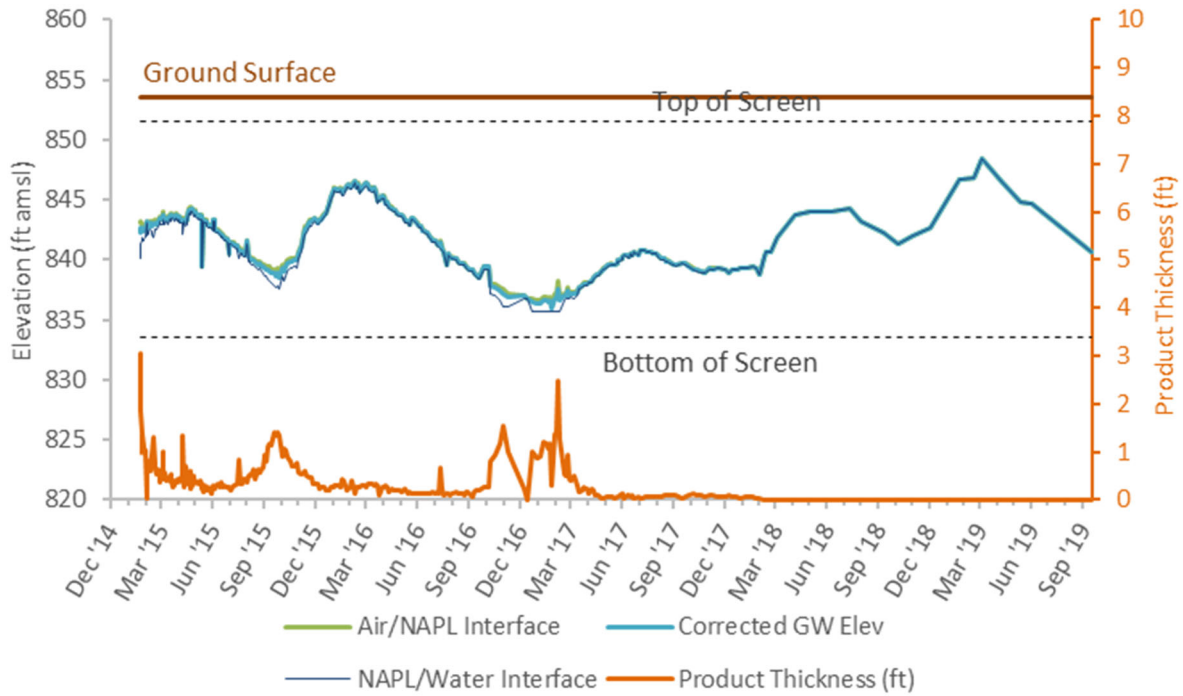
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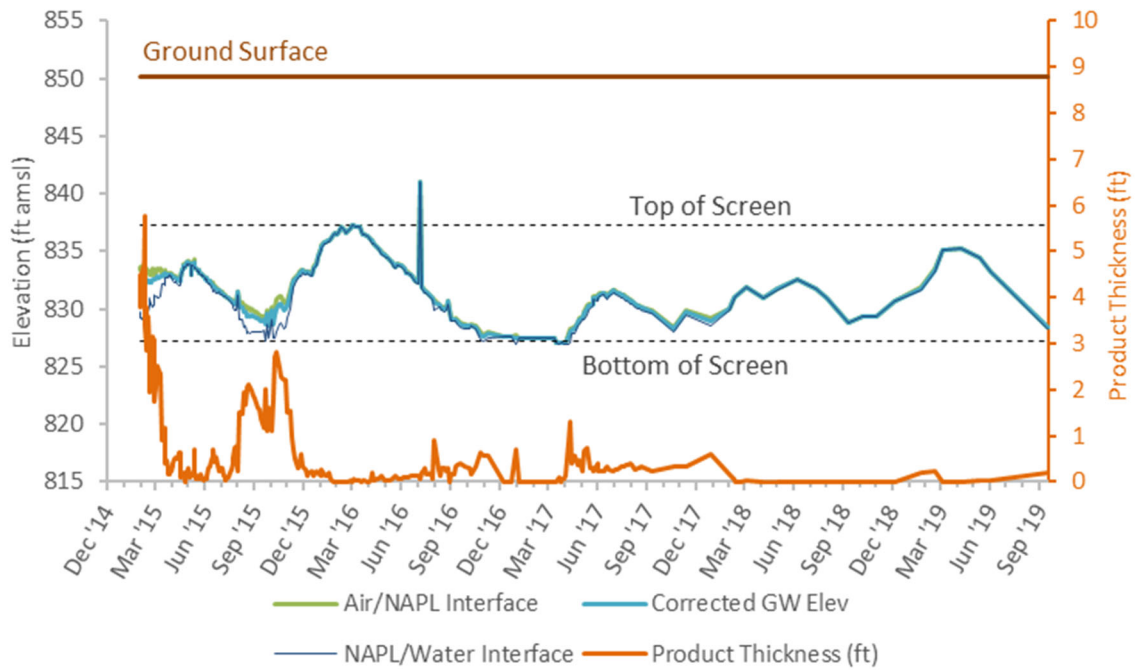
### RT-1B Hydrograph



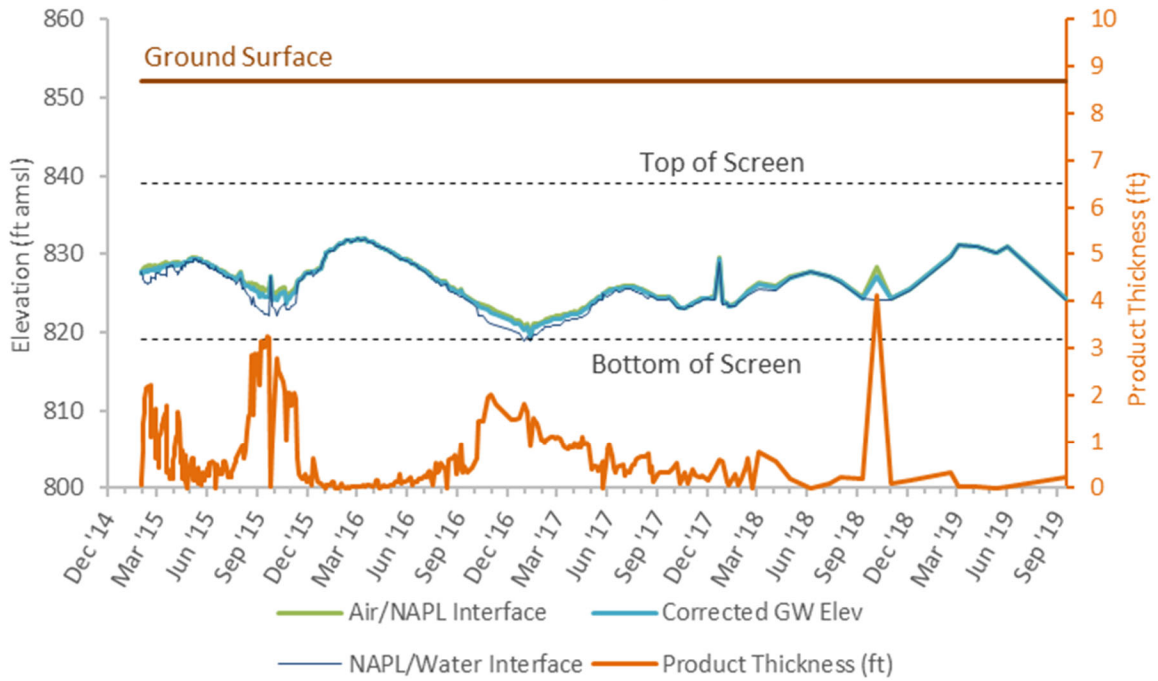
### RT-1C Hydrograph



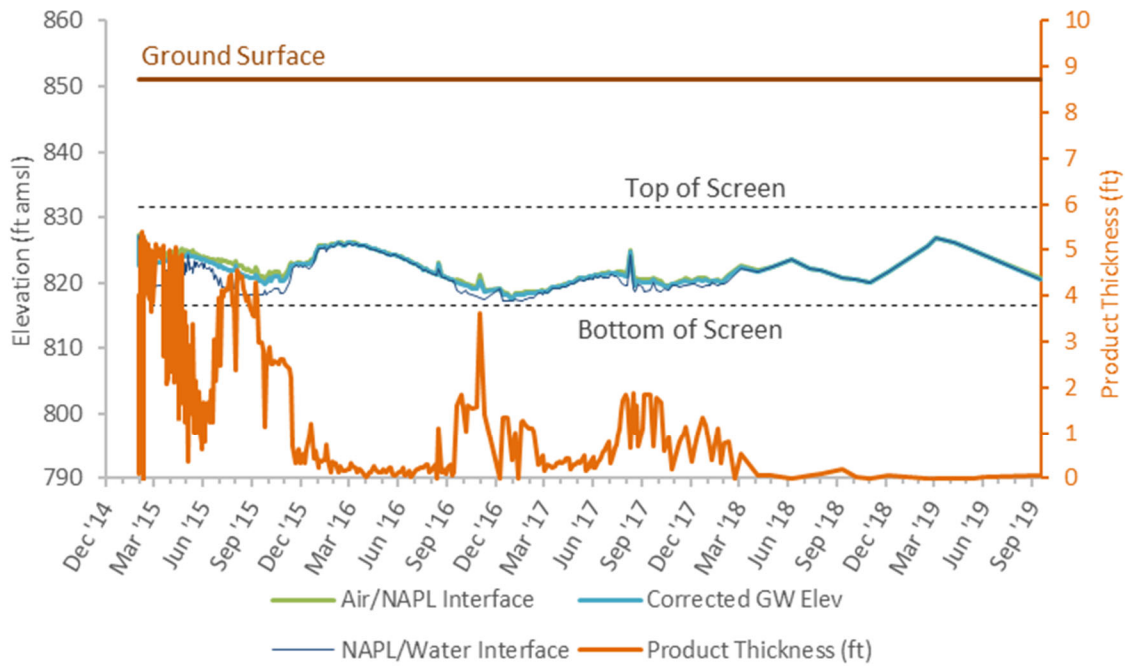
### RW-02 Hydrograph



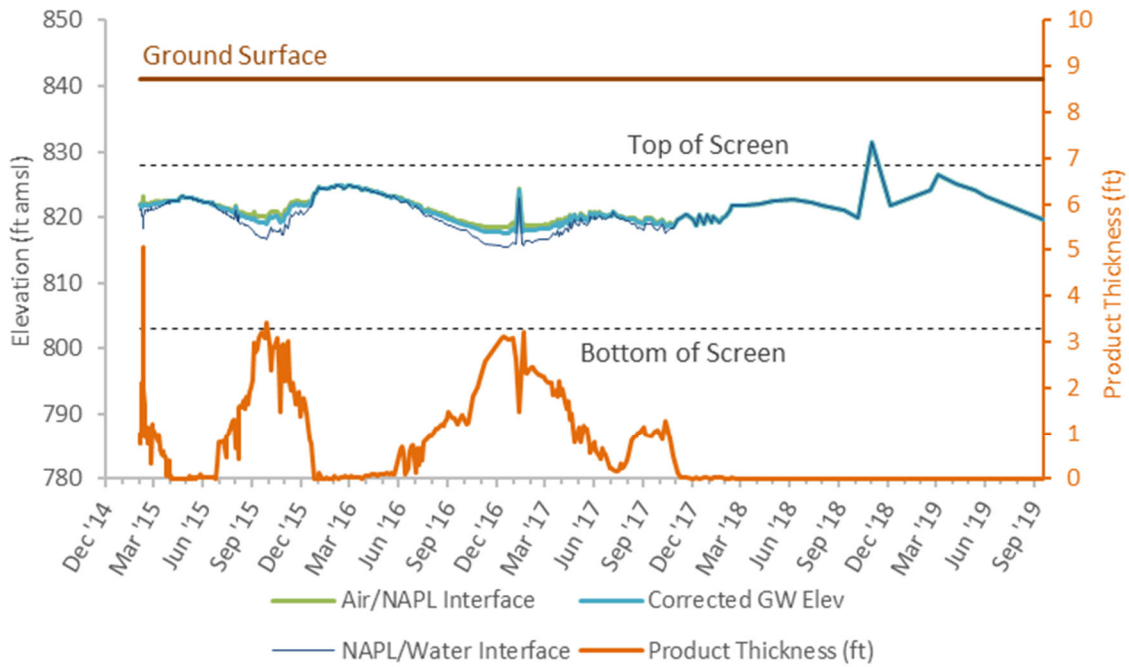
### RW-04 Hydrograph



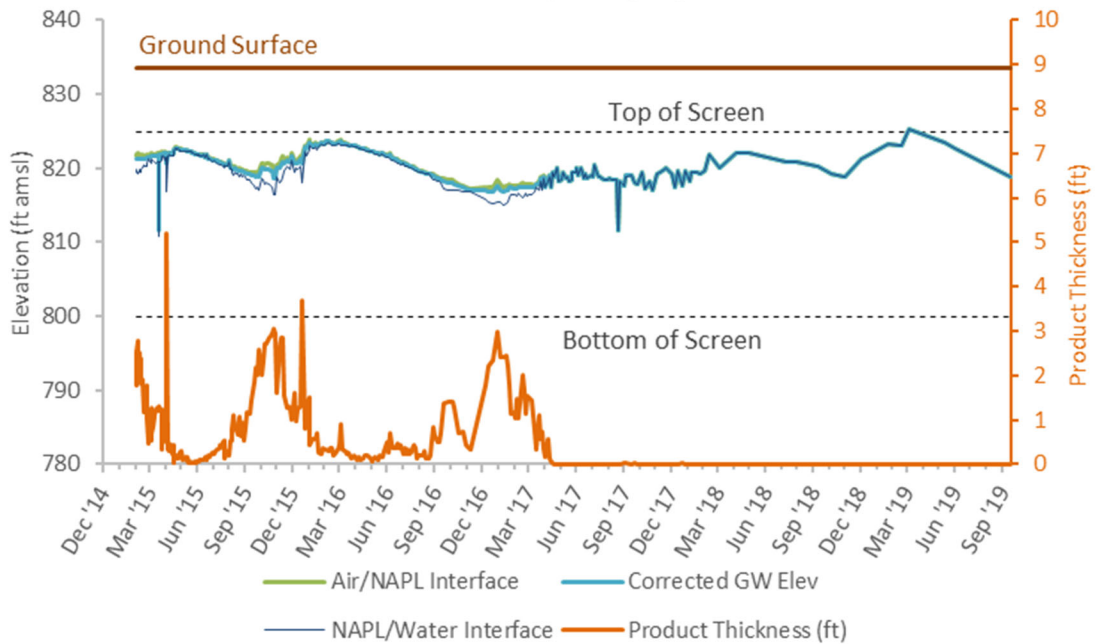
### RW-05 Hydrograph



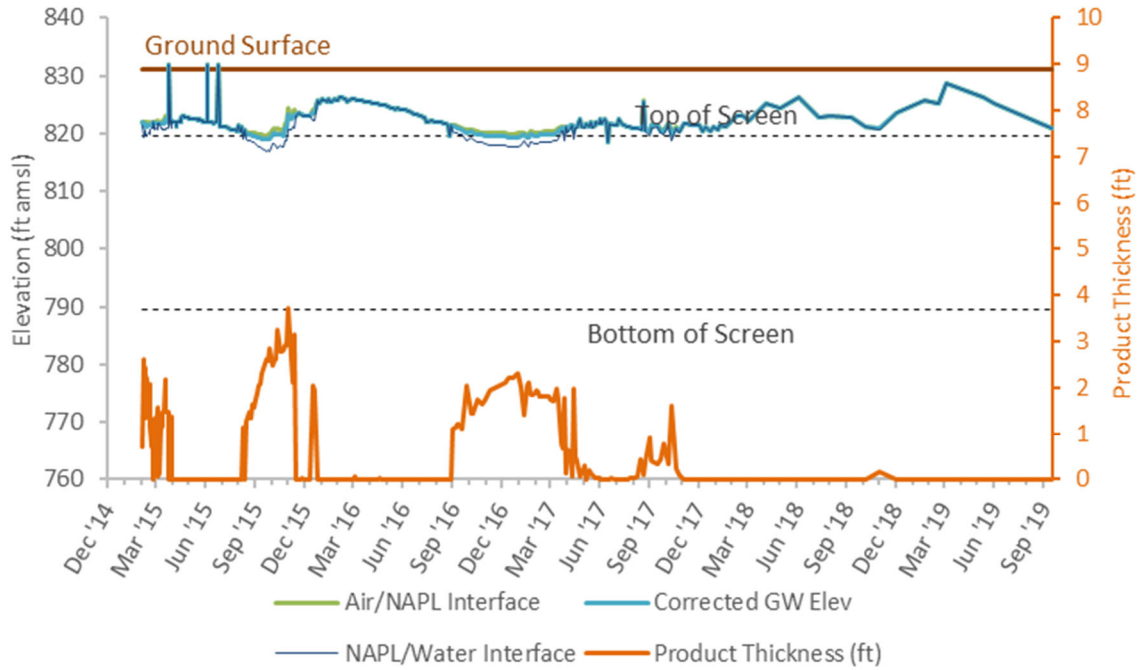
### RW-07 Hydrograph



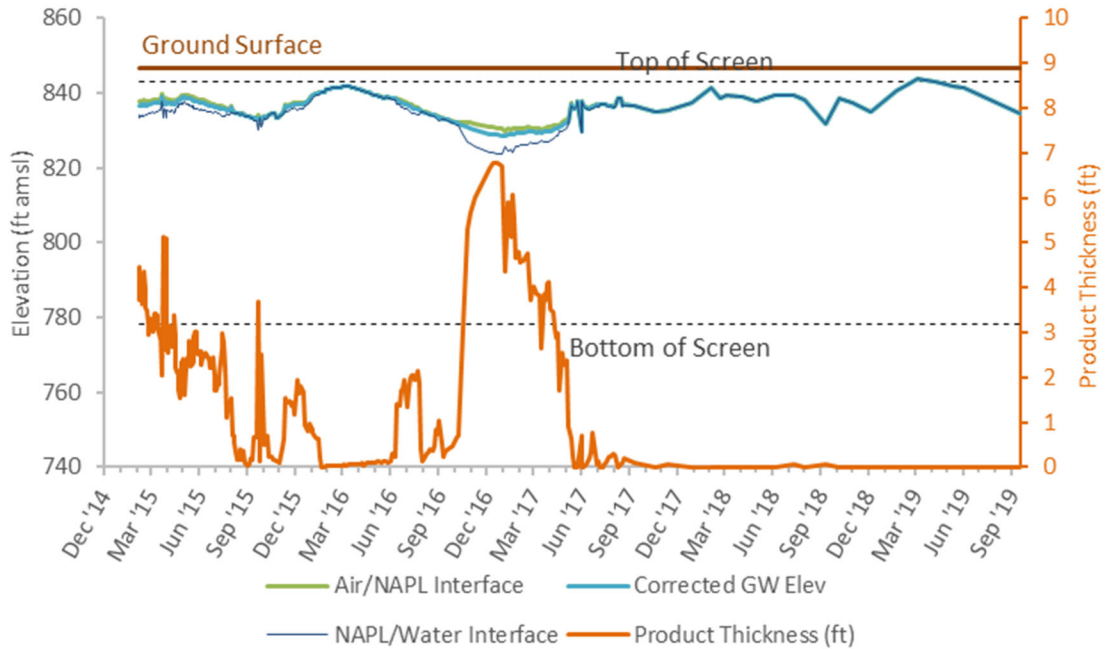
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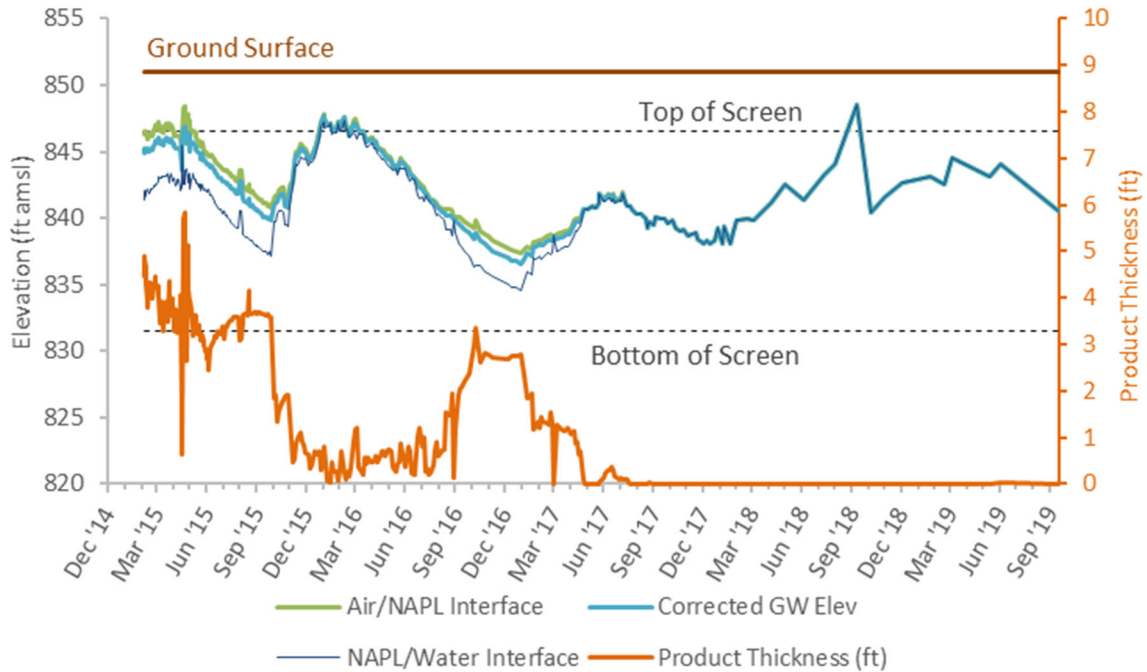
### RW-09 Hydrograph



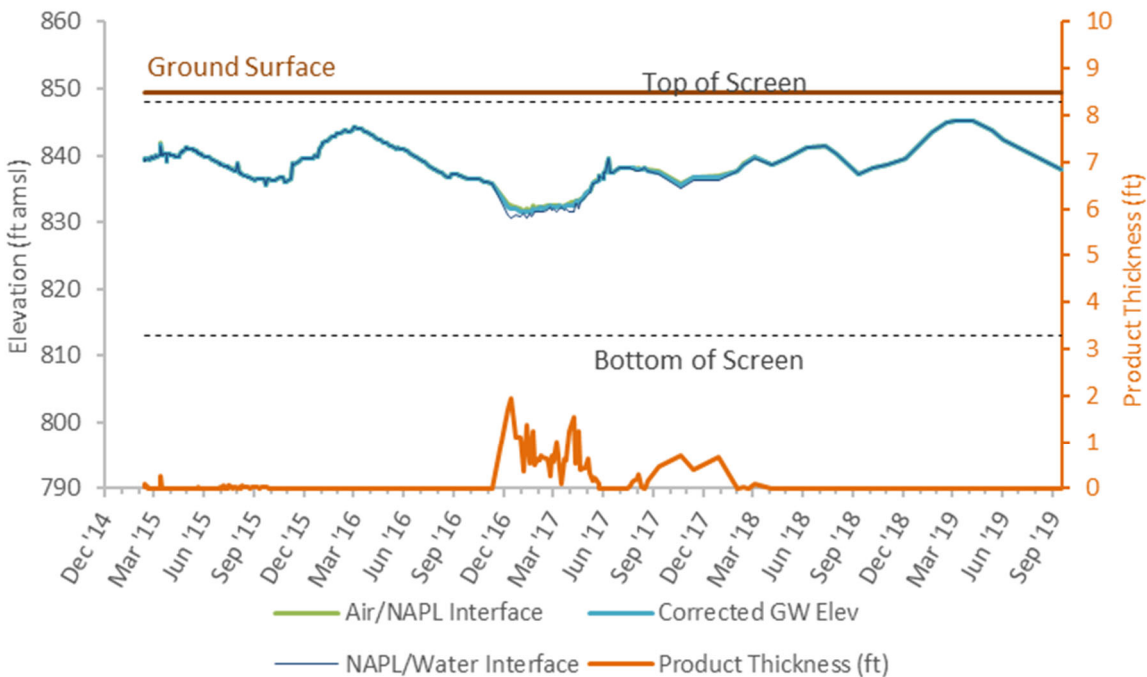
### RW-10 Hydrograph



### RW-11 Hydrograph



### RW-15 Hydrograph

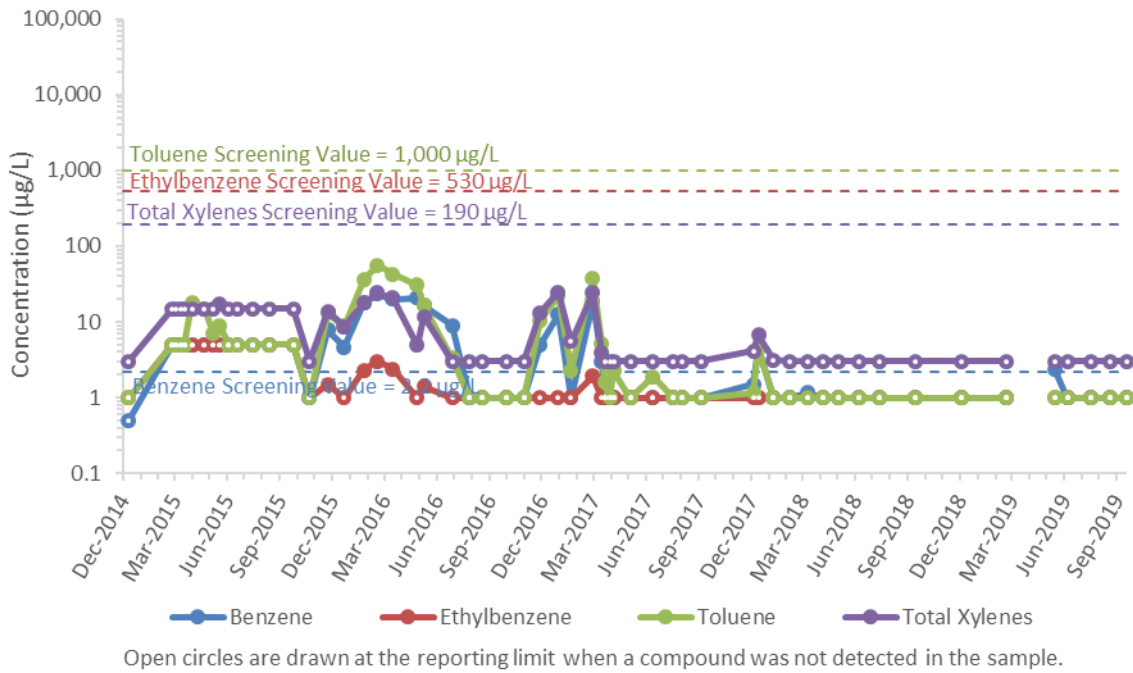




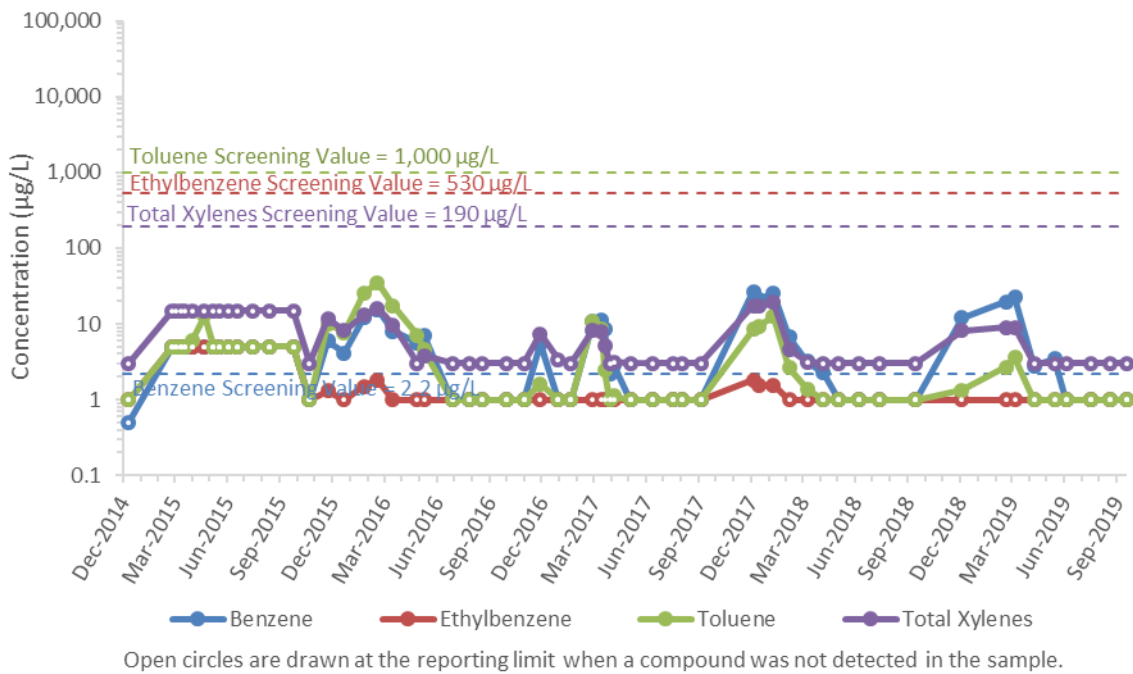
**Attachment B**  
**Surface Water Analytical Trends**

Attachment B – Surface Water Analytical Trends

SW-01

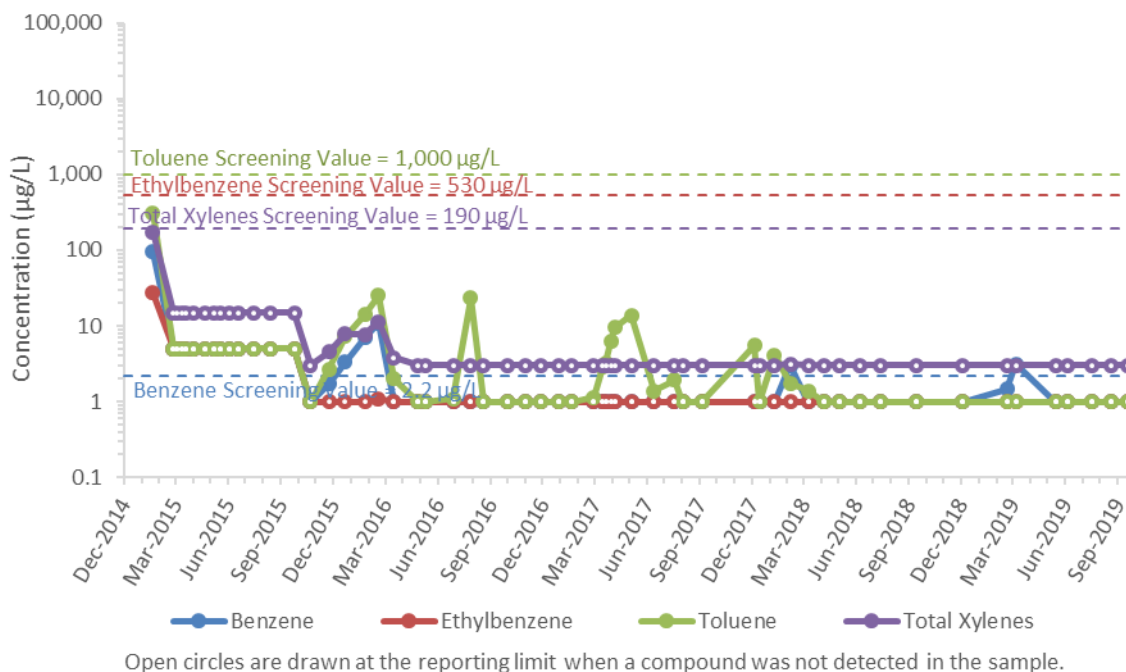


SW-02

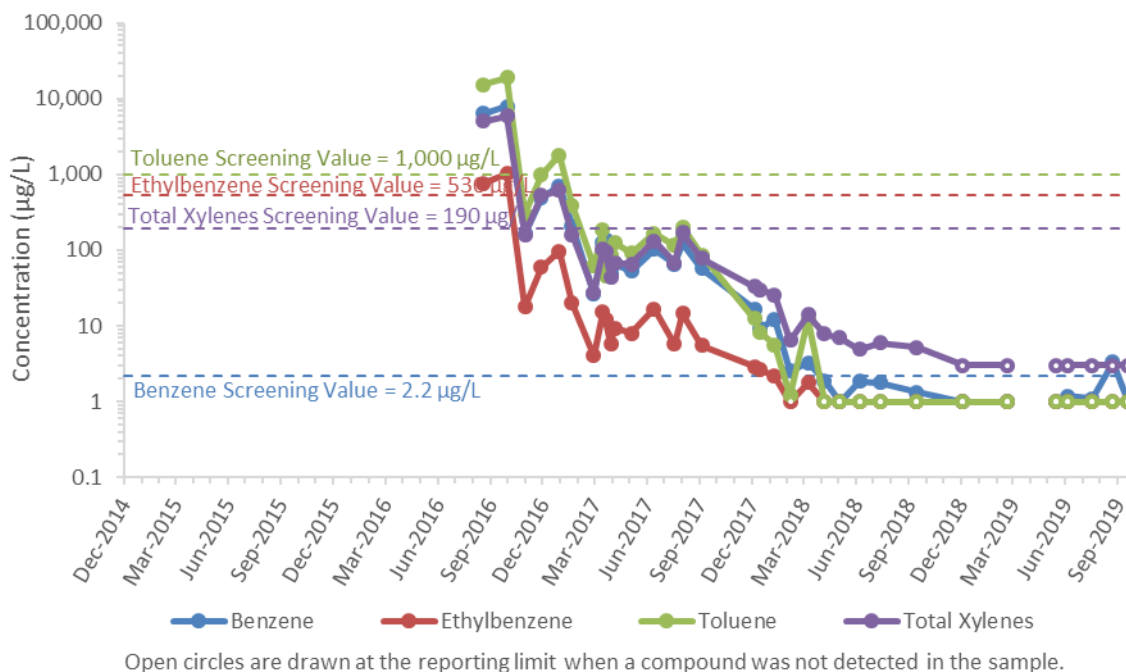


Attachment B – Surface Water Analytical Trends

SW-04

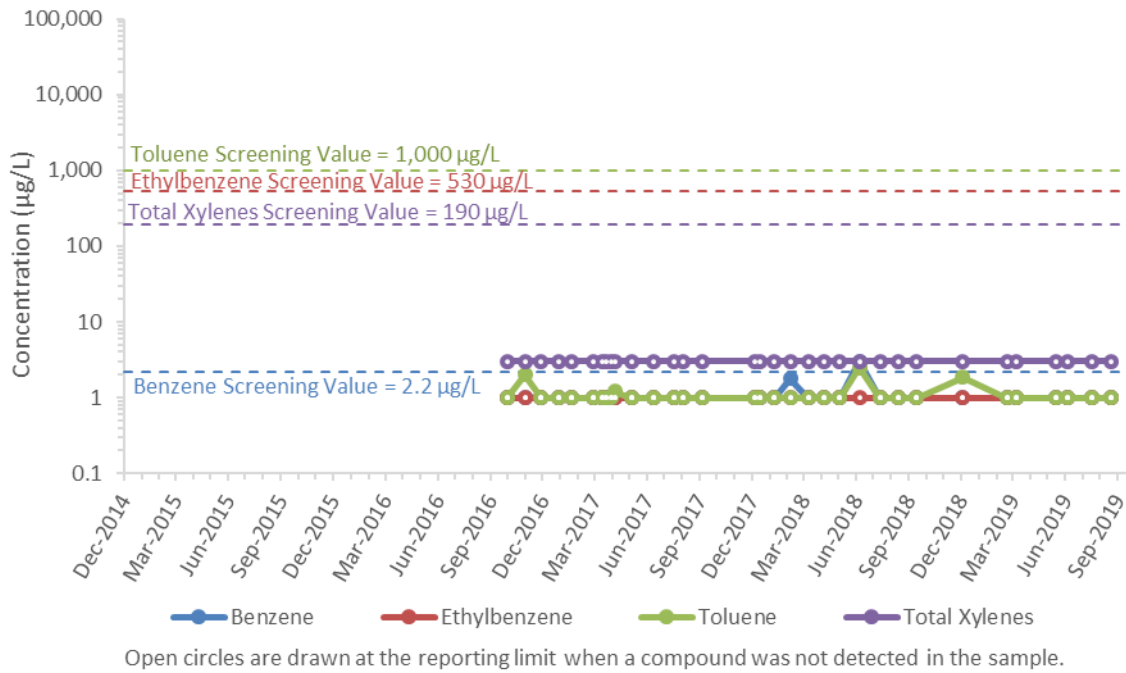


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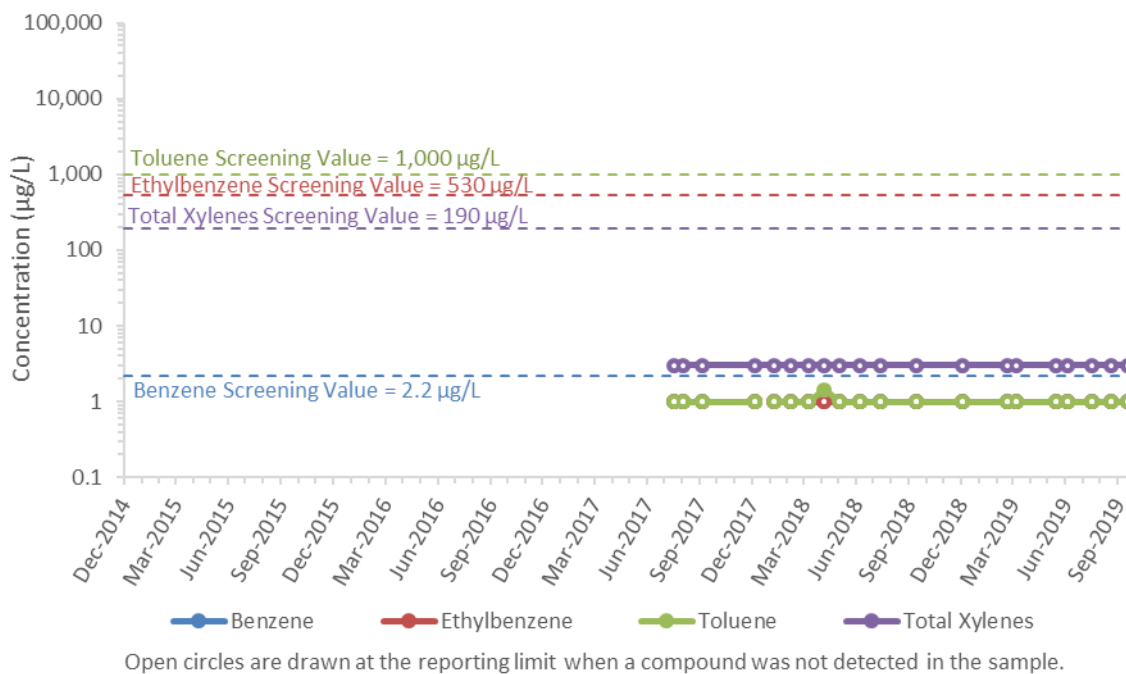


Attachment B – Surface Water Analytical Trends

SW-13

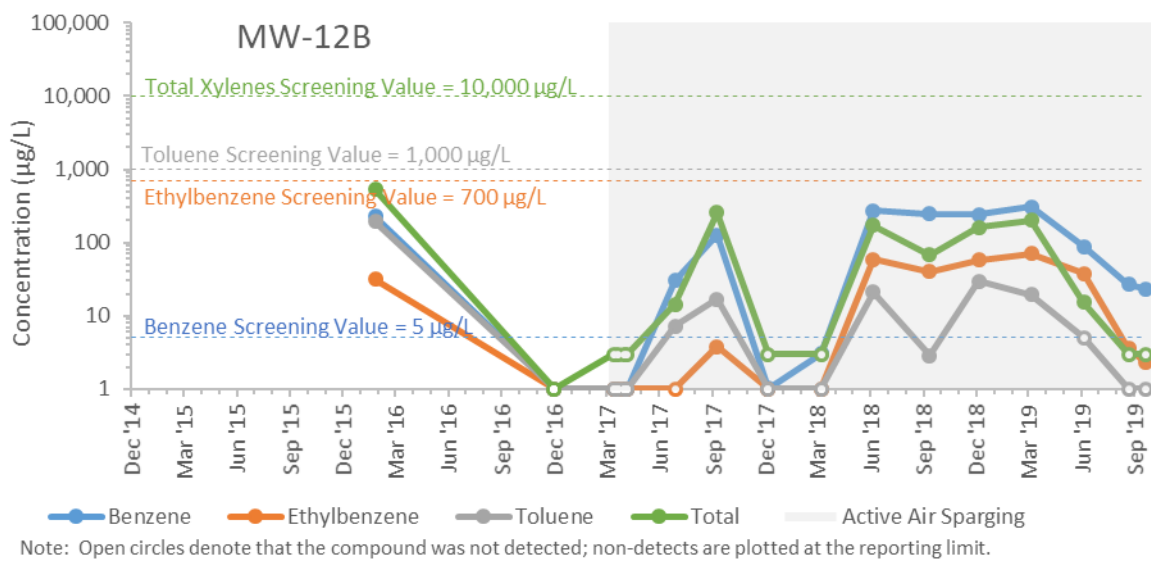
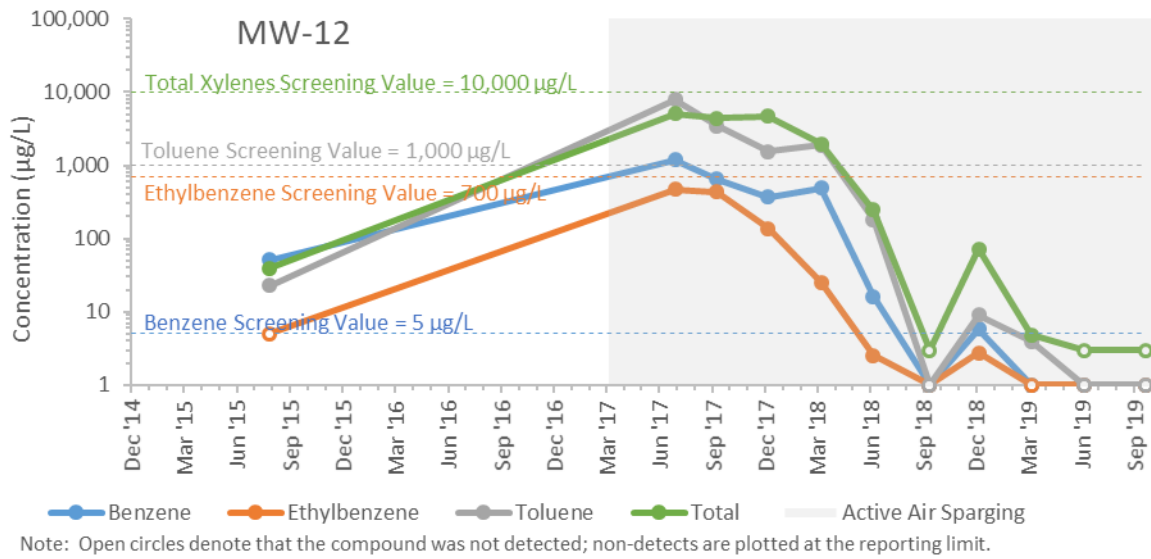


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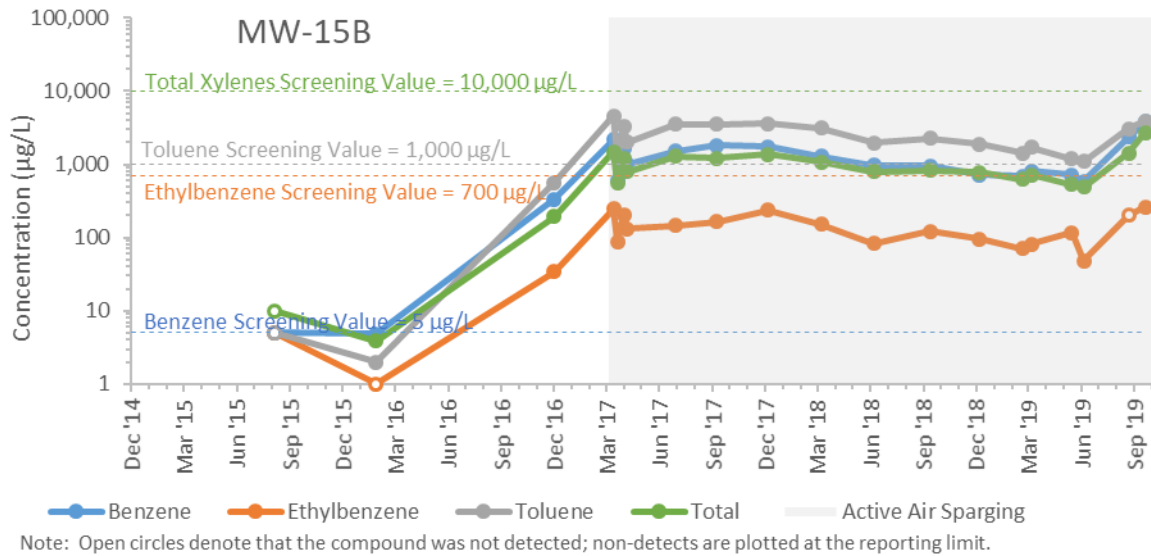
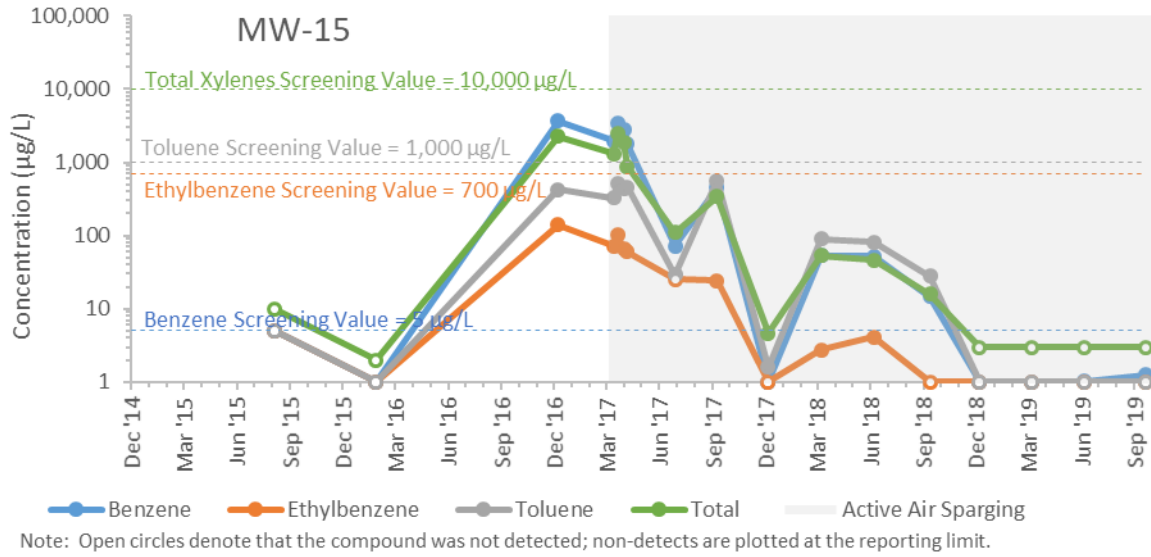


**Attachment C**  
**Groundwater Analytical Trends**

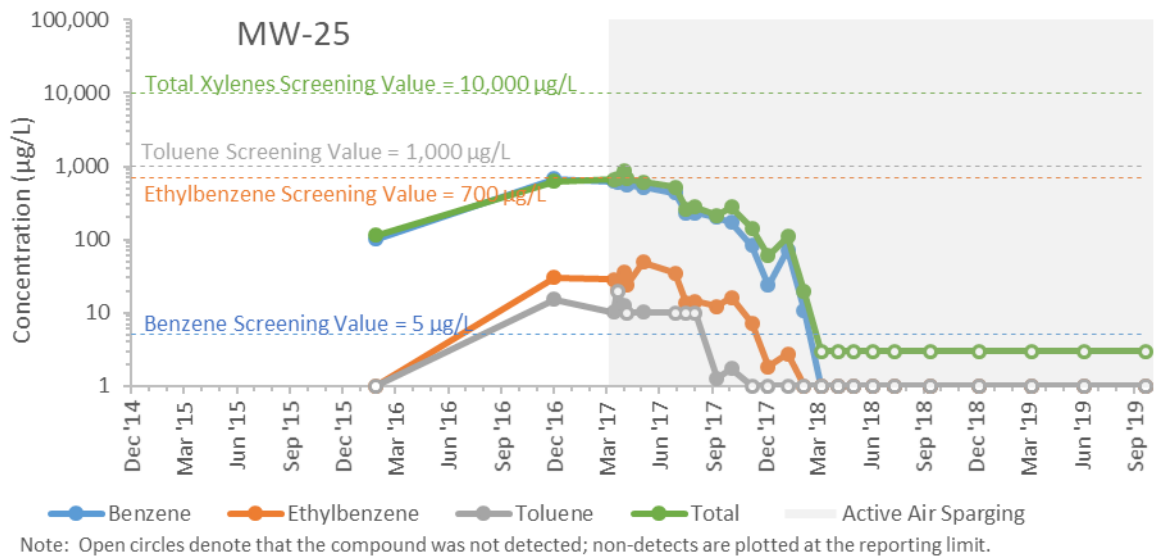
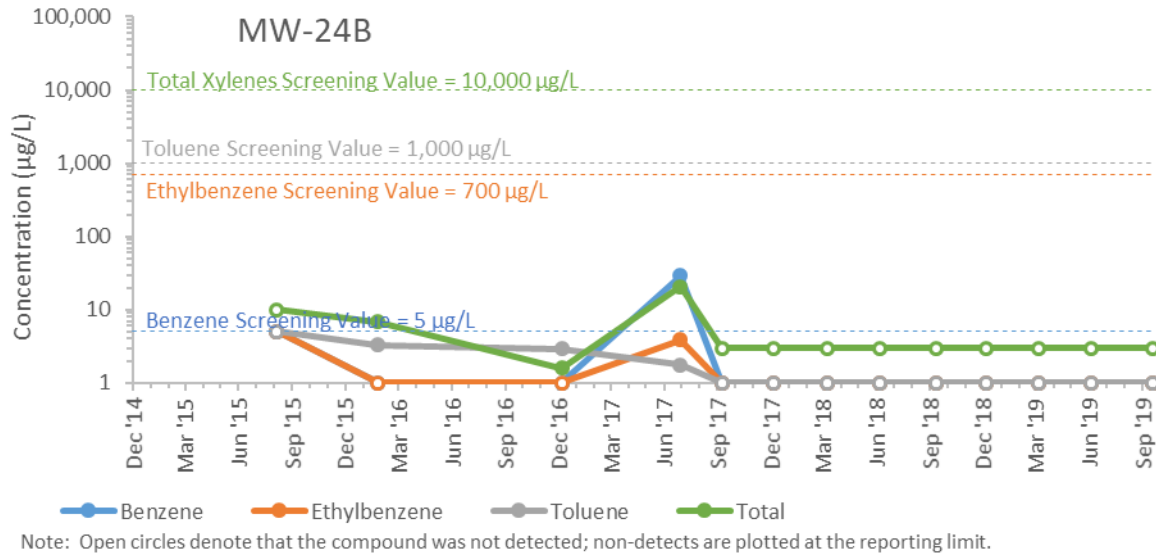
### Brown's Creek Monitoring Well Trends



Attachment C – Groundwater Analytical Trends

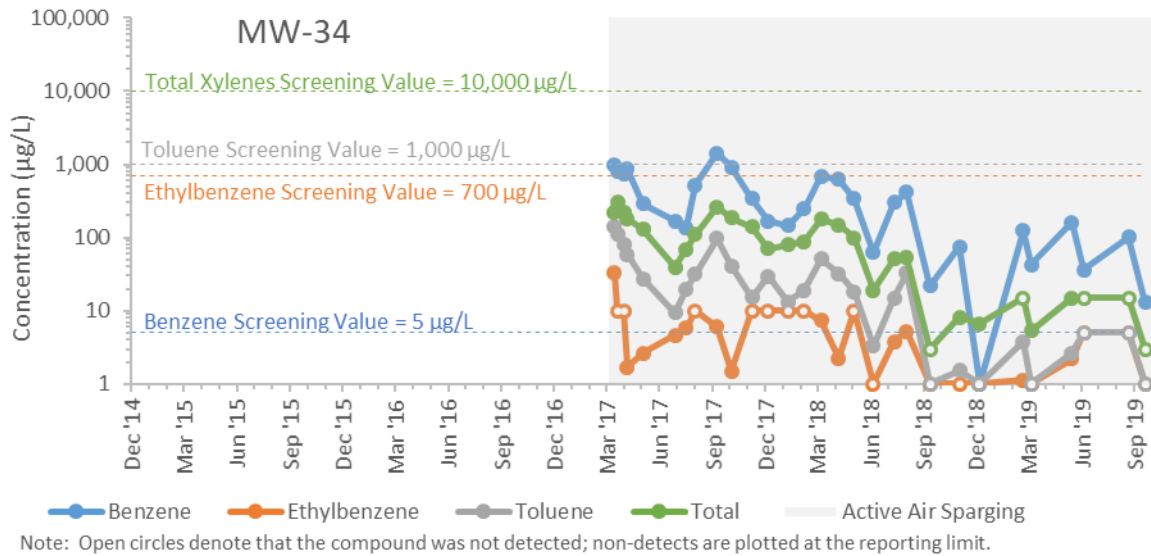
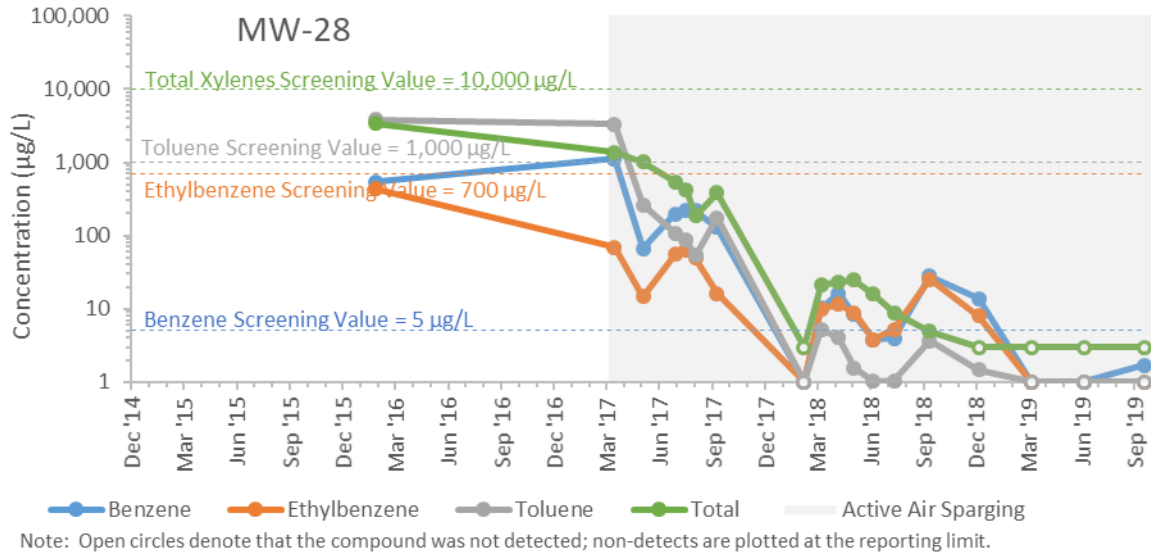


Attachment C – Groundwater Analytical Trends

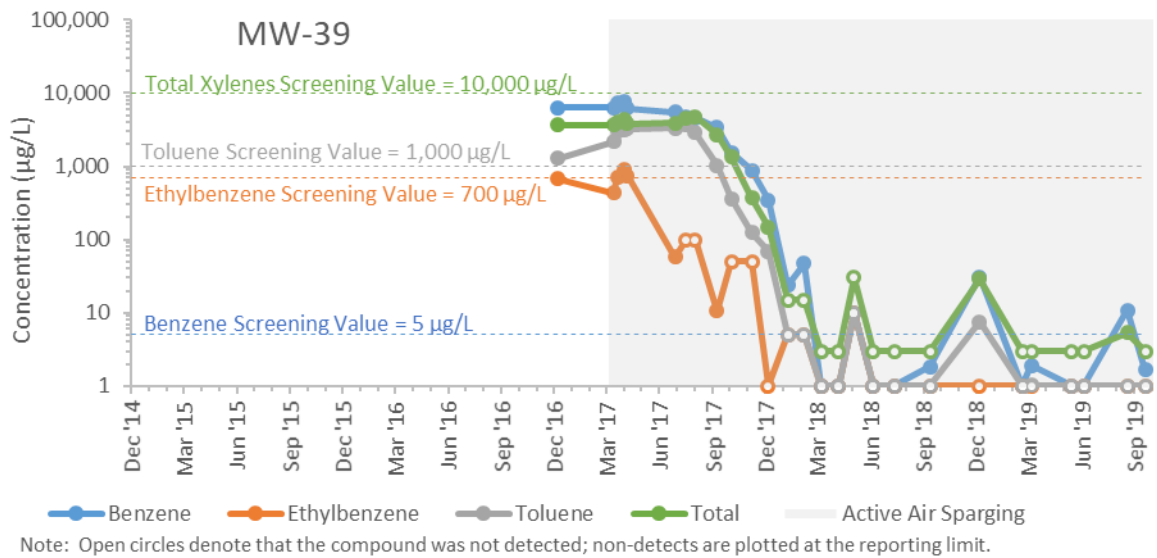
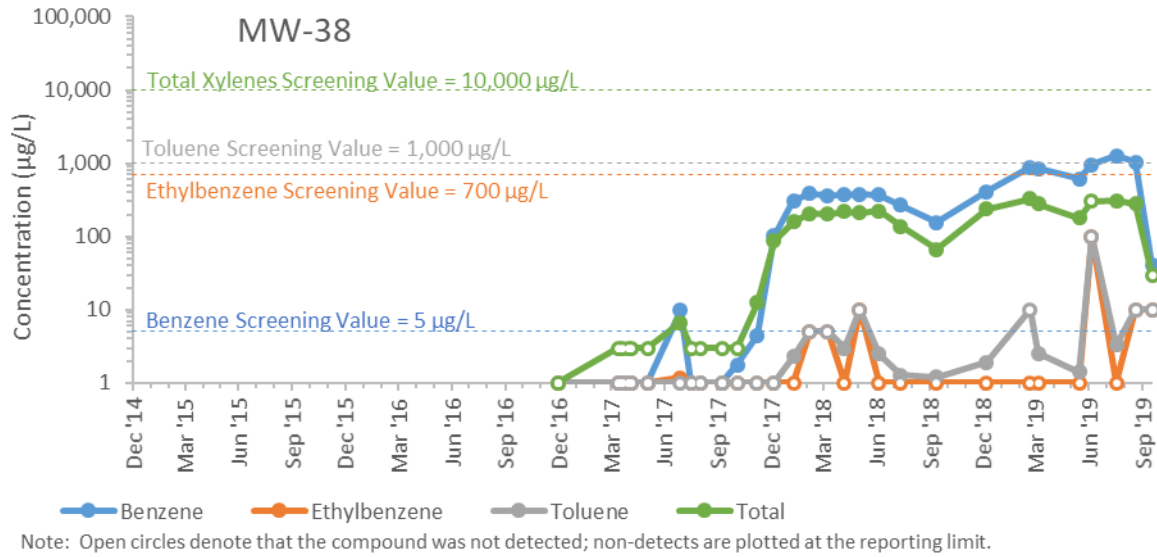




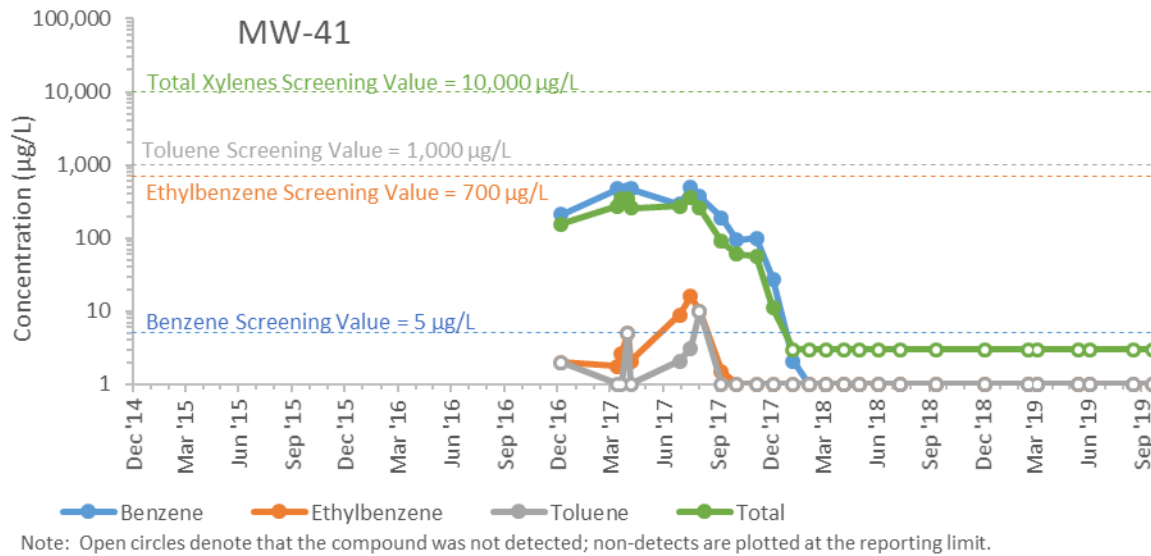
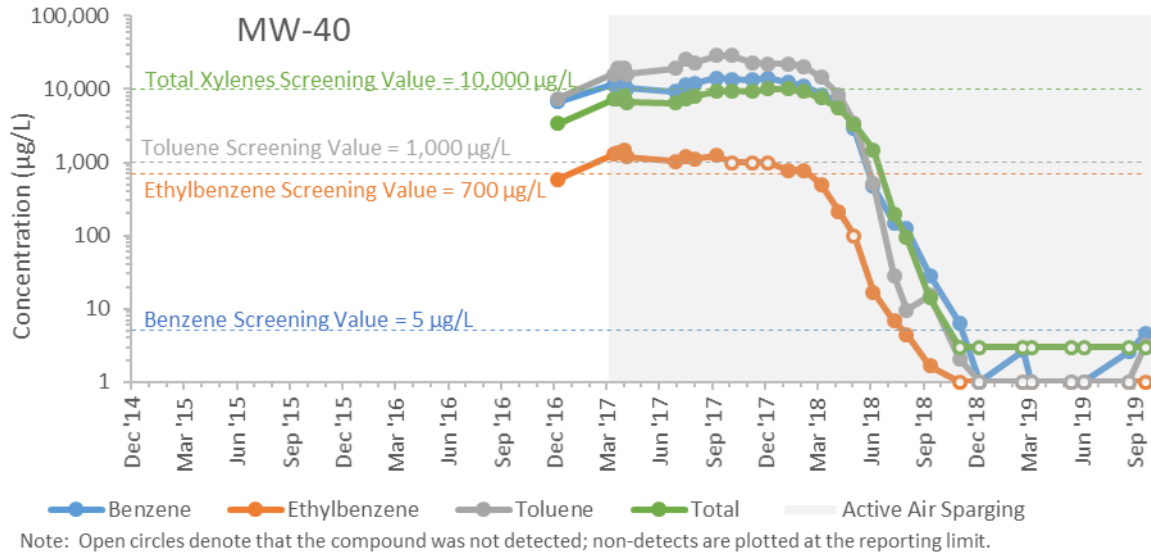
Attachment C – Groundwater Analytical Trends



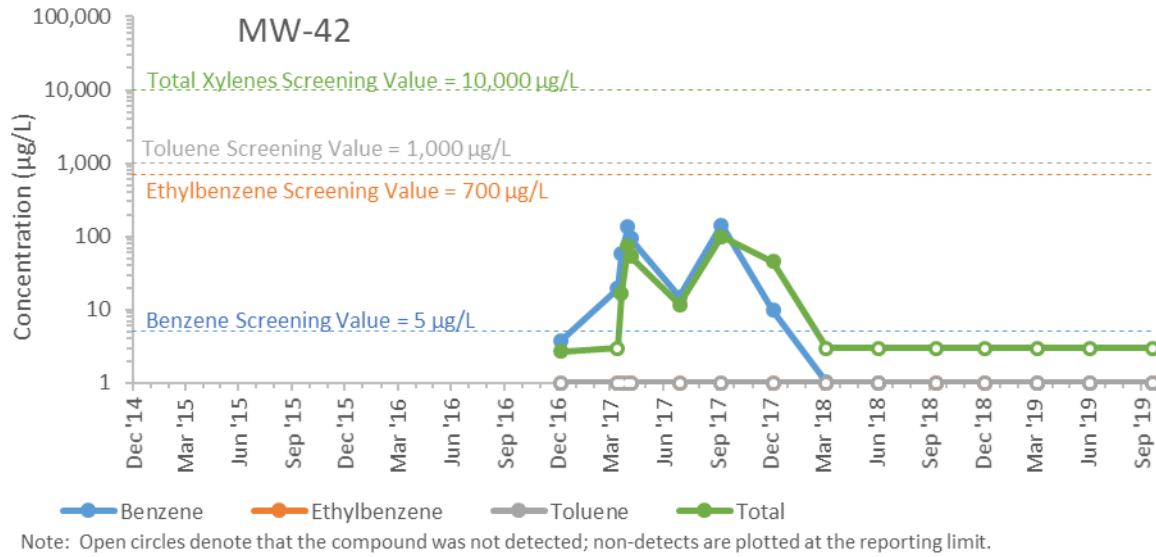
Attachment C – Groundwater Analytical Trends



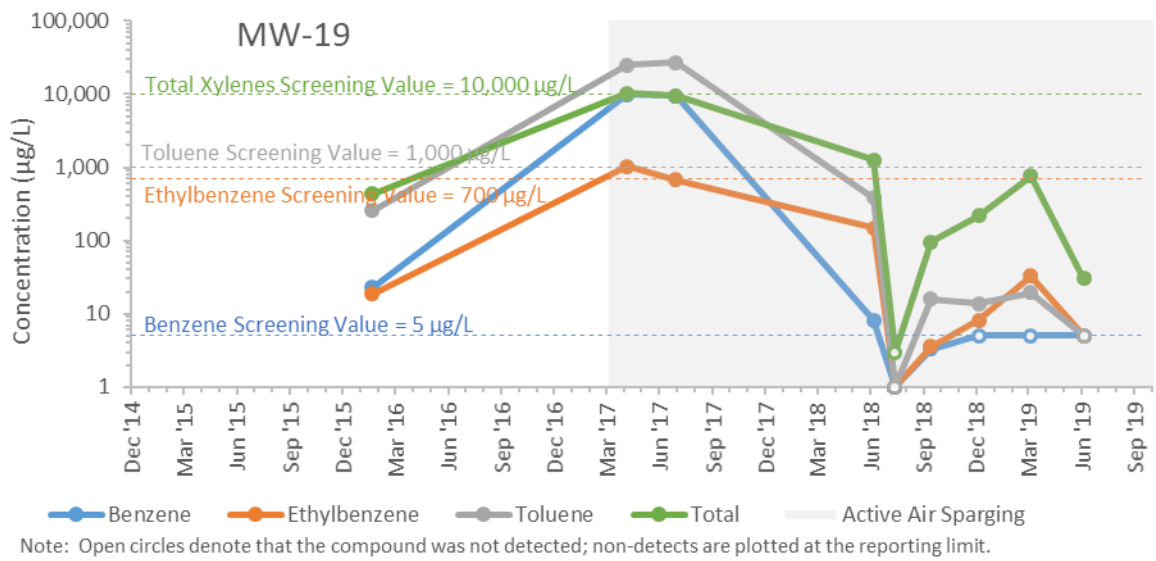
Attachment C – Groundwater Analytical Trends



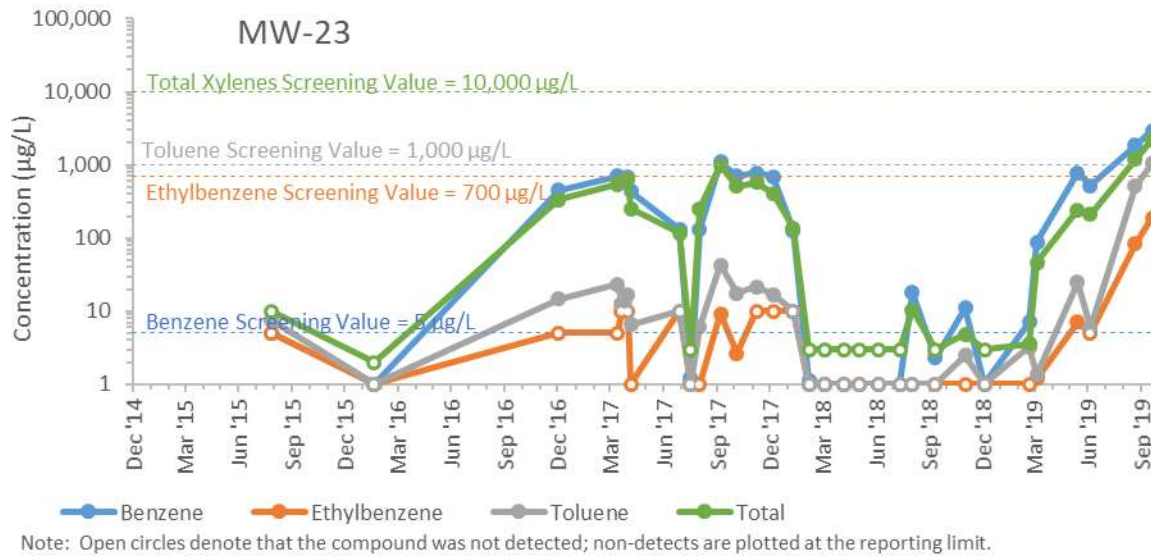
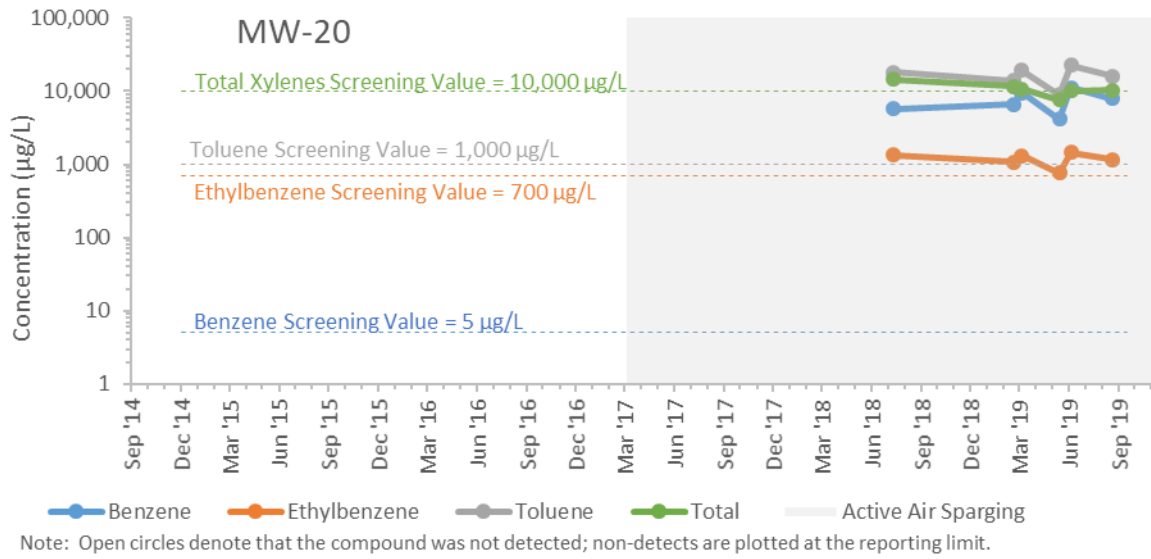
Attachment C – Groundwater Analytical Trends



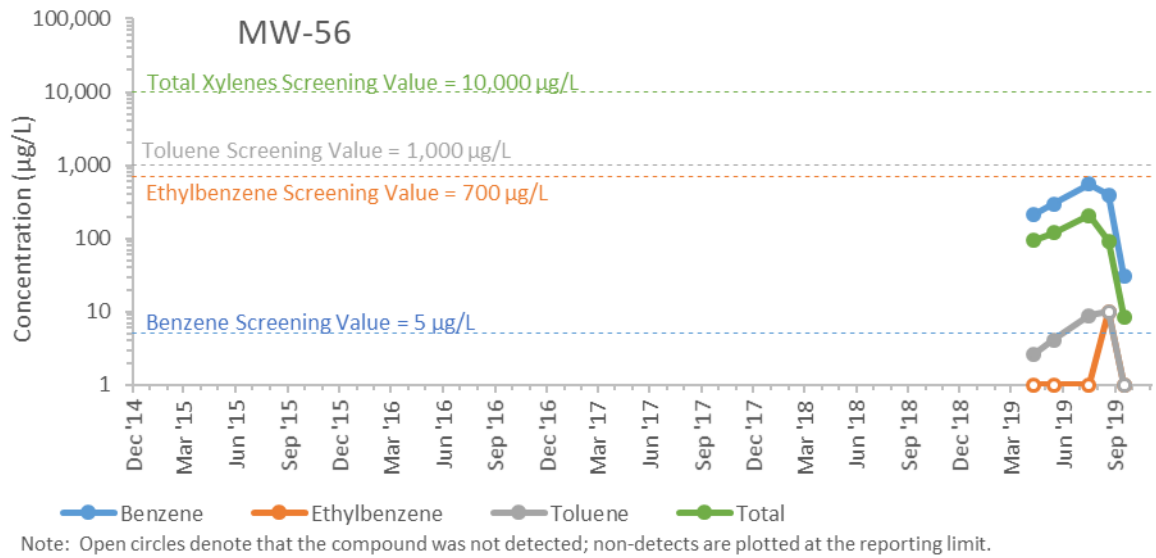
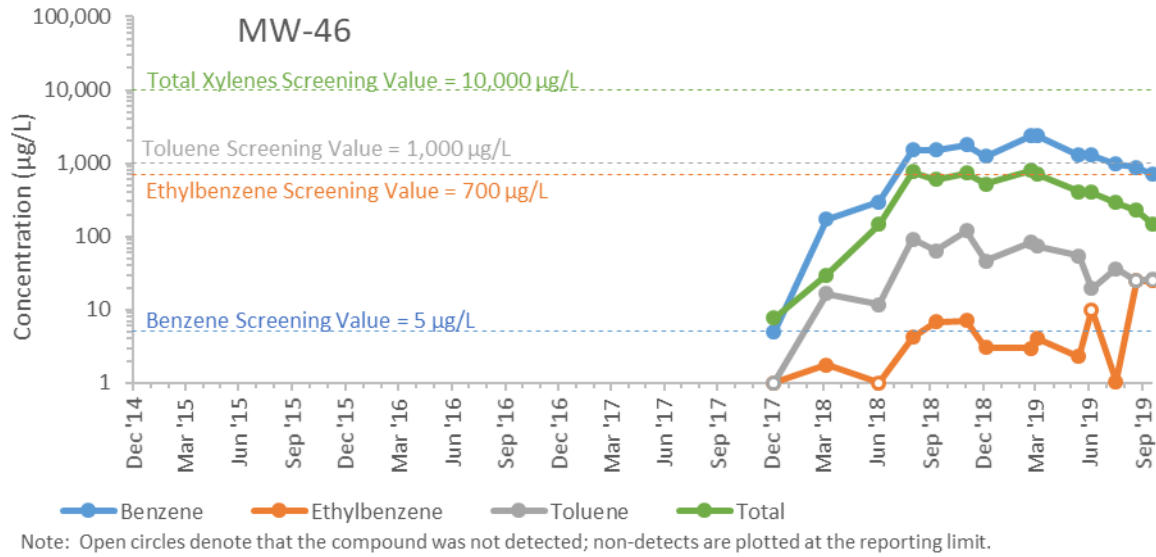
### Cupboard Creek Monitoring Well Trends



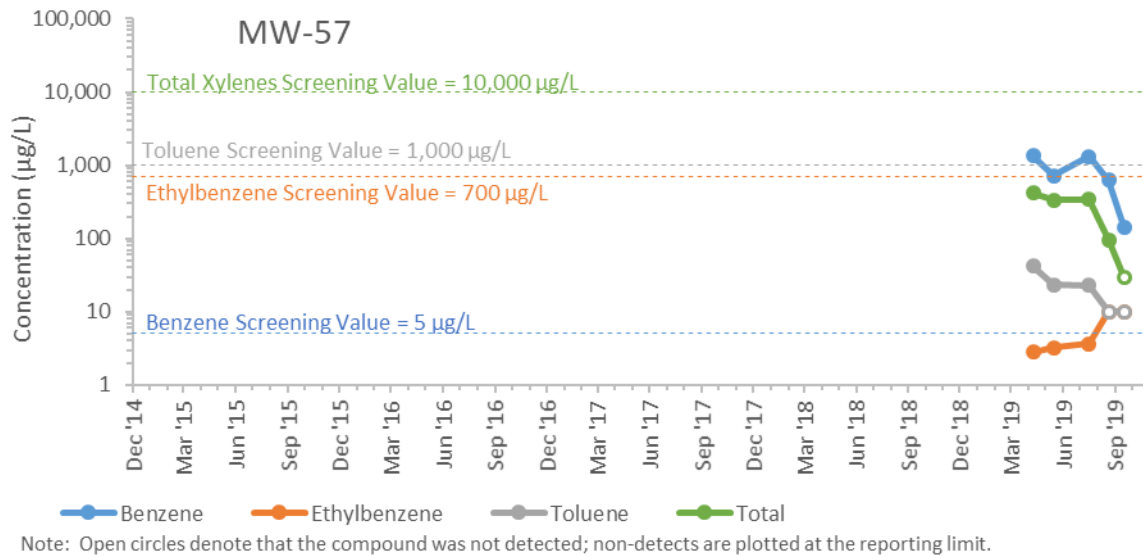
Attachment C – Groundwater Analytical Trends



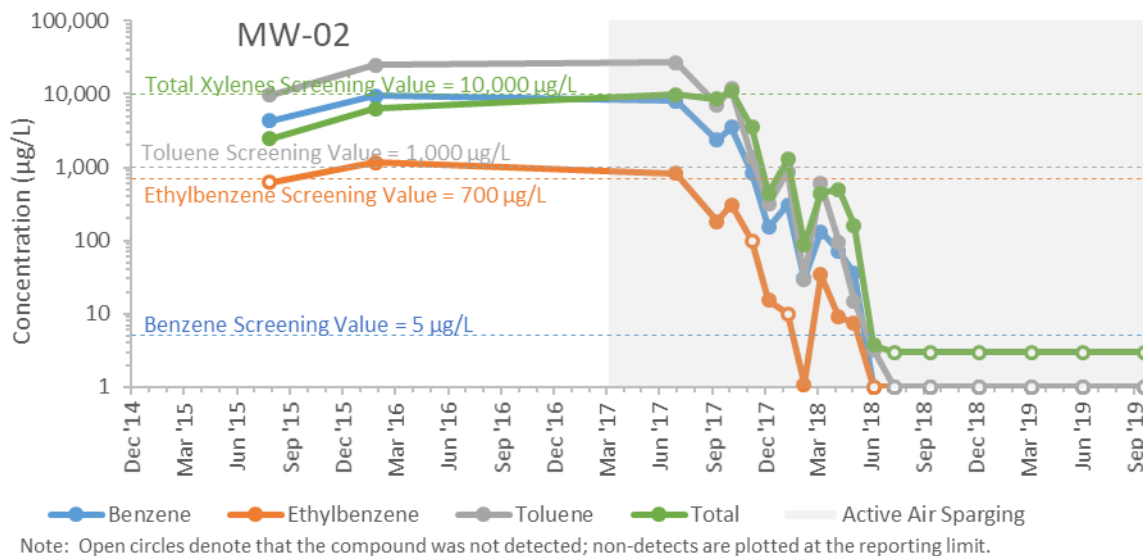
Attachment C – Groundwater Analytical Trends



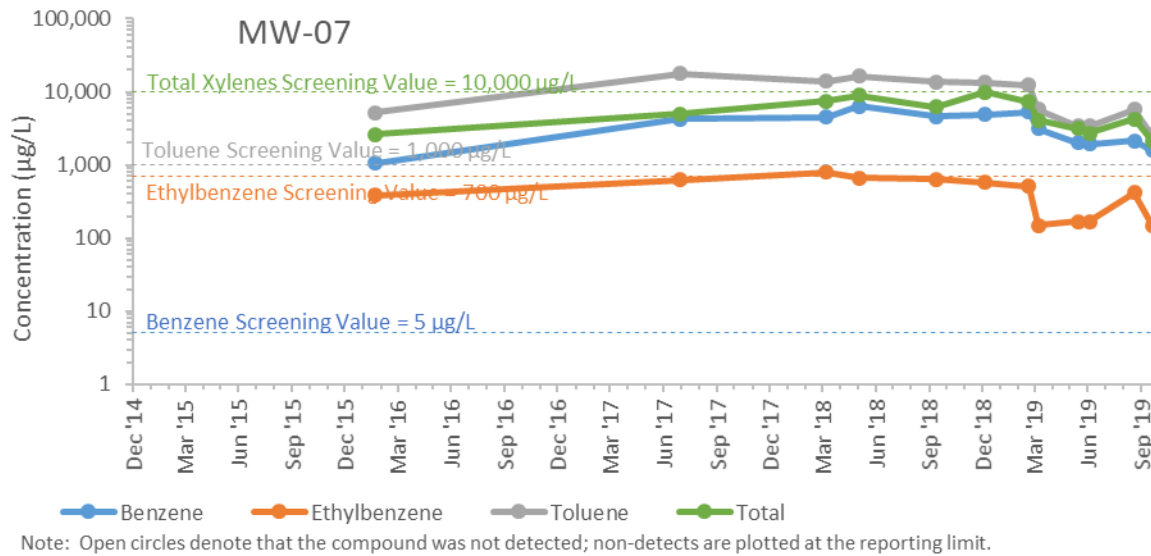
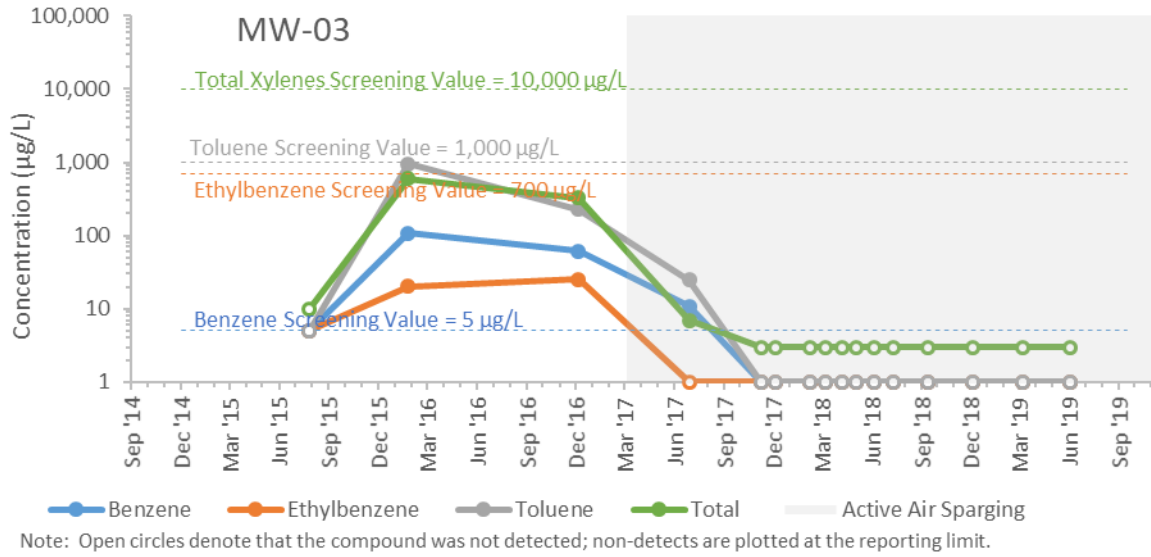
### Attachment C – Groundwater Analytical Trends



### Hayfield Monitoring Well Trends

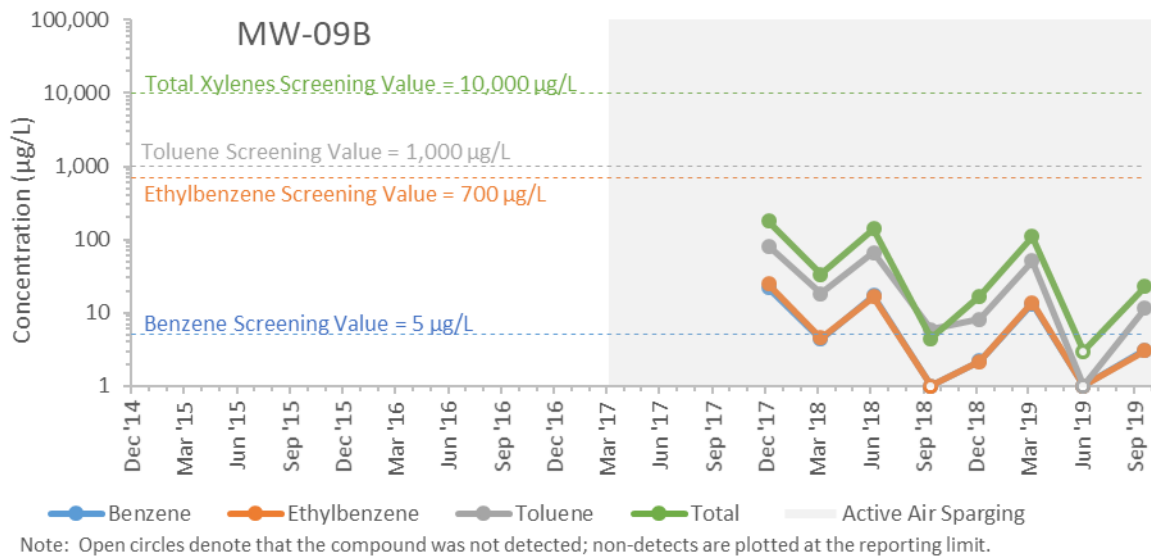
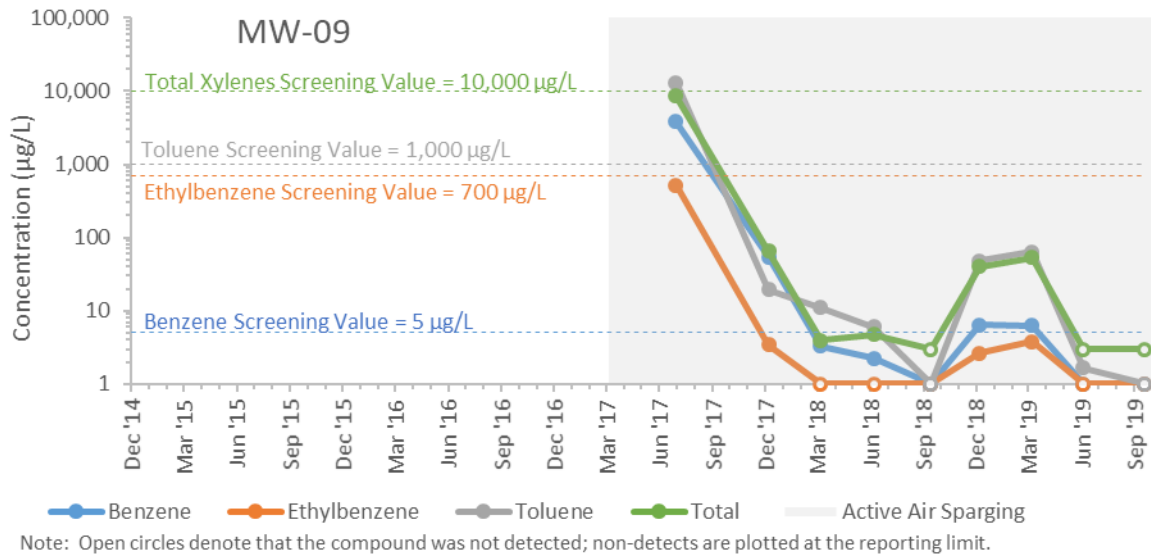


Attachment C – Groundwater Analytical Trends

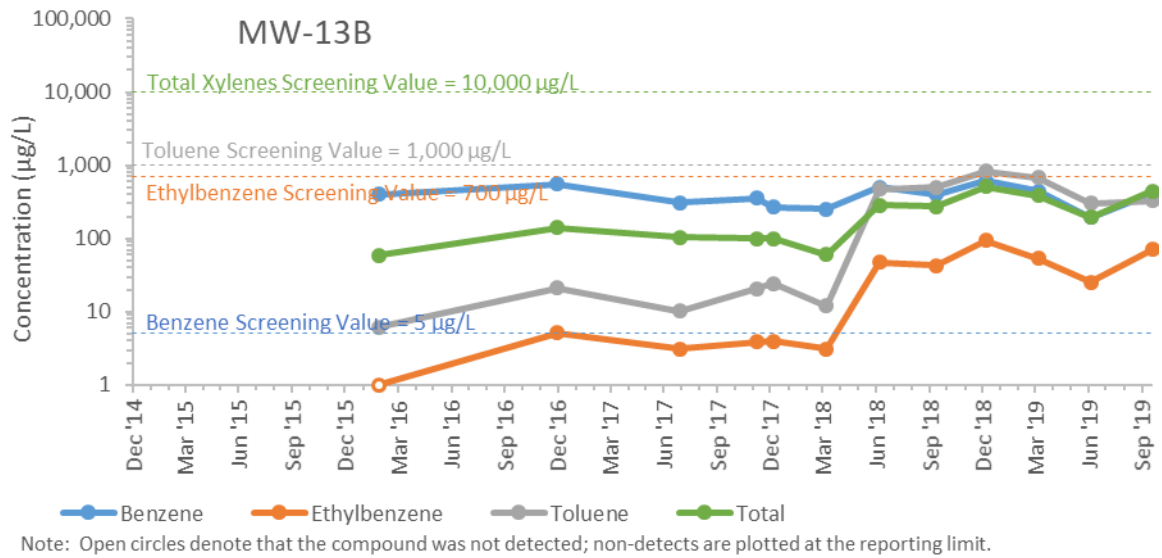
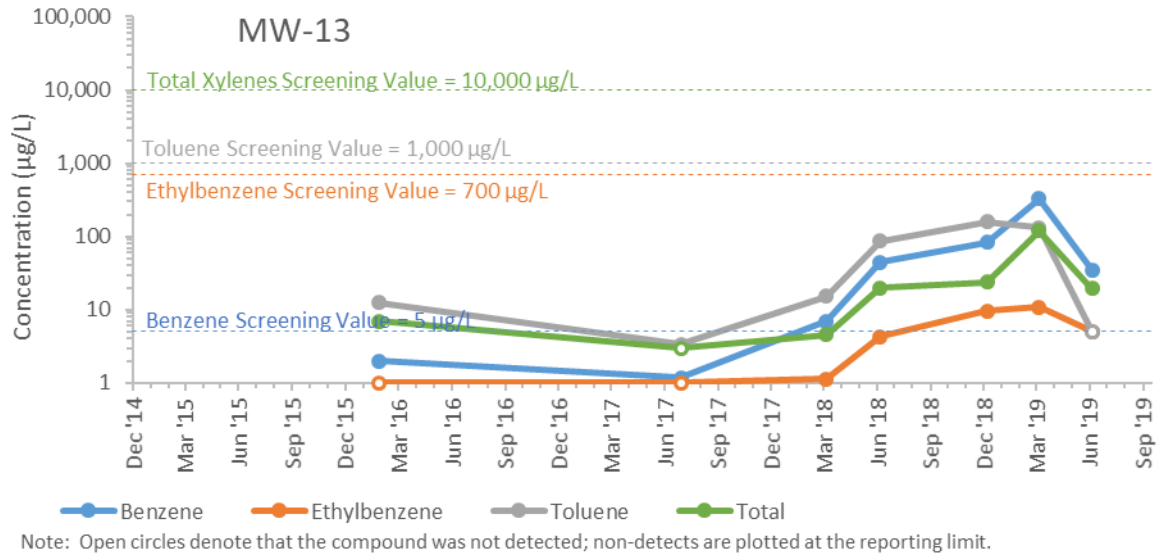




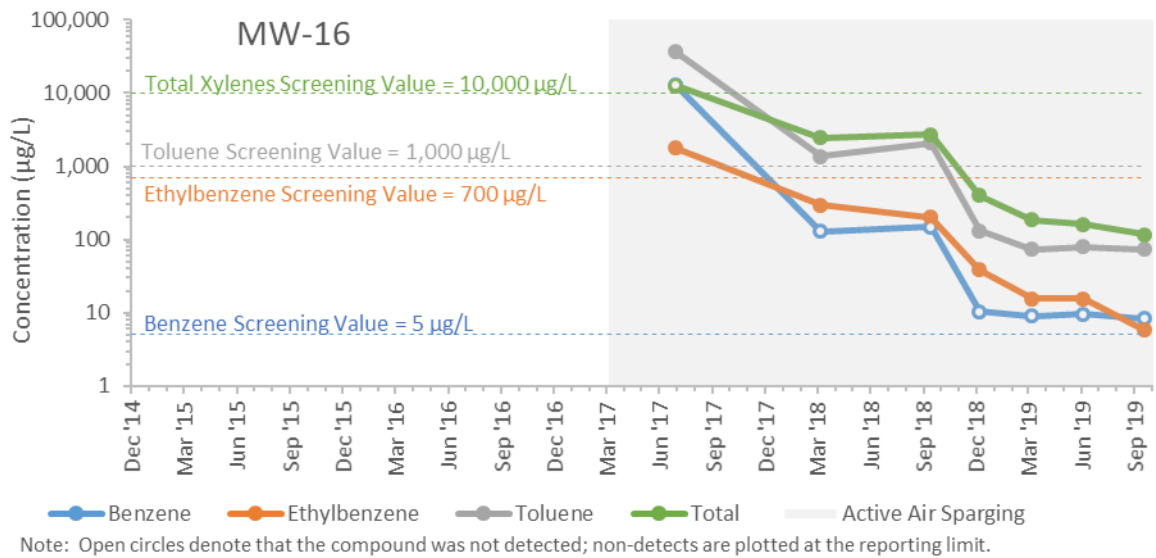
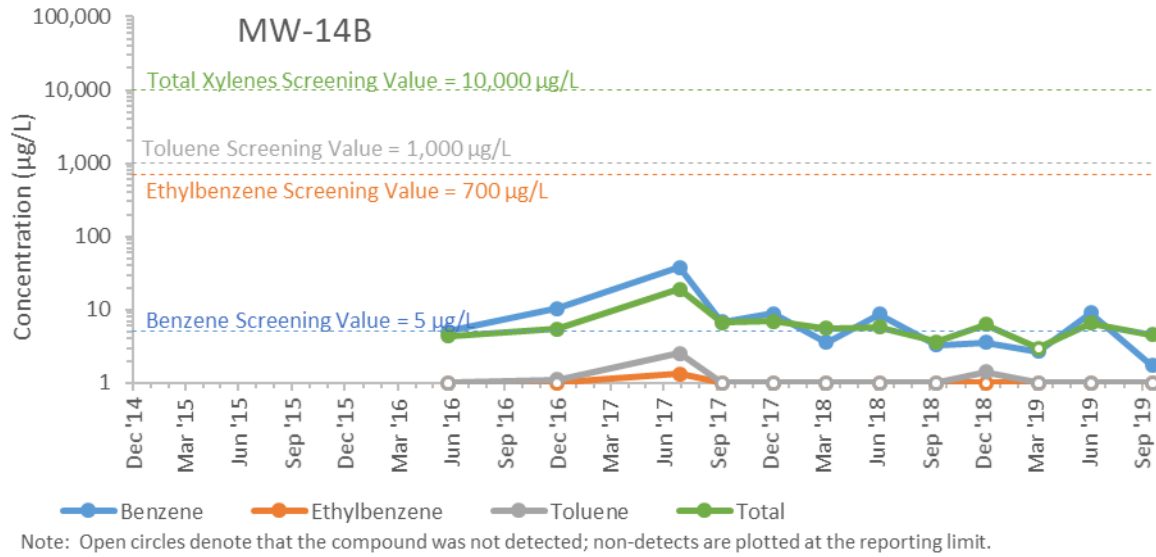
Attachment C – Groundwater Analytical Trends



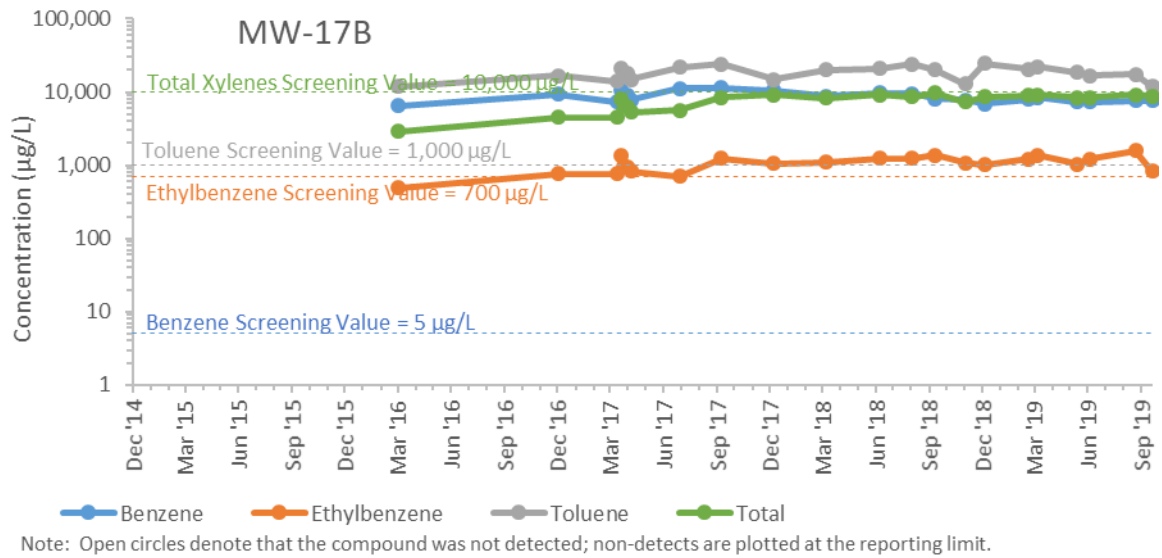
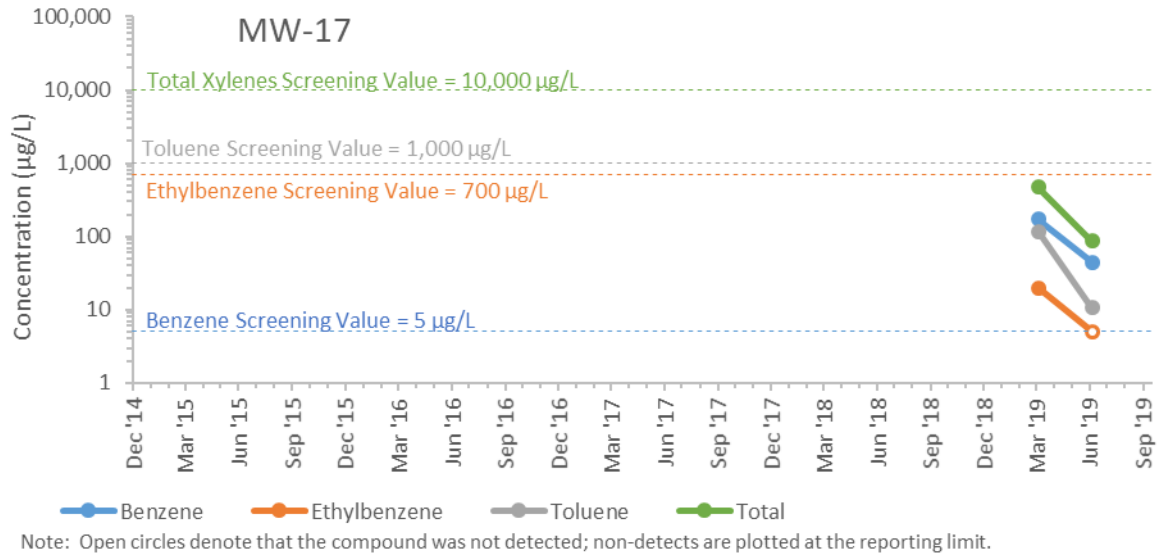
Attachment C – Groundwater Analytical Trends



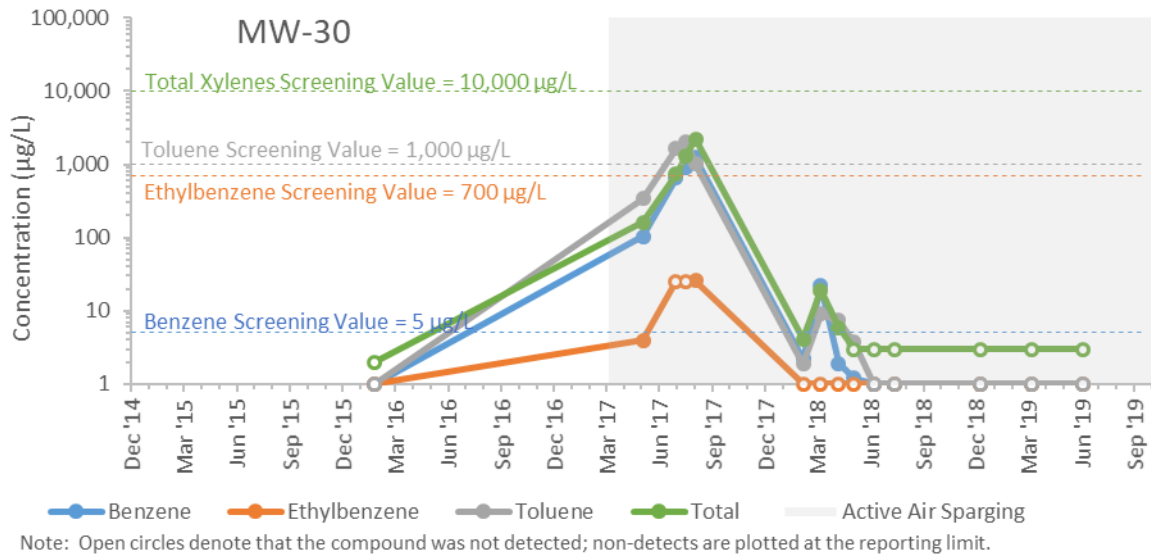
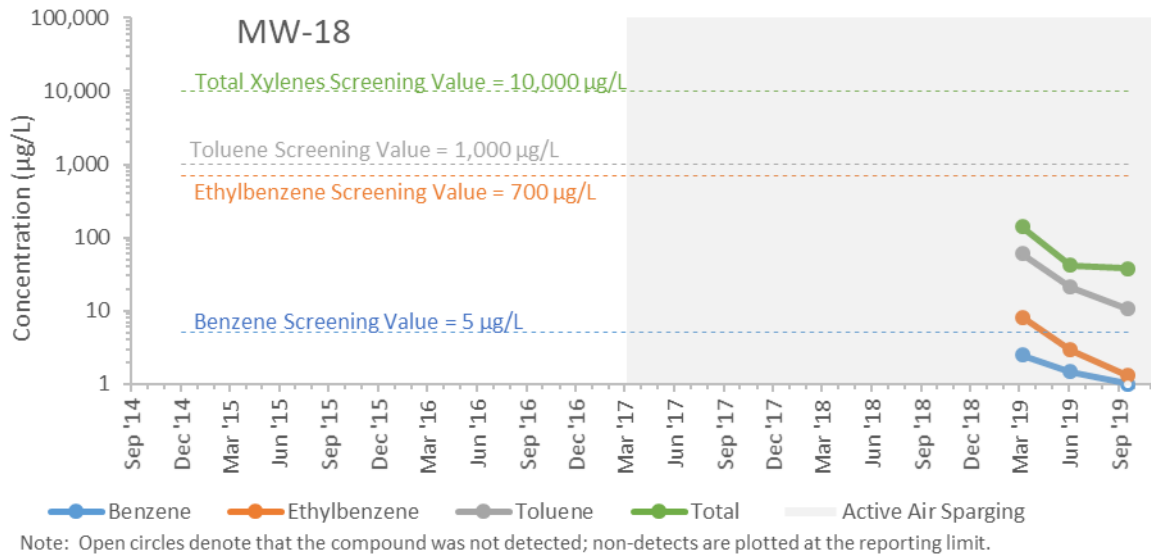
Attachment C – Groundwater Analytical Trends



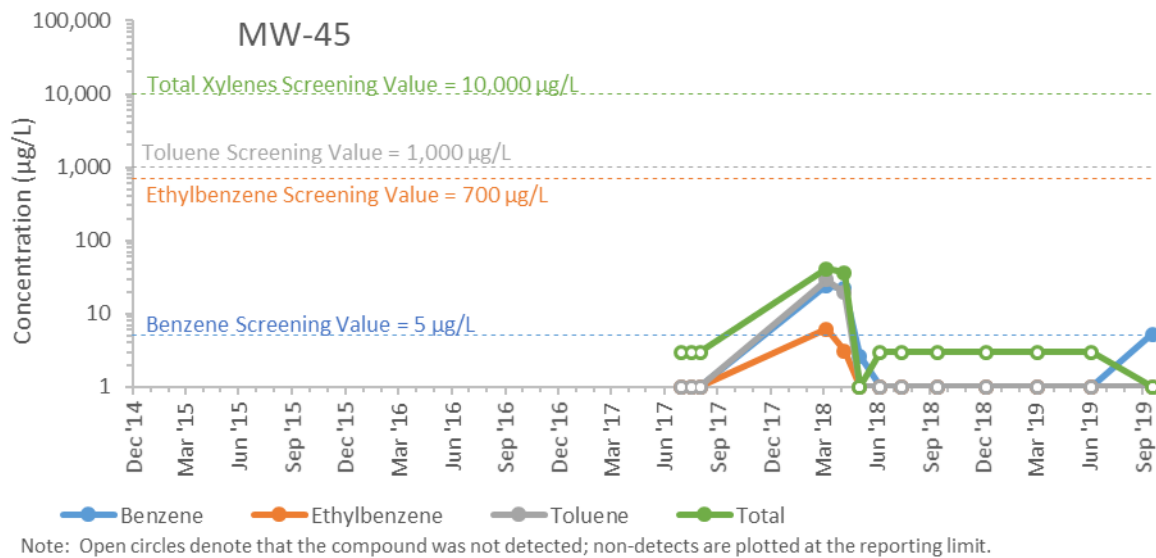
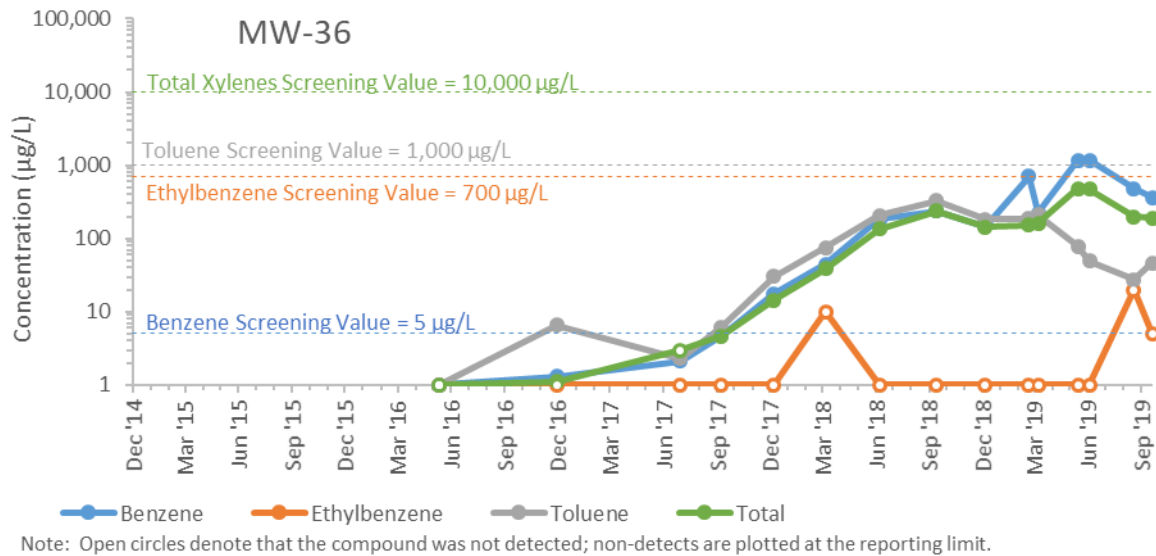
Attachment C – Groundwater Analytical Trends



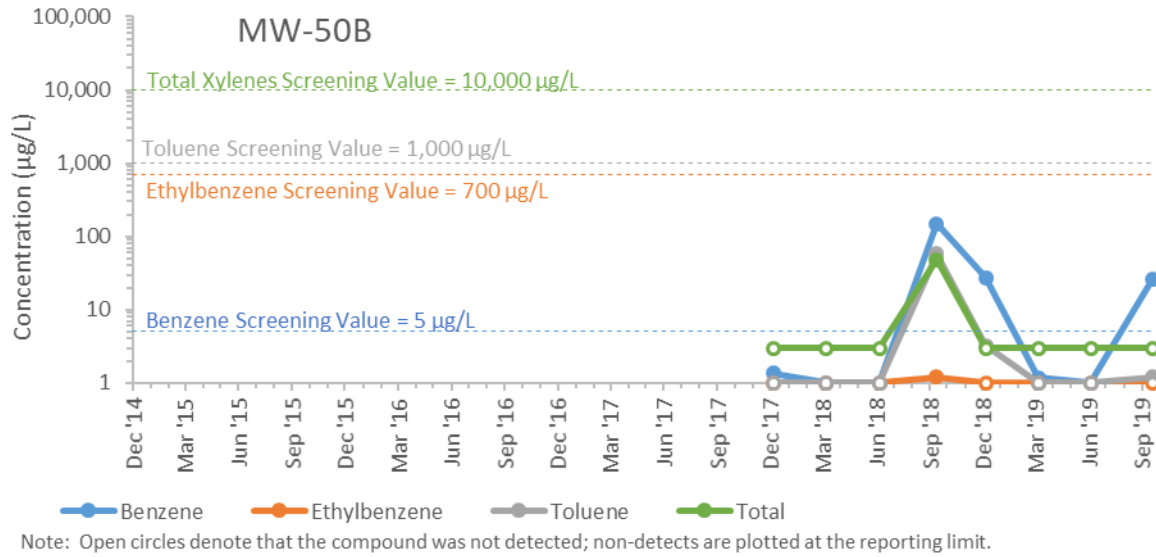
Attachment C – Groundwater Analytical Trends



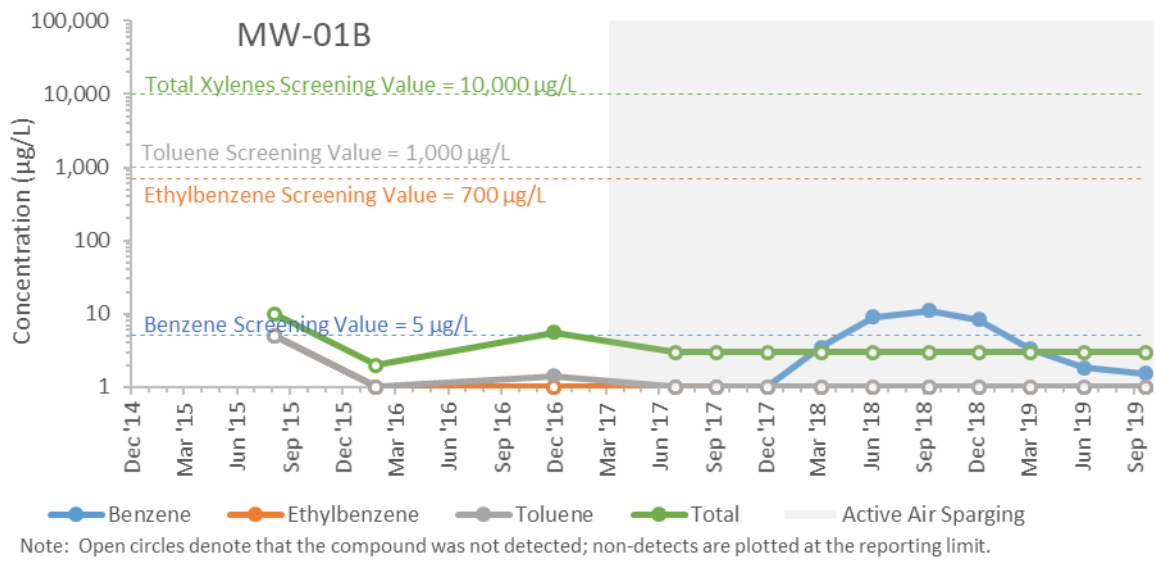
Attachment C – Groundwater Analytical Trends



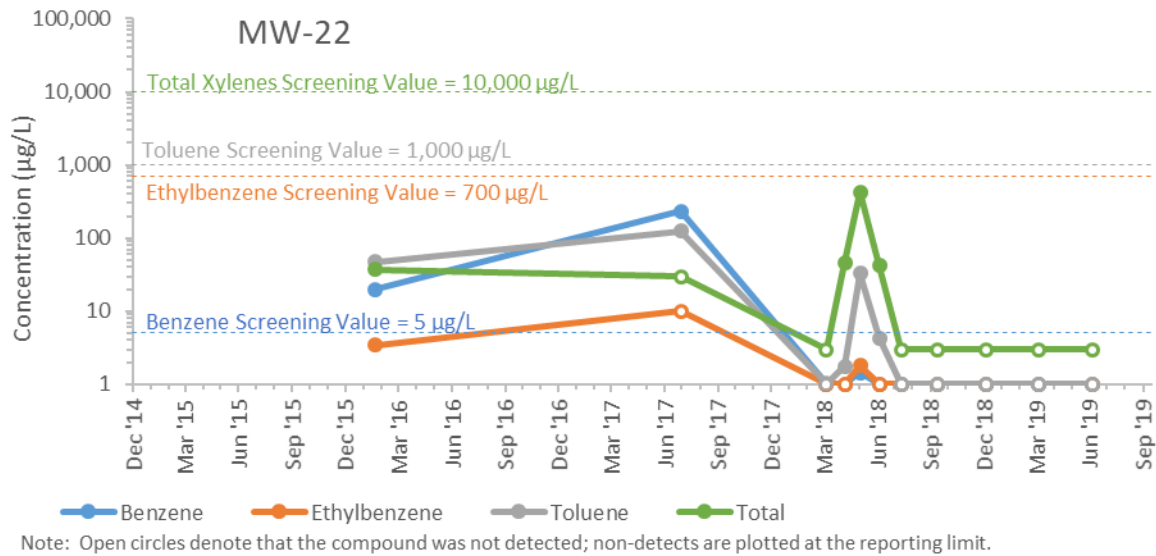
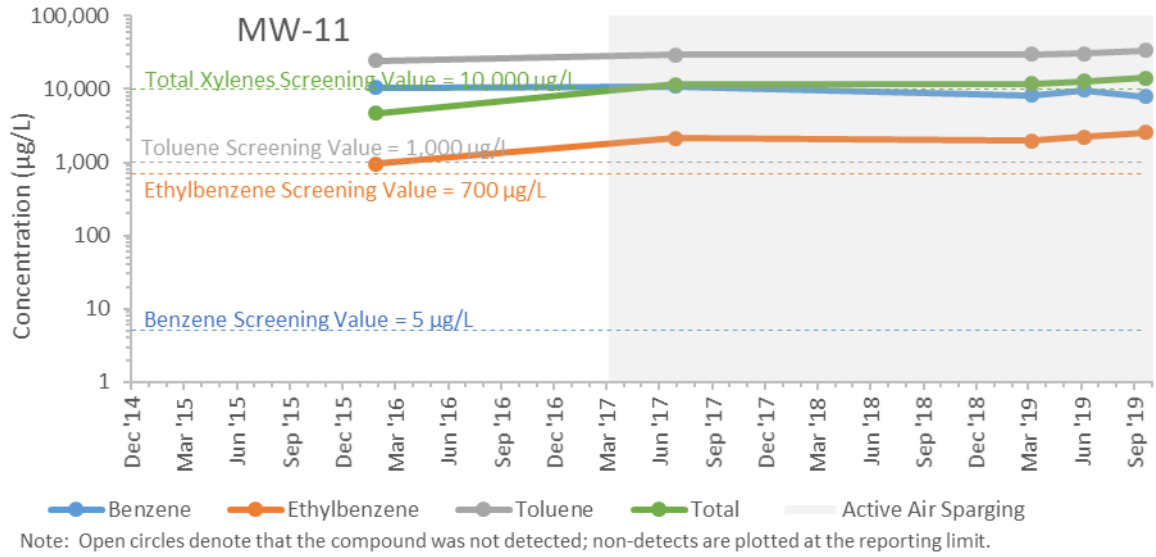
## Attachment C – Groundwater Analytical Trends



## Shallow Bedrock Monitoring Well Trends

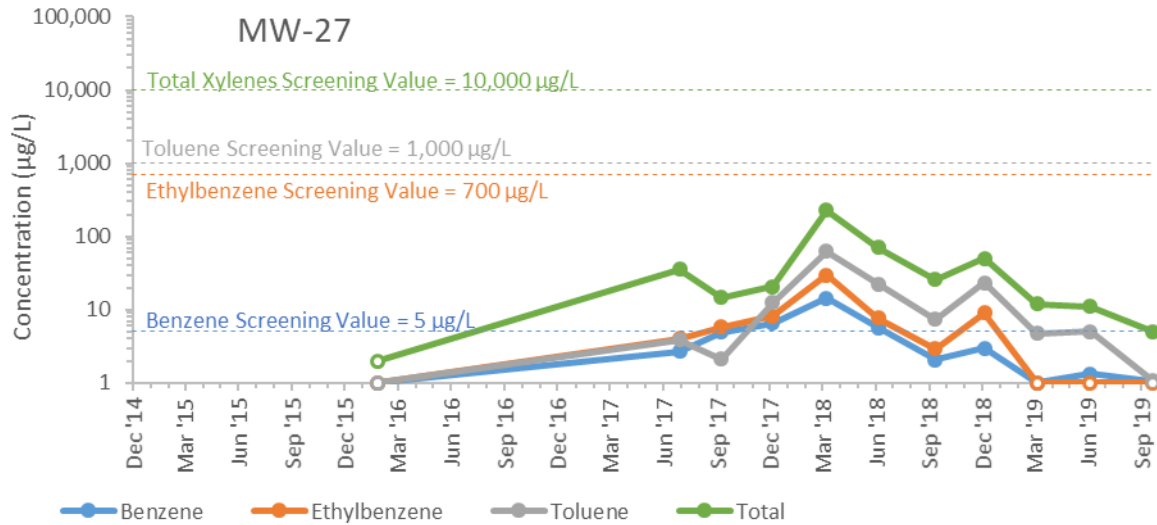


Attachment C – Groundwater Analytical Trends





Attachment C – Groundwater Analytical Trends



**Attachment D**  
**Analytical Laboratory Reports**

July 25, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L119894  
Samples Received: 07/18/2019  
Project Number: D3161400.B.PN.GEN.LD  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

Entire Report Reviewed By:



Jason Romer  
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.





|  |           |                |
|--|-----------|----------------|
| <b>Cp: Cover Page</b>                              | <b>1</b>  | <b>1</b><br>Cp |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |                |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  | <b>2</b><br>Tc |
| <b>Cn: Case Narrative</b>                          | <b>4</b>  |                |
| <b>Sr: Sample Results</b>                          | <b>5</b>  | <b>3</b><br>Ss |
| MW-46-071719 L1119894-01                           | <b>5</b>  |                |
| MW-46-D-071719 L1119894-02                         | <b>6</b>  | <b>4</b><br>Cn |
| MW-56-071719 L1119894-03                           | <b>7</b>  | <b>5</b><br>Sr |
| MW-57-071719 L1119894-04                           | <b>8</b>  |                |
| FB01-071719 L1119894-05                            | <b>9</b>  | <b>6</b><br>Qc |
| TB01-071719 L1119894-06                            | <b>10</b> |                |
| <b>Qc: Quality Control Summary</b>                 | <b>11</b> | <b>7</b><br>Gl |
| Wet Chemistry by Method 9056A                      | <b>11</b> |                |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>12</b> | <b>8</b><br>Al |
| <b>Gl: Glossary of Terms</b>                       | <b>18</b> |                |
| <b>Al: Accreditations &amp; Locations</b>          | <b>19</b> | <b>9</b><br>Sc |
| <b>Sc: Sample Chain of Custody</b>                 | <b>20</b> |                |

# SAMPLE SUMMARY

## MW-46-071719 L1119894-01 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 15:05  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1314866 | 1        | 07/23/19 03:40        | 07/23/19 03:40     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314634 | 1        | 07/19/19 21:10        | 07/19/19 21:10     | ZJM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1316034 | 5        | 07/24/19 02:14        | 07/24/19 02:14     | ADM     | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## MW-46-D-071719 L1119894-02 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 15:05  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314634 | 1        | 07/19/19 21:30        | 07/19/19 21:30     | ZJM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1316034 | 10       | 07/24/19 02:34        | 07/24/19 02:34     | ADM     | Mt. Juliet, TN |

## MW-56-071719 L1119894-03 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 16:40  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1314866 | 1        | 07/23/19 03:55        | 07/23/19 03:55     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314634 | 1        | 07/19/19 21:50        | 07/19/19 21:50     | ZJM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1316034 | 5        | 07/24/19 02:54        | 07/24/19 02:54     | ADM     | Mt. Juliet, TN |

## MW-57-071719 L1119894-04 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 17:50  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1314866 | 1        | 07/23/19 04:10        | 07/23/19 04:10     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314634 | 1        | 07/19/19 22:10        | 07/19/19 22:10     | ZJM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1316034 | 5        | 07/24/19 03:14        | 07/24/19 03:14     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1317149 | 20       | 07/25/19 12:05        | 07/25/19 12:05     | JAH     | Mt. Juliet, TN |

## FB01-071719 L1119894-05 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 17:00  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314634 | 1        | 07/19/19 22:30        | 07/19/19 22:30     | ZJM     | Mt. Juliet, TN |

## TB01-071719 L1119894-06 GW

Collected by  
Melissa Warren  
Collected date/time  
07/17/19 10:00  
Received date/time  
07/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314714 | 1        | 07/20/19 09:30        | 07/20/19 09:30     | ZJM     | 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.

Jason Romer  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/23/2019 03:40     | <a href="#">WG1314866</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 976    |           | 5.00     | 5        | 07/24/2019 02:14     | <a href="#">WG1316034</a> |
| Toluene                   | 29.1   |           | 1.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| Total Xylenes             | 237    |           | 3.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| Methyl tert-butyl ether   | 198    |           | 1.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| Naphthalene               | 15.5   |           | 5.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 93.9   |           | 80.0-120 |          | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 111    |           | 80.0-120 |          | 07/24/2019 02:14     | <a href="#">WG1316034</a> |
| (S) 4-Bromofluorobenzene  | 91.9   |           | 77.0-126 |          | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| (S) 4-Bromofluorobenzene  | 99.9   |           | 77.0-126 |          | 07/24/2019 02:14     | <a href="#">WG1316034</a> |
| (S) 1,2-Dichloroethane-d4 | 104    |           | 70.0-130 |          | 07/19/2019 21:10     | <a href="#">WG1314634</a> |
| (S) 1,2-Dichloroethane-d4 | 82.7   |           | 70.0-130 |          | 07/24/2019 02:14     | <a href="#">WG1316034</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 945    |           | 10.0     | 10       | 07/24/2019 02:34     | <a href="#">WG1316034</a> |
| Toluene                   | 36.7   |           | 1.00     | 1        | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| Ethylbenzene              | 1.05   |           | 1.00     | 1        | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| Total Xylenes             | 290    |           | 3.00     | 1        | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| Methyl tert-butyl ether   | 175    |           | 10.0     | 10       | 07/24/2019 02:34     | <a href="#">WG1316034</a> |
| Naphthalene               | 20.6   |           | 5.00     | 1        | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 95.8   |           | 80.0-120 |          | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 07/24/2019 02:34     | <a href="#">WG1316034</a> |
| (S) 4-Bromofluorobenzene  | 95.3   |           | 77.0-126 |          | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 07/24/2019 02:34     | <a href="#">WG1316034</a> |
| (S) 1,2-Dichloroethane-d4 | 101    |           | 70.0-130 |          | 07/19/2019 21:30     | <a href="#">WG1314634</a> |
| (S) 1,2-Dichloroethane-d4 | 85.1   |           | 70.0-130 |          | 07/24/2019 02:34     | <a href="#">WG1316034</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|------|----------|------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/23/2019 03:55 | <a href="#">WG1314866</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis         | Batch                     |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| Benzene                   | 549    |           | 5.00     | 5        | 07/24/2019 02:54 | <a href="#">WG1316034</a> |
| Toluene                   | 8.90   |           | 1.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| Total Xylenes             | 205    |           | 3.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| Methyl tert-butyl ether   | 146    |           | 1.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| Naphthalene               | 8.18   |           | 5.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 95.6   |           | 80.0-120 |          | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 07/24/2019 02:54 | <a href="#">WG1316034</a> |
| (S) 4-Bromofluorobenzene  | 95.2   |           | 77.0-126 |          | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 07/24/2019 02:54 | <a href="#">WG1316034</a> |
| (S) 1,2-Dichloroethane-d4 | 109    |           | 70.0-130 |          | 07/19/2019 21:50 | <a href="#">WG1314634</a> |
| (S) 1,2-Dichloroethane-d4 | 85.7   |           | 70.0-130 |          | 07/24/2019 02:54 | <a href="#">WG1316034</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|------|----------|------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/23/2019 04:10 | <a href="#">WG1314866</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis         | Batch                     |
|---------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| Benzene                   | 1330   |           | 20.0     | 20       | 07/25/2019 12:05 | <a href="#">WG1317149</a> |
| Toluene                   | 22.9   |           | 1.00     | 1        | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| Ethylbenzene              | 3.63   |           | 1.00     | 1        | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| Total Xylenes             | 341    |           | 3.00     | 1        | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| Methyl tert-butyl ether   | 186    |           | 5.00     | 5        | 07/24/2019 03:14 | <a href="#">WG1316034</a> |
| Naphthalene               | 19.8   |           | 5.00     | 1        | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 95.3   |           | 80.0-120 |          | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 111    |           | 80.0-120 |          | 07/24/2019 03:14 | <a href="#">WG1316034</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 07/25/2019 12:05 | <a href="#">WG1317149</a> |
| (S) 4-Bromofluorobenzene  | 96.0   |           | 77.0-126 |          | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 07/24/2019 03:14 | <a href="#">WG1316034</a> |
| (S) 4-Bromofluorobenzene  | 96.5   |           | 77.0-126 |          | 07/25/2019 12:05 | <a href="#">WG1317149</a> |
| (S) 1,2-Dichloroethane-d4 | 110    |           | 70.0-130 |          | 07/19/2019 22:10 | <a href="#">WG1314634</a> |
| (S) 1,2-Dichloroethane-d4 | 83.7   |           | 70.0-130 |          | 07/24/2019 03:14 | <a href="#">WG1316034</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 07/25/2019 12:05 | <a href="#">WG1317149</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| (S) Toluene-d8            | 100    |           | 80.0-120 |          | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| (S) 4-Bromofluorobenzene  | 87.2   |           | 77.0-126 |          | 07/19/2019 22:30     | <a href="#">WG1314634</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 07/19/2019 22:30     | <a href="#">WG1314634</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                        | Result | Qualifier | RDL      | Dilution | Analysis         | Batch     |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
|                                | ug/l   |           | ug/l     |          | date / time      |           |
| Acetone                        | ND     | J4        | 50.0     | 1        | 07/20/2019 09:30 | WG1314714 |
| Benzene                        | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Bromochloromethane             | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Bromodichloromethane           | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Bromoform                      | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Bromomethane                   | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Carbon disulfide               | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Carbon tetrachloride           | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Chlorobenzene                  | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Chlorodibromomethane           | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Chloroethane                   | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Chloroform                     | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Chloromethane                  | ND     | J4        | 2.50     | 1        | 07/20/2019 09:30 | WG1314714 |
| Cyclohexane                    | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2-Dibromo-3-Chloropropane    | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2-Dibromoethane              | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2-Dichlorobenzene            | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,3-Dichlorobenzene            | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,4-Dichlorobenzene            | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Dichlorodifluoromethane        | ND     | J4        | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1-Dichloroethane             | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2-Dichloroethane             | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1-Dichloroethene             | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| cis-1,2-Dichloroethene         | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| trans-1,2-Dichloroethene       | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2-Dichloropropane            | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| cis-1,3-Dichloropropene        | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| trans-1,3-Dichloropropene      | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Ethylbenzene                   | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 2-Hexanone                     | ND     |           | 10.0     | 1        | 07/20/2019 09:30 | WG1314714 |
| Isopropylbenzene               | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 2-Butanone (MEK)               | ND     |           | 10.0     | 1        | 07/20/2019 09:30 | WG1314714 |
| Methyl Acetate                 | ND     |           | 20.0     | 1        | 07/20/2019 09:30 | WG1314714 |
| Methyl Cyclohexane             | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Methylene Chloride             | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 4-Methyl-2-pentanone (MIBK)    | ND     |           | 10.0     | 1        | 07/20/2019 09:30 | WG1314714 |
| Methyl tert-butyl ether        | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Styrene                        | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1,2,2-Tetrachloroethane      | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Tetrachloroethene              | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Toluene                        | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2,3-Trichlorobenzene         | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,2,4-Trichlorobenzene         | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1,1-Trichloroethane          | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1,2-Trichloroethane          | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Trichloroethene                | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Trichlorofluoromethane         | ND     |           | 5.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| 1,1,2-Trichlorotrifluoroethane | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Vinyl chloride                 | ND     |           | 1.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| Xylenes, Total                 | ND     |           | 3.00     | 1        | 07/20/2019 09:30 | WG1314714 |
| (S) Toluene-d8                 | 107    |           | 80.0-120 |          | 07/20/2019 09:30 | WG1314714 |
| (S) 4-Bromofluorobenzene       | 98.1   |           | 77.0-126 |          | 07/20/2019 09:30 | WG1314714 |
| (S) 1,2-Dichloroethane-d4      | 92.0   |           | 70.0-130 |          | 07/20/2019 09:30 | WG1314714 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3433129-1 07/22/19 19:56

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1119586-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1119586-02 07/22/19 20:57 • (DUP) R3433129-3 07/22/19 21:12

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 75900           | 75800      | 1        | 0.120   |               | 15             |

L1119894-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1119894-04 07/23/19 04:10 • (DUP) R3433129-8 07/23/19 04:25

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 0.000      | 1        | 0.000   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3433129-2 07/22/19 20:10

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 41000      | 102      | 80.0-120    |               |

L1119586-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1119586-05 07/22/19 21:57 • (MS) R3433129-4 07/22/19 22:12 • (MSD) R3433129-5 07/22/19 22:27

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | 43000           | 91600     | 91900      | 97.1    | 97.7     | 1        | 80.0-120    |              |               | 0.359 | 15         |

L1119586-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1119586-07 07/22/19 23:26 • (MS) R3433129-6 07/22/19 23:41 • (MSD) R3433129-7 07/22/19 23:56

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | 56600           | 104000    | 104000     | 94.0    | 95.4     | 1        | 80.0-120    | E            | E             | 0.660 | 15         |



Method Blank (MB)

(MB) R3433299-4 07/19/19 20:09

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | 0.424     | J            | 0.361  | 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     |
| (S) Toluene-d8            | 97.7      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 87.2      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 108       |              |        | 70.0-130 |

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

(LCS) R3433299-2 07/19/19 19:09 • (LCSD) R3433299-3 07/19/19 19:29

| 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                   | 25.0         | 25.4       | 25.6        | 102      | 102       | 70.0-130    |               |                | 0.531 | 20         |
| 1,2-Dichloroethane        | 25.0         | 27.6       | 27.8        | 110      | 111       | 70.0-130    |               |                | 0.784 | 20         |
| Ethylbenzene              | 25.0         | 24.1       | 22.4        | 96.5     | 89.5      | 70.0-130    |               |                | 7.50  | 20         |
| Methyl tert-butyl ether   | 25.0         | 25.0       | 24.8        | 100      | 99.3      | 70.0-130    |               |                | 0.765 | 20         |
| Naphthalene               | 25.0         | 21.9       | 22.6        | 87.8     | 90.4      | 70.0-130    |               |                | 2.95  | 20         |
| Toluene                   | 25.0         | 22.9       | 21.0        | 91.6     | 84.0      | 70.0-130    |               |                | 8.71  | 20         |
| Xylenes, Total            | 75.0         | 72.5       | 67.2        | 96.7     | 89.6      | 70.0-130    |               |                | 7.59  | 20         |
| (S) Toluene-d8            |              |            |             | 94.2     | 86.6      | 80.0-120    |               |                |       |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 98.4     | 87.8      | 77.0-126    |               |                |       |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 120      | 125       | 70.0-130    |               |                |       |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3433458-3 07/20/19 03:35

| Analyte                        | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Acetone                        | U                 |              | 10.0           | 50.0           |
| Benzene                        | U                 |              | 0.331          | 1.00           |
| Bromochloromethane             | U                 |              | 0.520          | 1.00           |
| Bromodichloromethane           | U                 |              | 0.380          | 1.00           |
| Bromoform                      | U                 |              | 0.469          | 1.00           |
| Bromomethane                   | U                 |              | 0.866          | 5.00           |
| Carbon disulfide               | U                 |              | 0.275          | 1.00           |
| Carbon tetrachloride           | U                 |              | 0.379          | 1.00           |
| Chlorobenzene                  | U                 |              | 0.348          | 1.00           |
| Chlorodibromomethane           | U                 |              | 0.327          | 1.00           |
| Chloroethane                   | U                 |              | 0.453          | 5.00           |
| Cyclohexane                    | U                 |              | 0.390          | 1.00           |
| Chloroform                     | U                 |              | 0.324          | 5.00           |
| Chloromethane                  | U                 |              | 0.276          | 2.50           |
| 1,2-Dibromo-3-Chloropropane    | U                 |              | 1.33           | 5.00           |
| 1,2-Dibromoethane              | U                 |              | 0.381          | 1.00           |
| 1,2-Dichlorobenzene            | U                 |              | 0.349          | 1.00           |
| 1,3-Dichlorobenzene            | U                 |              | 0.220          | 1.00           |
| 1,4-Dichlorobenzene            | U                 |              | 0.274          | 1.00           |
| Dichlorodifluoromethane        | U                 |              | 0.551          | 5.00           |
| 1,1-Dichloroethane             | U                 |              | 0.259          | 1.00           |
| 1,2-Dichloroethane             | U                 |              | 0.361          | 1.00           |
| 1,1-Dichloroethene             | U                 |              | 0.398          | 1.00           |
| cis-1,2-Dichloroethene         | U                 |              | 0.260          | 1.00           |
| trans-1,2-Dichloroethene       | U                 |              | 0.396          | 1.00           |
| 1,2-Dichloropropane            | U                 |              | 0.306          | 1.00           |
| cis-1,3-Dichloropropene        | U                 |              | 0.418          | 1.00           |
| trans-1,3-Dichloropropene      | U                 |              | 0.419          | 1.00           |
| Ethylbenzene                   | U                 |              | 0.384          | 1.00           |
| 2-Hexanone                     | U                 |              | 3.82           | 10.0           |
| Isopropylbenzene               | U                 |              | 0.326          | 1.00           |
| Methyl Acetate                 | U                 |              | 4.30           | 20.0           |
| Methyl Cyclohexane             | U                 |              | 0.380          | 1.00           |
| 2-Butanone (MEK)               | U                 |              | 3.93           | 10.0           |
| Methylene Chloride             | U                 |              | 1.00           | 5.00           |
| 4-Methyl-2-pentanone (MIBK)    | U                 |              | 2.14           | 10.0           |
| Methyl tert-butyl ether        | U                 |              | 0.367          | 1.00           |
| Styrene                        | U                 |              | 0.307          | 1.00           |
| 1,1,2,2-Tetrachloroethane      | U                 |              | 0.130          | 1.00           |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.303          | 1.00           |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3433458-3 07/20/19 03:35

| Analyte                   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene         | U                 |              | 0.372          | 1.00           |
| Toluene                   | U                 |              | 0.412          | 1.00           |
| 1,2,3-Trichlorobenzene    | 0.434             | <u>J</u>     | 0.230          | 1.00           |
| 1,2,4-Trichlorobenzene    | U                 |              | 0.355          | 1.00           |
| 1,1,1-Trichloroethane     | U                 |              | 0.319          | 1.00           |
| 1,1,2-Trichloroethane     | U                 |              | 0.383          | 1.00           |
| Trichloroethene           | U                 |              | 0.398          | 1.00           |
| Trichlorofluoromethane    | U                 |              | 1.20           | 5.00           |
| Vinyl chloride            | U                 |              | 0.259          | 1.00           |
| Xylenes, Total            | U                 |              | 1.06           | 3.00           |
| (S) Toluene-d8            | 108               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 98.4              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 91.0              |              |                | 70.0-130       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

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

(LCS) R3433458-1 07/20/19 02:35 • (LCSD) R3433458-2 07/20/19 02:55

| Analyte                     | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Bromochloromethane          | 25.0                 | 27.8               | 29.1                | 111           | 116            | 70.0-130         |               |                | 4.50     | 20              |
| Carbon disulfide            | 25.0                 | 25.1               | 26.0                | 100           | 104            | 70.0-130         |               |                | 3.72     | 20              |
| Acetone                     | 125                  | 157                | 171                 | 126           | 137            | 70.0-130         |               | <u>J4</u>      | 8.24     | 27              |
| Benzene                     | 25.0                 | 23.2               | 24.0                | 92.7          | 95.8           | 70.0-130         |               |                | 3.30     | 20              |
| Bromodichloromethane        | 25.0                 | 21.9               | 22.5                | 87.6          | 90.1           | 70.0-130         |               |                | 2.79     | 20              |
| Bromoform                   | 25.0                 | 27.6               | 28.2                | 110           | 113            | 70.0-130         |               |                | 1.96     | 20              |
| Bromomethane                | 25.0                 | 23.4               | 24.7                | 93.5          | 98.9           | 70.0-130         |               |                | 5.67     | 25              |
| Carbon tetrachloride        | 25.0                 | 23.8               | 24.6                | 95.4          | 98.2           | 70.0-130         |               |                | 2.91     | 20              |
| Chlorobenzene               | 25.0                 | 26.2               | 27.3                | 105           | 109            | 70.0-130         |               |                | 4.11     | 20              |
| Chlorodibromomethane        | 25.0                 | 27.2               | 27.9                | 109           | 112            | 70.0-130         |               |                | 2.42     | 20              |
| Chloroethane                | 25.0                 | 24.9               | 26.0                | 99.6          | 104            | 70.0-130         |               |                | 4.14     | 20              |
| Chloroform                  | 25.0                 | 22.7               | 23.4                | 90.9          | 93.5           | 70.0-130         |               |                | 2.81     | 20              |
| Chloromethane               | 25.0                 | 32.0               | 32.9                | 128           | 131            | 70.0-130         |               | <u>J4</u>      | 2.73     | 20              |
| 1,2-Dibromo-3-Chloropropane | 25.0                 | 23.3               | 25.1                | 93.3          | 101            | 70.0-130         |               |                | 7.49     | 20              |
| 1,2-Dibromoethane           | 25.0                 | 26.0               | 26.7                | 104           | 107            | 70.0-130         |               |                | 2.96     | 20              |
| cis-1,3-Dichloropropene     | 25.0                 | 23.7               | 24.3                | 94.6          | 97.2           | 70.0-130         |               |                | 2.69     | 20              |
| 1,2-Dichlorobenzene         | 25.0                 | 23.1               | 24.2                | 92.6          | 96.7           | 70.0-130         |               |                | 4.41     | 20              |
| trans-1,3-Dichloropropene   | 25.0                 | 22.7               | 23.8                | 90.9          | 95.2           | 70.0-130         |               |                | 4.59     | 20              |
| 1,3-Dichlorobenzene         | 25.0                 | 24.7               | 25.8                | 98.7          | 103            | 70.0-130         |               |                | 4.38     | 20              |
| 1,4-Dichlorobenzene         | 25.0                 | 24.1               | 25.1                | 96.5          | 101            | 70.0-130         |               |                | 4.06     | 20              |





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

(LCS) R3433458-1 07/20/19 02:35 • (LCSD) R3433458-2 07/20/19 02:55

| Analyte                        | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dichlorodifluoromethane        | 25.0                 | 33.6               | 33.1                | 134           | 133            | 70.0-130         | J4            | J4             | 1.43     | 20              |
| 1,1-Dichloroethane             | 25.0                 | 24.4               | 24.9                | 97.4          | 99.8           | 70.0-130         |               |                | 2.40     | 20              |
| 1,2-Dichloroethane             | 25.0                 | 21.0               | 21.4                | 83.9          | 85.7           | 70.0-130         |               |                | 2.10     | 20              |
| 1,1-Dichloroethene             | 25.0                 | 23.8               | 24.7                | 95.3          | 98.7           | 70.0-130         |               |                | 3.56     | 20              |
| 2-Hexanone                     | 125                  | 115                | 118                 | 92.1          | 94.0           | 70.0-130         |               |                | 2.03     | 20              |
| cis-1,2-Dichloroethene         | 25.0                 | 24.2               | 25.0                | 96.9          | 100            | 70.0-130         |               |                | 3.32     | 20              |
| trans-1,2-Dichloroethene       | 25.0                 | 23.5               | 24.3                | 94.0          | 97.3           | 70.0-130         |               |                | 3.43     | 20              |
| 1,2-Dichloropropane            | 25.0                 | 25.7               | 26.5                | 103           | 106            | 70.0-130         |               |                | 2.91     | 20              |
| Ethylbenzene                   | 25.0                 | 25.0               | 25.9                | 99.8          | 103            | 70.0-130         |               |                | 3.54     | 20              |
| Isopropylbenzene               | 25.0                 | 25.1               | 26.0                | 100           | 104            | 70.0-130         |               |                | 3.75     | 20              |
| 1,1,2-Trichlorotrifluoroethane | 25.0                 | 23.7               | 24.5                | 94.8          | 97.9           | 70.0-130         |               |                | 3.25     | 20              |
| 2-Butanone (MEK)               | 125                  | 125                | 129                 | 99.6          | 103            | 70.0-130         |               |                | 3.59     | 20              |
| Methylene Chloride             | 25.0                 | 24.1               | 25.0                | 96.3          | 99.9           | 70.0-130         |               |                | 3.69     | 20              |
| 4-Methyl-2-pentanone (MIBK)    | 125                  | 114                | 115                 | 91.0          | 92.3           | 70.0-130         |               |                | 1.40     | 20              |
| Methyl tert-butyl ether        | 25.0                 | 23.5               | 23.8                | 94.2          | 95.1           | 70.0-130         |               |                | 1.02     | 20              |
| Styrene                        | 25.0                 | 25.5               | 26.4                | 102           | 105            | 70.0-130         |               |                | 3.21     | 20              |
| 1,1,2,2-Tetrachloroethane      | 25.0                 | 26.0               | 26.7                | 104           | 107            | 70.0-130         |               |                | 2.69     | 20              |
| Tetrachloroethene              | 25.0                 | 28.4               | 29.6                | 114           | 119            | 70.0-130         |               |                | 4.33     | 20              |
| Toluene                        | 25.0                 | 25.4               | 26.3                | 102           | 105            | 70.0-130         |               |                | 3.40     | 20              |
| 1,2,3-Trichlorobenzene         | 25.0                 | 24.5               | 26.8                | 97.8          | 107            | 70.0-130         |               |                | 9.00     | 20              |
| 1,2,4-Trichlorobenzene         | 25.0                 | 25.2               | 26.9                | 101           | 108            | 70.0-130         |               |                | 6.45     | 20              |
| 1,1,1-Trichloroethane          | 25.0                 | 22.8               | 23.3                | 91.2          | 93.0           | 70.0-130         |               |                | 2.03     | 20              |
| 1,1,2-Trichloroethane          | 25.0                 | 25.9               | 26.4                | 104           | 106            | 70.0-130         |               |                | 1.88     | 20              |
| Trichloroethene                | 25.0                 | 25.8               | 27.0                | 103           | 108            | 70.0-130         |               |                | 4.44     | 20              |
| Trichlorofluoromethane         | 25.0                 | 24.6               | 25.0                | 98.6          | 100            | 70.0-130         |               |                | 1.61     | 20              |
| Vinyl chloride                 | 25.0                 | 24.9               | 25.6                | 99.5          | 103            | 70.0-130         |               |                | 3.04     | 20              |
| Xylenes, Total                 | 75.0                 | 75.7               | 78.4                | 101           | 105            | 70.0-130         |               |                | 3.50     | 20              |
| (S) Toluene-d8                 |                      |                    |                     | 108           | 108            | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene       |                      |                    |                     | 99.5          | 99.4           | 77.0-126         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4      |                      |                    |                     | 96.1          | 95.9           | 70.0-130         |               |                |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3433741-3 07/23/19 18:57

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| Methyl tert-butyl ether   | U         |              | 0.367  | 1.00     |
| (S) Toluene-d8            | 109       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 99.2      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 87.4      |              |        | 70.0-130 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

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

(LCS) R3433741-1 07/23/19 17:57 • (LCSD) R3433741-2 07/23/19 18:17

| 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                   | 25.0         | 22.8       | 23.6        | 91.2     | 94.3      | 70.0-130    |               |                | 3.32 | 20         |
| Methyl tert-butyl ether   | 25.0         | 24.4       | 22.9        | 97.8     | 91.8      | 70.0-130    |               |                | 6.33 | 20         |
| (S) Toluene-d8            |              |            |             | 108      | 108       | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 100      | 98.9      | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 92.7     | 93.1      | 70.0-130    |               |                |      |            |

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3434222-4 07/25/19 11:26

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| (S) Toluene-d8            | 108       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 97.0      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 104       |              |        | 70.0-130 |

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

(LCS) R3434222-1 07/25/19 10:06 • (LCSD) R3434222-2 07/25/19 10:26

| 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                   | 25.0         | 23.1       | 23.0        | 92.3     | 92.0      | 70.0-130    |               |                | 0.284 | 20         |
| (S) Toluene-d8            |              |            |             | 108      | 106       | 80.0-120    |               |                |       |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 99.5     | 99.3      | 77.0-126    |               |                |       |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 108      | 107       | 70.0-130    |               |                |       |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

| 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.   |



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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

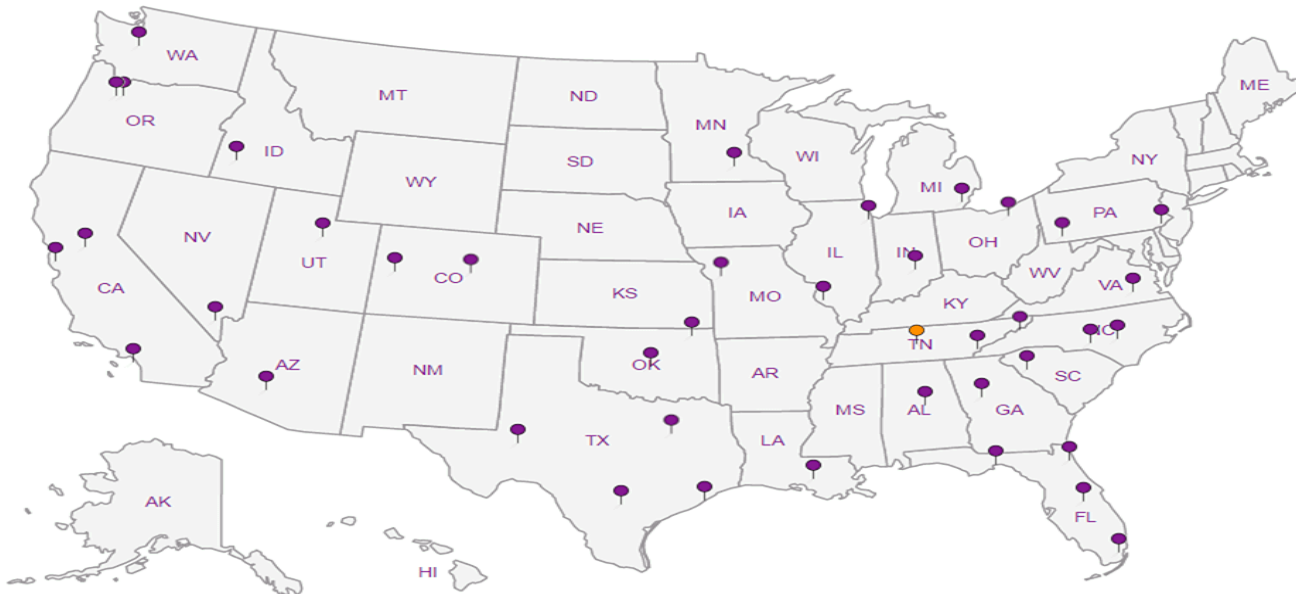
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta GA 30328

Report to:  
Bethany Garvey

Billing information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

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

City/State  
Collected: BELTON, SC

Lab Project #  
KINCH2MGA-LEWIS12

P.O #

Quote #

Date Results Needed

Pres  
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



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



Project  
Description: Lewis Drive Groundwater

Phone: 770-604-9182  
Fax:

Client Project #  
D316/1400.B.PN.GEN.  
LDO MR. CW

Collected by (print):  
MELISSA WARREN

Site/Facility ID #  
LEWIS DRIVE

Collected by (signature):  
*Melissa Warren*

Rush? (Lab MUST Be Notified)

Same Day Five Day  
Next Day 5 Day (Rad Only)  
Two Day 10 Day (Rad Only)  
Three Day

Immediately Packed on Ice N  Y

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs |
|-----------|-----------|----------|-------|------|------|--------------|
|-----------|-----------|----------|-------|------|------|--------------|

|                |      |    |    |          |      |    |
|----------------|------|----|----|----------|------|----|
| MW-46-071719   | GRAB | GW | NA | 07/17/19 | 1505 | 34 |
| MW-46-D-071719 | ↓    | GW | ↓  | ↓        | 1505 | 3  |
| MW-56-071719   | ↓    | GW | ↓  | ↓        | 1640 | 34 |
| MW-57-071719   | ↓    | GW | ↓  | ↓        | 1750 | 34 |
| FB01-071719    | ↓    | GW | ↓  | ↓        | 1700 | 3  |
| TB01-071719    | ↓    | TB | ↓  | ↓        | 1000 | 1  |

\*NITRATE,SULFATE\* 125mlHDPE-NoPres  
ALK, CO2 125mlHDPE-NoPres  
RSK175 40mlAmb HCl  
V8260BTEXMNSC 40mlAmb-HCl  
V8260TCLSC-TB 40mlAmb-NoPres-Bik  
SULFATE BY USEPA METHOD  
300.0 07 9056

L # L119894  
Tak B034  
Account # 1111111111  
Template: T130277  
Prelogin: P695785  
TSR: 526 - Chris McCord  
PB:  
Shipped Via: FedEX Ground

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

Remarks: \*NITRATE/SULFATE\* has a 48hr hold time.

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

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

Samples returned via:  
 UPS  FedEx  Courier

Tracking # 4666 6469 1315

Relinquished by: (Signature)  
*Melissa Warren*

Date: 07/17/19  
1900 Time: 1900

Received by: (Signature)

Trip Blank Received:  Yes  No  
(HCl/MeOH TB)

RAD SCREEN: <0.5 mR/hr

Relinquished by: (Signature)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature)

Temp: \_\_\_\_\_ °C Bottles Received: 14

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature)  
*RMS*

Date: 7-18-19 Time: 8:45

Hold: \_\_\_\_\_ Condition: NCF /  OK

July 30, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

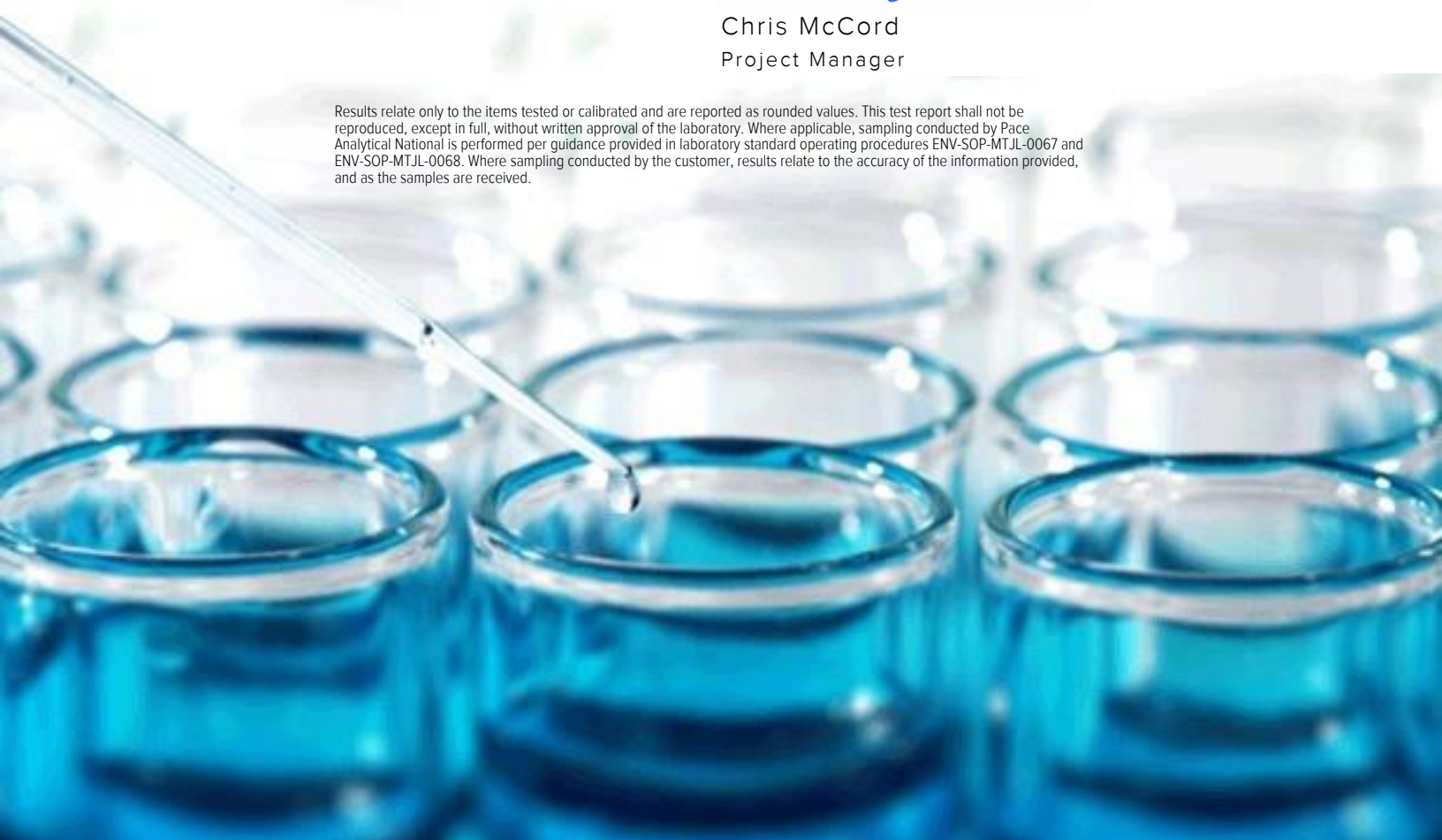
Sample Delivery Group: L1121169  
Samples Received: 07/19/2019  
Project Number: D3161400.B.PN.GEN.LD  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

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.





|   |           |                       |
|---|-----------|-----------------------|
| <b>Cp: Cover Page</b>                                     | <b>1</b>  | <b><sup>1</sup>Cp</b> |
| <b>Tc: Table of Contents</b>                              | <b>2</b>  | <b><sup>2</sup>Tc</b> |
| <b>Ss: Sample Summary</b>                                 | <b>3</b>  | <b><sup>3</sup>Ss</b> |
| <b>Cn: Case Narrative</b>                                 | <b>4</b>  | <b><sup>4</sup>Cn</b> |
| <b>Sr: Sample Results</b>                                 | <b>5</b>  | <b><sup>5</sup>Sr</b> |
| <b>MW-38-071819 L1121169-01</b>                           | <b>5</b>  |                       |
| <b>MW-37-071819 L1121169-02</b>                           | <b>6</b>  |                       |
| <b>Qc: Quality Control Summary</b>                        | <b>7</b>  | <b><sup>6</sup>Qc</b> |
| <b>Wet Chemistry by Method 9056A</b>                      | <b>7</b>  |                       |
| <b>Volatile Organic Compounds (GC/MS) by Method 8260B</b> | <b>8</b>  |                       |
| <b>Gl: Glossary of Terms</b>                              | <b>11</b> | <b><sup>7</sup>Gl</b> |
| <b>Al: Accreditations &amp; Locations</b>                 | <b>12</b> | <b><sup>8</sup>Al</b> |
| <b>Sc: Sample Chain of Custody</b>                        | <b>13</b> | <b><sup>9</sup>Sc</b> |



# SAMPLE SUMMARY



## MW-38-071819 L1121169-01 GW

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 11:10  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/26/19 00:51        | 07/26/19 00:51     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1315953 | 1        | 07/23/19 20:06        | 07/23/19 20:06     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318260 | 10       | 07/26/19 15:35        | 07/26/19 15:35     | JHH     | Mt. Juliet, TN |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MW-37-071819 L1121169-02 GW

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 09:45  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/26/19 01:07        | 07/26/19 01:07     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1316358 | 1        | 07/25/19 14:00        | 07/25/19 14:00     | 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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/26/2019 00:51     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1260   |           | 10.0     | 10       | 07/26/2019 15:35     | <a href="#">WG1318260</a> |
| Toluene                   | 3.27   |           | 1.00     | 1        | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| Total Xylenes             | 308    |           | 30.0     | 10       | 07/26/2019 15:35     | <a href="#">WG1318260</a> |
| Methyl tert-butyl ether   | 104    |           | 1.00     | 1        | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| Naphthalene               | 16.2   |           | 5.00     | 1        | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| (S) Toluene-d8            | 93.3   |           | 80.0-120 |          | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 07/26/2019 15:35     | <a href="#">WG1318260</a> |
| (S) 4-Bromofluorobenzene  | 95.0   |           | 77.0-126 |          | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 07/26/2019 15:35     | <a href="#">WG1318260</a> |
| (S) 1,2-Dichloroethane-d4 | 99.4   |           | 70.0-130 |          | 07/23/2019 20:06     | <a href="#">WG1315953</a> |
| (S) 1,2-Dichloroethane-d4 | 88.4   |           | 70.0-130 |          | 07/26/2019 15:35     | <a href="#">WG1318260</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/26/2019 01:07     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| (S) 4-Bromofluorobenzene  | 98.5   |           | 77.0-126 |          | 07/25/2019 14:00     | <a href="#">WG1316358</a> |
| (S) 1,2-Dichloroethane-d4 | 109    |           | 70.0-130 |          | 07/25/2019 14:00     | <a href="#">WG1316358</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3434476-1 07/25/19 14:34

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | 250       | ↓            | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1120363-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1120363-01 07/25/19 15:33 • (DUP) R3434476-3 07/25/19 15:49

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 357        | 1        | 0.000   |               | 15             |

L1121169-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1121169-02 07/26/19 01:07 • (DUP) R3434476-6 07/26/19 01:23

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 465        | 1        | 0.000   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3434476-2 07/25/19 14:50

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39000      | 97.5     | 80.0-120    |               |

L1120363-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1120363-01 07/25/19 15:33 • (MS) R3434476-4 07/25/19 16:05 • (MSD) R3434476-5 07/25/19 16:22

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | ND              | 50300     | 50000      | 100     | 99.5     | 1        | 80.0-120    |              |               | 0.486 | 15         |

L1121169-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1121169-02 07/26/19 01:07 • (MS) R3434476-7 07/26/19 01:40

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Sulfate | 50000        | ND              | 50100     | 99.5    | 1        | 80.0-120    |              |



Method Blank (MB)

(MB) R3433512-3 07/23/19 10:27

| Analyte                   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| 1,2-Dichloroethane        | U                 |              | 0.361          | 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           |
| (S) Toluene-d8            | 92.9              |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 93.5              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 112               |              |                | 70.0-130       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3433512-1 07/23/19 09:07

| Analyte                   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| 1,2-Dichloroethane        | 25.0                 | 27.7               | 111           | 70.0-130         |               |
| Ethylbenzene              | 25.0                 | 22.3               | 89.2          | 70.0-130         |               |
| Methyl tert-butyl ether   | 25.0                 | 25.6               | 102           | 70.0-130         |               |
| Naphthalene               | 25.0                 | 24.6               | 98.5          | 70.0-130         |               |
| Toluene                   | 25.0                 | 21.4               | 85.6          | 70.0-130         |               |
| (S) Toluene-d8            |                      |                    | 88.2          | 80.0-120         |               |
| (S) 4-Bromofluorobenzene  |                      |                    | 94.7          | 77.0-126         |               |
| (S) 1,2-Dichloroethane-d4 |                      |                    | 119           | 70.0-130         |               |



Method Blank (MB)

(MB) R3434714-3 07/25/19 12:00

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 97.1      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 99.9      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 110       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3434714-2 07/25/19 10:33

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 28.3       | 113      | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 30.0       | 120      | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 23.3       | 93.2     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 27.2       | 109      | 70.0-130    |               |
| Naphthalene               | 25.0         | 21.9       | 87.6     | 70.0-130    |               |
| Toluene                   | 25.0         | 23.1       | 92.5     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 71.2       | 94.9     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 86.4     | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 92.2     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 120      | 70.0-130    |               |

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3434792-2 07/26/19 11:15

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/l      |              | ug/l   | ug/l     |
| Benzene                          | U         |              | 0.331  | 1.00     |
| Xylenes, Total                   | U         |              | 1.06   | 3.00     |
| <i>(S) Toluene-d8</i>            | 107       |              |        | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i>  | 101       |              |        | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 93.7      |              |        | 70.0-130 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS)

(LCS) R3434792-1 07/26/19 10:35

| Analyte                          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------------------|--------------|------------|----------|-------------|---------------|
|                                  | ug/l         | ug/l       | %        | %           |               |
| Benzene                          | 25.0         | 24.4       | 97.5     | 70.0-130    |               |
| Xylenes, Total                   | 75.0         | 76.5       | 102      | 70.0-130    |               |
| <i>(S) Toluene-d8</i>            |              |            | 105      | 80.0-120    |               |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            | 103      | 77.0-126    |               |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            | 102      | 70.0-130    |               |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

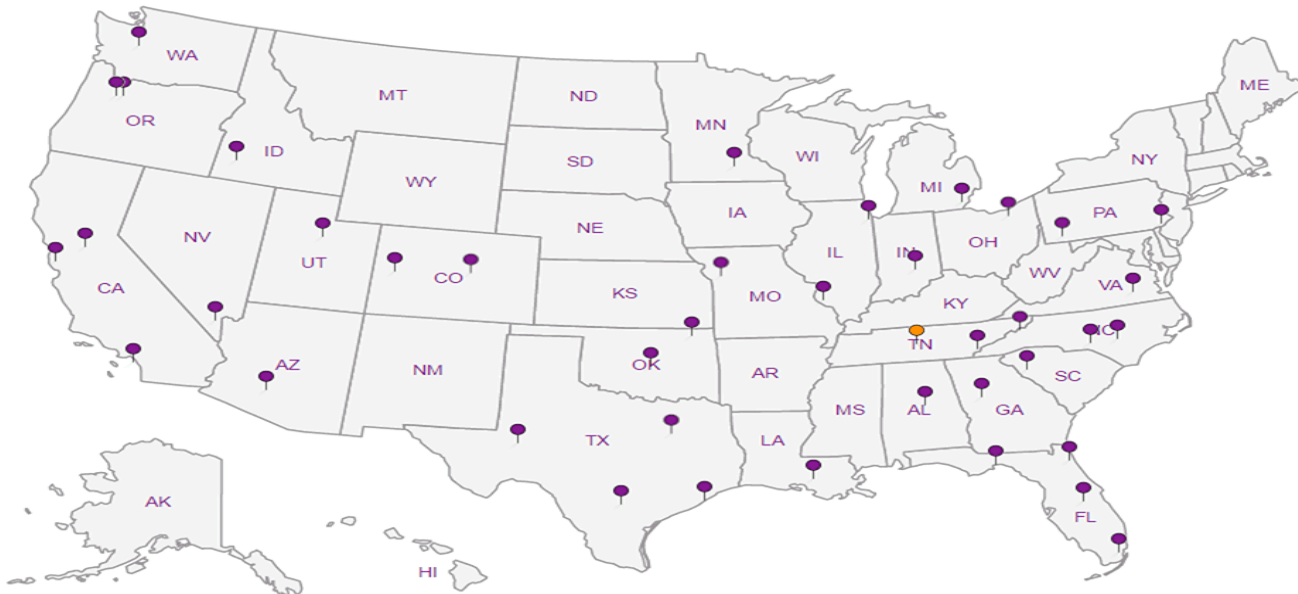
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





|                  |                   |             |                        |
|------------------|-------------------|-------------|------------------------|
| Login #: 1121169 | Client: KINCH2MGA | Date: 07/19 | Evaluated by: Kelsey S |
|------------------|-------------------|-------------|------------------------|

**Non-Conformance (check applicable items)**

| Sample Integrity               | Chain of Custody Clarification                   |  |
|--------------------------------|--|--|
| Parameter(s) past holding time | Login Clarification Needed                       | <b>If Broken Container:</b>                          |
| Temperature not in range       | Chain of custody is incomplete                   | Insufficient packing material around container       |
| Improper container type        | Please specify Metals requested.                 | Insufficient packing material inside cooler          |
| pH not in range.               | Please specify TCLP requested.                   | Improper handling by carrier (FedEx / UPS / Courier) |
| Insufficient sample volume.    | Received additional samples not listed on coc.   | Sample was frozen                                    |
| Sample is biphasic.            | Sample ids on containers do not match ids on coc | Container lid not intact                             |
| Vials received with headspace. | Trip Blank not received.                         | <b>If no Chain of Custody:</b>                       |
| Broken container               | Client did not "X" analysis.                     | Received by: Lexxi R                                 |
| Broken container:              | Chain of Custody is missing                      | Date/Time: 07/19/19 0845                             |
| Sufficient sample remains      |  | Temp./Cont. Rec./pH: 2.2/ 13                         |
|                                |  | Carrier: FedEx                                       |
|                                |  | Tracking# 4686 6469 1326                             |

**Login Comments:** Project: Lewis Drive Groundwater Project #: KINCH2MGA-LEWIS12 AND Project: Lewis Drive Surface Water

**Received 1 250ml-nopres per id**

Please see attached list written by unpacker for IDs and times.

|                     |                                |       |   |            |               |            |
|---------------------|--------------------------------|-------|---|------------|---------------|------------|
| Client informed by: | Call                           | Email | X | Voice Mail | Date: 7/24/19 | Time: 1235 |
| TSR Initials: JCR   | Client Contact: Bethany Garvey |       |   |            |               |            |

**Login Instructions:**

These should have arrived yesterday, 07/23. Please add containers and SULFATE analysis to L1120363-01 thru -11 and L1121169-01/-02

August 27, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

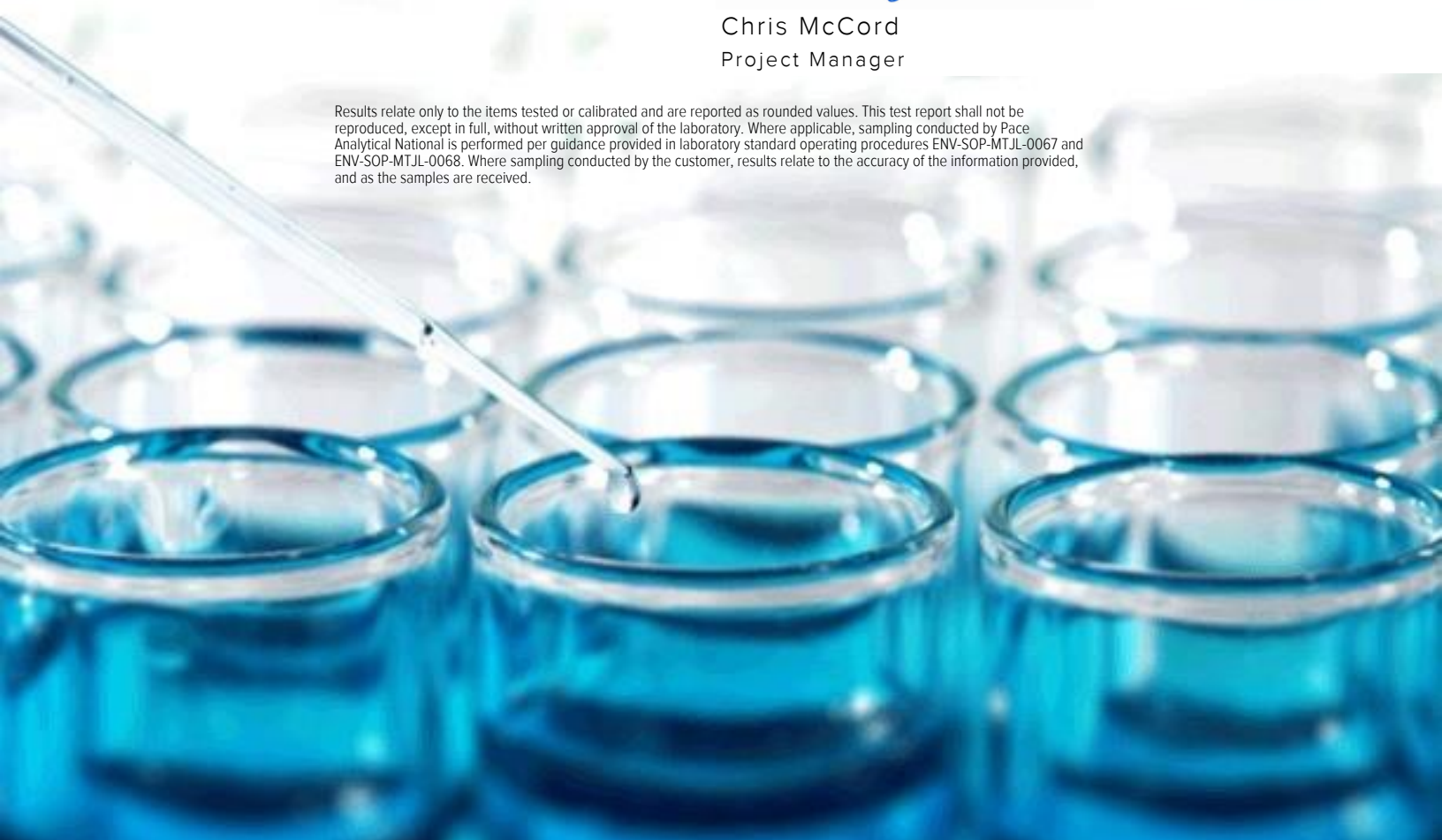
Sample Delivery Group: L1130819  
Samples Received: 08/20/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

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.





|  |           |   |
|--|-----------|---|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |   |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>5</b>  |   |
| <b>Sr: Sample Results</b>                          | <b>6</b>  |  |
| MW-39-081919 L1130819-01                           | 6         |   |
| MW-52-081919 L1130819-02                           | 7         |  |
| MW-51-081919 L1130819-03                           | 8         |  |
| MW-36-081919 L1130819-04                           | 9         |   |
| MW-55-081919 L1130819-05                           | 10        |  |
| MW-53-081919 L1130819-06                           | 11        |   |
| MW-54-081919 L1130819-07                           | 12        |  |
| MW-26-081919 L1130819-08                           | 13        |  |
| MW-41-081919 L1130819-10                           | 14        |   |
| FB01-081919 L1130819-12                            | 15        |  |
| TB01-081919 L1130819-13                            | 16        |   |
| <b>Qc: Quality Control Summary</b>                 | <b>17</b> |   |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 17        |   |
| <b>Gl: Glossary of Terms</b>                       | <b>20</b> |   |
| <b>Al: Accreditations &amp; Locations</b>          | <b>21</b> |   |
| <b>Sc: Sample Chain of Custody</b>                 | <b>22</b> |   |

# SAMPLE SUMMARY



| MW-39-081919 L1130819-01 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 14:35 | Received date/time<br>08/20/19 08:30 |  |
|--|-----------|----------|-----------------------|--------------------------------|---------------------------------------|--------------------------------------|--|
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 11:46        | 08/24/19 11:46                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-52-081919 L1130819-02 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 15:35 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 12:07        | 08/24/19 12:07                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-51-081919 L1130819-03 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 15:40 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 12:30        | 08/24/19 12:30                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-36-081919 L1130819-04 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 15:55 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 20       | 08/24/19 12:51        | 08/24/19 12:51                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-55-081919 L1130819-05 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 16:00 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 13:13        | 08/24/19 13:13                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-53-081919 L1130819-06 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 15:10 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 13:35        | 08/24/19 13:35                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-54-081919 L1130819-07 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 15:20 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 13:57        | 08/24/19 13:57                 | JCP                                   | Mt. Juliet, TN                       |  |
| MW-26-081919 L1130819-08 GW                        |           |          |                       | Collected by<br>Bethany Garvey | Collected date/time<br>08/19/19 13:50 | Received date/time<br>08/20/19 08:30 |  |
| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time             | Analyst                               | Location                             |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 14:19        | 08/24/19 14:19                 | JCP                                   | Mt. Juliet, TN                       |  |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# SAMPLE SUMMARY



## MW-41-081919 L1130819-10 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/19/19 14:30  
 Received date/time: 08/20/19 08:30

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334277 | 1        | 08/24/19 14:41        | 08/24/19 14:41     | JCP     | Mt. Juliet, TN |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

## FB01-081919 L1130819-12 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/19/19 16:05  
 Received date/time: 08/20/19 08:30

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 09:12        | 08/25/19 09:12     | JHH     | Mt. Juliet, TN |

<sup>4</sup> Cn

<sup>5</sup> Sr

## TB01-081919 L1130819-13 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/19/19 00:00  
 Received date/time: 08/20/19 08:30

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 09:32        | 08/25/19 09:32     | JHH     | Mt. Juliet, TN |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





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

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 10.9   |           | 1.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| Total Xylenes             | 5.35   |           | 3.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | 162    |           | 1.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 95.8   |           | 77.0-126 |          | 08/24/2019 11:46     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 87.5   |           | 70.0-130 |          | 08/24/2019 11:46     | <a href="#">WG1334277</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | 2.01   |           | 1.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 96.3   |           | 77.0-126 |          | 08/24/2019 12:07     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 91.9   |           | 70.0-130 |          | 08/24/2019 12:07     | <a href="#">WG1334277</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 98.5   |           | 77.0-126 |          | 08/24/2019 12:30     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 90.9   |           | 70.0-130 |          | 08/24/2019 12:30     | <a href="#">WG1334277</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 484    |           | 20.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| Toluene                   | 27.5   |           | 20.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 20.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| Total Xylenes             | 197    |           | 60.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 20.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 100      | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 20.0     | 20       | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 95.0   |           | 77.0-126 |          | 08/24/2019 12:51     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 88.6   |           | 70.0-130 |          | 08/24/2019 12:51     | <a href="#">WG1334277</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 96.5   |           | 77.0-126 |          | 08/24/2019 13:13     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 91.0   |           | 70.0-130 |          | 08/24/2019 13:13     | <a href="#">WG1334277</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 94.9   |           | 77.0-126 |          | 08/24/2019 13:35     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 90.6   |           | 70.0-130 |          | 08/24/2019 13:35     | <a href="#">WG1334277</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 94.0   |           | 77.0-126 |          | 08/24/2019 13:57     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 89.3   |           | 70.0-130 |          | 08/24/2019 13:57     | <a href="#">WG1334277</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 97.5   |           | 77.0-126 |          | 08/24/2019 14:19     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 90.2   |           | 70.0-130 |          | 08/24/2019 14:19     | <a href="#">WG1334277</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| (S) Toluene-d8            | 111    |           | 80.0-120 |          | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| (S) 4-Bromofluorobenzene  | 99.7   |           | 77.0-126 |          | 08/24/2019 14:41     | <a href="#">WG1334277</a> |
| (S) 1,2-Dichloroethane-d4 | 92.5   |           | 70.0-130 |          | 08/24/2019 14:41     | <a href="#">WG1334277</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 116    |           | 80.0-120 |          | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 95.5   |           | 77.0-126 |          | 08/25/2019 09:12     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 102    |           | 70.0-130 |          | 08/25/2019 09:12     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 112    |           | 80.0-120 |          | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 97.8   |           | 77.0-126 |          | 08/25/2019 09:32     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 103    |           | 70.0-130 |          | 08/25/2019 09:32     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3444357-4 08/24/19 11:23

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 110       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 96.7      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 91.9      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3444357-1 08/24/19 09:56 • (LCSD) R3444357-2 08/24/19 10:18

| 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                   | 25.0         | 26.5       | 26.3        | 106      | 105       | 70.0-130    |               |                | 0.826  | 20         |
| 1,2-Dichloroethane        | 25.0         | 22.9       | 22.7        | 91.5     | 90.8      | 70.0-130    |               |                | 0.741  | 20         |
| Ethylbenzene              | 25.0         | 22.4       | 22.4        | 89.6     | 89.6      | 70.0-130    |               |                | 0.0808 | 20         |
| Methyl tert-butyl ether   | 25.0         | 23.7       | 23.7        | 94.7     | 94.8      | 70.0-130    |               |                | 0.0807 | 20         |
| Naphthalene               | 25.0         | 22.7       | 25.6        | 90.8     | 102       | 70.0-130    |               |                | 11.9   | 20         |
| Toluene                   | 25.0         | 24.0       | 23.9        | 96.1     | 95.5      | 70.0-130    |               |                | 0.561  | 20         |
| Xylenes, Total            | 75.0         | 65.8       | 65.5        | 87.7     | 87.3      | 70.0-130    |               |                | 0.457  | 20         |
| (S) Toluene-d8            |              |            |             | 94.8     | 94.3      | 80.0-120    |               |                |        |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 88.3     | 85.6      | 77.0-126    |               |                |        |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 95.4     | 97.0      | 70.0-130    |               |                |        |            |

L1132514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1132514-01 08/24/19 18:41 • (MS) R3444357-5 08/24/19 19:03 • (MSD) R3444357-6 08/24/19 19:25

| 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       | %       | %        |          | %           |              |               | %    | %          |
| Benzene                 | 25.0         | ND              | 22.0      | 18.0       | 87.9    | 72.1     | 1        | 17.0-158    |              |               | 19.8 | 27         |
| 1,2-Dichloroethane      | 25.0         | ND              | 18.9      | 15.4       | 75.8    | 61.7     | 1        | 29.0-151    |              |               | 20.4 | 27         |
| Ethylbenzene            | 25.0         | ND              | 18.1      | 14.8       | 72.5    | 59.3     | 1        | 30.0-155    |              |               | 20.0 | 27         |
| Methyl tert-butyl ether | 25.0         | ND              | 19.4      | 15.7       | 77.8    | 62.8     | 1        | 28.0-150    |              |               | 21.2 | 29         |
| Naphthalene             | 25.0         | ND              | 16.5      | 15.7       | 66.1    | 62.6     | 1        | 12.0-156    |              |               | 5.44 | 35         |
| Toluene                 | 25.0         | ND              | 19.9      | 16.3       | 79.6    | 65.1     | 1        | 26.0-154    |              |               | 20.1 | 28         |
| Xylenes, Total          | 75.0         | ND              | 52.9      | 43.0       | 70.5    | 57.3     | 1        | 29.0-154    |              |               | 20.6 | 28         |



L1132514-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1132514-01 08/24/19 18:41 • (MS) R3444357-5 08/24/19 19:03 • (MSD) R3444357-6 08/24/19 19:25

| Analyte                   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) Toluene-d8            |                      |                         |                   |                    | 94.1         | 93.1          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                         |                   |                    | 85.9         | 87.6          |          | 77.0-126         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                         |                   |                    | 95.2         | 93.0          |          | 70.0-130         |              |               |          |                 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3444489-3 08/25/19 05:49

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/l      |              | ug/l   | ug/l     |
| Benzene                          | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane               | U         |              | 0.361  | 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     |
| <i>(S) Toluene-d8</i>            | 111       |              |        | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i>  | 97.5      |              |        | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 99.2      |              |        | 70.0-130 |

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

(LCS) R3444489-1 08/25/19 04:49 • (LCSD) R3444489-2 08/25/19 05:09

| 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                          | 25.0         | 23.2       | 22.8        | 92.7     | 91.3      | 70.0-130    |               |                | 1.54  | 20         |
| 1,2-Dichloroethane               | 25.0         | 22.2       | 21.7        | 88.6     | 86.7      | 70.0-130    |               |                | 2.23  | 20         |
| Ethylbenzene                     | 25.0         | 28.2       | 27.9        | 113      | 111       | 70.0-130    |               |                | 1.19  | 20         |
| Methyl tert-butyl ether          | 25.0         | 21.4       | 21.3        | 85.5     | 85.3      | 70.0-130    |               |                | 0.242 | 20         |
| Naphthalene                      | 25.0         | 21.3       | 21.8        | 85.3     | 87.1      | 70.0-130    |               |                | 2.11  | 20         |
| Toluene                          | 25.0         | 25.6       | 25.5        | 102      | 102       | 70.0-130    |               |                | 0.419 | 20         |
| Xylenes, Total                   | 75.0         | 80.4       | 81.1        | 107      | 108       | 70.0-130    |               |                | 0.867 | 20         |
| <i>(S) Toluene-d8</i>            |              |            |             | 111      | 113       | 80.0-120    |               |                |       |            |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            |             | 98.5     | 97.6      | 77.0-126    |               |                |       |            |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            |             | 105      | 103       | 70.0-130    |               |                |       |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

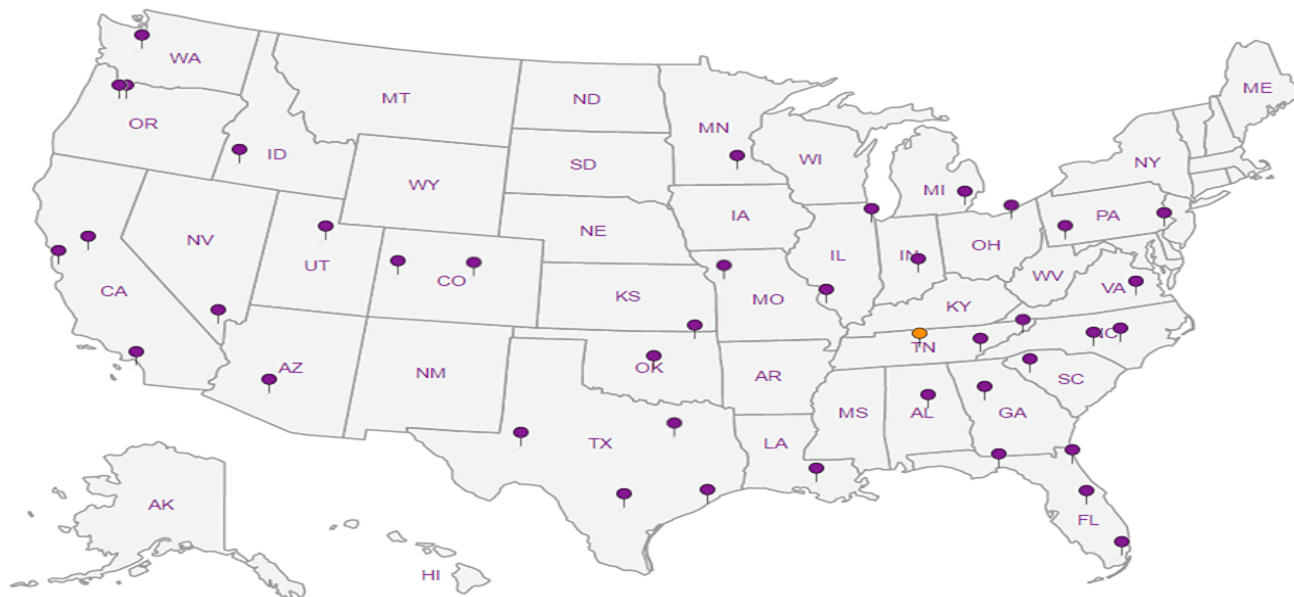
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

**Kinder Morgan- Atlanta, GA**  
 6600 Peachtree Dunwoody Road  
 400 Embassy Row - Suite 500  
 Atlanta GA 30328

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: **Bethan, SC**

Please Circle:  
 PT MT CT ET

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

Client Project #  
**D3161400**

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

**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 ft. | Date | Time | No. of Cntrs |
|-----------|-----------|----------|-----------|------|------|--------------|
|-----------|-----------|----------|-----------|------|------|--------------|

|              |      |    |    |         |      |   |
|--------------|------|----|----|---------|------|---|
| MW-39-081919 | Grab | GW | 11 | 8-19-19 | 1435 | 3 |
| MW-52-081919 |      | GW | 26 |         | 1535 | 3 |
| MW-51-081919 |      | GW | 23 |         | 1540 | 3 |
| MW-36-081919 |      | GW | 21 |         | 1555 | 3 |
| MW-55-081919 |      | GW | 24 |         | 1600 | 3 |
| MW-53-081919 |      | GW | 18 |         | 1510 | 3 |
| MW-54-081919 |      | GW | 23 |         | 1520 | 3 |
| MW-26-081919 |      | GW | 13 | 8-19-19 | 1350 | 3 |
| MW-23-081919 |      | GW | 18 |         | 1410 | 3 |
| MW-41-081919 |      | GW | 10 |         | 1430 | 3 |

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

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, 1,2-DCA.  
 pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
 UPS  FedEx  Courier \_\_\_\_\_  
 Tracking # **1082 5998 8129**

Relinquished by: (Signature)  
**Bethany Garvey**

Date: **8.19.19** Time: **17:15**

Received by: (Signature)

Trip Blank Received: Yes/No  
 HCL / MeoH  
 TBR

Sample Receipt Checklist  
 COC Seal Present/Intact:  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 mB/hr:  Y  N  
**RAD SCREEN: <0.5 mB/hr**

Relinquished by: (Signature)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature)

Temp: **31.3°C** Bottles Received: **30**

If preservation required by Login: Date/Time

Relinquished by: (Signature)


Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature)  
**Reggie**

Date: **8/20/19** Time: **08:50**

Hold: \_\_\_\_\_ Condition: **NCF / OK**

| Analysis / Container / Preservative | Pres Chk   |
|-------------------------------------|------------|
| SULFATE 125mIHDP-NOPres             |            |
| V8260BTEXMNSC 40mlAmb-HCl           | <b>HCl</b> |
| V8260BTEXMNSC-TB 40mlAmb-HCl-Bik    |            |

Chain of Custody Page 1 of 2  
  
 12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859



SDG # **1130819**

Tab **A149**

Acctnum: **KINCH2MGA**

Template: **T131319**

Prelogin: **P724307**

PM: **526 - Chris McCord**

PB: **8-13-19**

Shipped Via: **FedEx Ground**

| Remarks | Sample # (lab only) |
|---------|---------------------|
|         | <b>1</b>            |
|         | <b>2</b>            |
|         | <b>3</b>            |
|         | <b>4</b>            |
|         | <b>5</b>            |
|         | <b>6</b>            |
|         | <b>7</b>            |
|         | <b>8</b>            |
|         | <b>9</b>            |
|         | <b>10</b>           |

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

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

Pres  
Chk

Analysis / Container / Preservative



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



Project Description: **Lewis Drive Groundwater** City/State Collected: **Belton, SC** Please Circle: PT MT CT ET

Phone: 770-604-9182  
Fax:

Client Project #

D3161400

Lab Project #

KINCH2MGA-LEWIS12

Collected by (print):

Bethany Garvey

Site/Facility ID #

Lewis Drive

P.O. #

Collected by (signature):

Bethany Garvey

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

Immediately Packed on Ice N  Y

No. of  
Cntrs

| Sample ID      | Comp/Grab | Matrix * | Depth | Date    | Time | No. of Cntrs | Sulfate | HCl | HCl-Bik |
|----------------|-----------|----------|-------|---------|------|--------------|---------|-----|---------|
| MW-23-D-081919 | Grab      | GW       | 18    | 8.19.19 | 1410 | 3            | X       |     |         |
| TB01-081919    | Grab      | GW       | -     | 8.19.19 | 1605 | 3            | X       |     |         |
| TB01-081919    | Grab      | GW       | -     | 8.19.19 | -    | 1            |         | X   |         |
| MW-51-081919   | GRAB      | GW       | 23    | 8.19.19 | 1540 | 3            | X       |     |         |
| MW-52-081919   | GRAB      | GW       | 26    | 8.19.19 | 1535 | 3            | X       |     |         |
|                |           | GW       |       |         |      |              |         |     |         |
|                |           | GW       |       |         |      |              |         |     |         |
|                |           | GW       |       |         |      |              |         |     |         |
|                |           | GW       |       |         |      |              |         |     |         |
|                |           | GW       |       |         |      |              |         |     |         |

SDG # 1130819  
Table #  
Acctnum: KINCH2MGA  
Template: T131319  
Prelogin: P724307  
PM: 526 - Chris McCord  
PB: 8-13-19  
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, 1,2-DCA.

pH \_\_\_\_\_ Temp \_\_\_\_\_  
Flow \_\_\_\_\_ Other \_\_\_\_\_

| Sample Receipt Checklist         |   |
|----------------------------------|---|
| COC Seal Present/Intact:         | NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| COC Signed/Accurate:             | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| Bottles arrive intact:           | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| Correct bottles used:            | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| Sufficient volume sent:          | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| If Applicable                    |   |
| VOA Zero Headspace:              | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| Preservation Correct/Checked:    | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| RAD Screen <0.5 mR/hr:           | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N    |
| <b>RAD SCREEN: &lt;0.5 mR/hr</b> |   |

Samples returned via:  UPS  FedEx  Courier  
Tracking # 108259988129

|  |               |            |   |  |                      |  |
|--|---------------|------------|---|--|----------------------|--|
| Relinquished by: (Signature)<br>Bethany Garvey | Date: 8.19.19 | Time: 1715 | Received by: (Signature)                              | Trip Blank Received: Yes/No<br>HCL / MeOH<br>TBR | Bottles Received: 30 | If preservation required by Login: Date/Time |
| Relinquished by: (Signature)                   | Date:         | Time:      | Received by: (Signature)                              | Temp: °C<br>-370 = 342                           |                      |  |
| Relinquished by: (Signature)                   | Date:         | Time:      | Received for lab by: (Signature)<br>K. P. [Signature] | Date: 8/20                                       | Time: 0830           | Hold: Condition: NCF / OK                    |

August 29, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

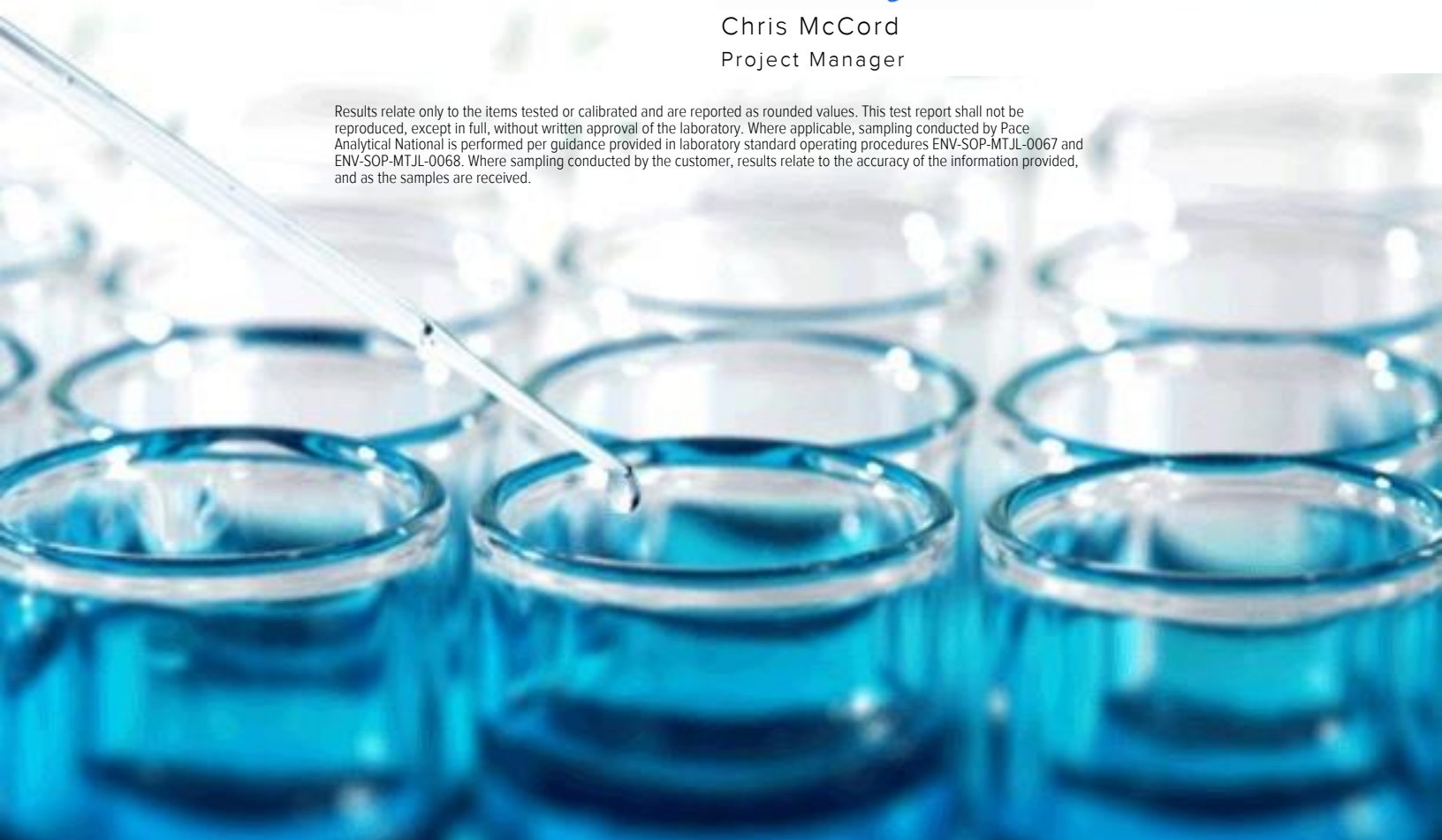
Sample Delivery Group: L1131208  
Samples Received: 08/21/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Entire Report Reviewed By:












Chris McCord  
Project Manager

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|  |           |   |
|--|-----------|---|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |   |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>4</b>  |   |
| <b>Sr: Sample Results</b>                          | <b>5</b>  |  |
| MW-37-082019 L1131208-01                           | <b>5</b>  |   |
| MW-38-082019 L1131208-02                           | <b>6</b>  |  |
| MW-07-082019 L1131208-03                           | <b>7</b>  |  |
| FB02-082019 L1131208-04                            | <b>8</b>  |   |
| TB02-082019 L1131208-05                            | <b>9</b>  |  |
| MW-07-D-082019 L1131208-06                         | <b>10</b> |   |
| MW-20-082019 L1131208-07                           | <b>11</b> |  |
| <b>Qc: Quality Control Summary</b>                 | <b>12</b> |  |
| Wet Chemistry by Method 9056A                      | <b>12</b> |   |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>14</b> |  |
| <b>Gl: Glossary of Terms</b>                       | <b>16</b> |   |
| <b>Al: Accreditations &amp; Locations</b>          | <b>17</b> |   |
| <b>Sc: Sample Chain of Custody</b>                 | <b>18</b> |   |

# SAMPLE SUMMARY



## MW-37-082019 L1131208-01 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 09:40  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 11:20        | 08/22/19 11:20     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 1        | 08/25/19 12:11        | 08/25/19 12:11     | ZJM     | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## MW-38-082019 L1131208-02 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 11:15  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 11:53        | 08/22/19 11:53     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 10       | 08/25/19 12:30        | 08/25/19 12:30     | ZJM     | Mt. Juliet, TN |

## MW-07-082019 L1131208-03 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 15:15  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 50       | 08/25/19 12:49        | 08/25/19 12:49     | ZJM     | Mt. Juliet, TN |

## FBO2-082019 L1131208-04 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 16:45  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 1        | 08/25/19 13:08        | 08/25/19 13:08     | ZJM     | Mt. Juliet, TN |

## TBO2-082019 L1131208-05 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 00:00  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 1        | 08/25/19 13:28        | 08/25/19 13:28     | ZJM     | Mt. Juliet, TN |

## MW-07-D-082019 L1131208-06 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 15:15  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 1        | 08/25/19 13:47        | 08/25/19 13:47     | ZJM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336147 | 100      | 08/28/19 15:26        | 08/28/19 15:26     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336147 | 20       | 08/28/19 14:04        | 08/28/19 14:04     | JHH     | Mt. Juliet, TN |

## MW-20-082019 L1131208-07 GW

Collected by: Bethany Garvey  
 Collected date/time: 08/20/19 13:00  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334466 | 100      | 08/25/19 14:06        | 08/25/19 14:06     | ZJM     | 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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 11:20     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 99.1   |           | 80.0-120 |          | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 99.4   |           | 77.0-126 |          | 08/25/2019 12:11     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 117    |           | 70.0-130 |          | 08/25/2019 12:11     | <a href="#">WG1334466</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 11:53     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1030   |           | 10.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| Total Xylenes             | 279    |           | 30.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | 116    |           | 10.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 08/25/2019 12:30     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 116    |           | 70.0-130 |          | 08/25/2019 12:30     | <a href="#">WG1334466</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 2120   |           | 50.0     | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| Toluene                   | 4750   |           | 50.0     | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| Ethylbenzene              | 340    |           | 50.0     | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| Total Xylenes             | 3650   |           | 150      | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | ND     |           | 50.0     | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 250      | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 50.0     | 50       | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 99.3   |           | 80.0-120 |          | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 08/25/2019 12:49     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 116    |           | 70.0-130 |          | 08/25/2019 12:49     | <a href="#">WG1334466</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 100    |           | 80.0-120 |          | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 08/25/2019 13:08     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 117    |           | 70.0-130 |          | 08/25/2019 13:08     | <a href="#">WG1334466</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 99.9   |           | 80.0-120 |          | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 08/25/2019 13:28     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 118    |           | 70.0-130 |          | 08/25/2019 13:28     | <a href="#">WG1334466</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 2050           |           | 20.0        | 20       | 08/28/2019 14:04        | <a href="#">WG1336147</a> |
| Toluene                   | 5720           |           | 100         | 100      | 08/28/2019 15:26        | <a href="#">WG1336147</a> |
| Ethylbenzene              | 416            |           | 20.0        | 20       | 08/28/2019 14:04        | <a href="#">WG1336147</a> |
| Total Xylenes             | 4280           |           | 60.0        | 20       | 08/28/2019 14:04        | <a href="#">WG1336147</a> |
| Methyl tert-butyl ether   | ND             |           | 1.00        | 1        | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| Naphthalene               | 34.5           |           | 5.00        | 1        | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND             |           | 1.00        | 1        | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 95.0           |           | 80.0-120    |          | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 117            |           | 80.0-120    |          | 08/28/2019 14:04        | <a href="#">WG1336147</a> |
| (S) Toluene-d8            | 115            |           | 80.0-120    |          | 08/28/2019 15:26        | <a href="#">WG1336147</a> |
| (S) 4-Bromofluorobenzene  | 106            |           | 77.0-126    |          | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 99.6           |           | 77.0-126    |          | 08/28/2019 14:04        | <a href="#">WG1336147</a> |
| (S) 4-Bromofluorobenzene  | 100            |           | 77.0-126    |          | 08/28/2019 15:26        | <a href="#">WG1336147</a> |
| (S) 1,2-Dichloroethane-d4 | 132            | <u>J1</u> | 70.0-130    |          | 08/25/2019 13:47        | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 78.4           |           | 70.0-130    |          | 08/28/2019 15:26        | <a href="#">WG1336147</a> |
| (S) 1,2-Dichloroethane-d4 | 81.7           |           | 70.0-130    |          | 08/28/2019 14:04        | <a href="#">WG1336147</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 7920   |           | 100      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| Toluene                   | 15900  |           | 100      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| Ethylbenzene              | 1160   |           | 100      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| Total Xylenes             | 10300  |           | 300      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| Methyl tert-butyl ether   | 238    |           | 100      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| Naphthalene               | ND     |           | 500      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| 1,2-Dichloroethane        | ND     |           | 100      | 100      | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| (S) Toluene-d8            | 100    |           | 80.0-120 |          | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 08/25/2019 14:06     | <a href="#">WG1334466</a> |
| (S) 1,2-Dichloroethane-d4 | 112    |           | 70.0-130 |          | 08/25/2019 14:06     | <a href="#">WG1334466</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3443434-1 08/22/19 08:27

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1131208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1131208-01 08/22/19 11:20 • (DUP) R3443434-3 08/22/19 11:37

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 730        | 1        | 0.000   |               | 15             |

L1131383-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1131383-04 08/22/19 18:43 • (DUP) R3443434-10 08/22/19 19:00

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 1870000         | 1870000    | 1        | 0.0774  | E             | 15             |

Laboratory Control Sample (LCS)

(LCS) R3443434-2 08/22/19 08:44

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39200      | 98.0     | 80.0-120    |               |

L1131379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131379-02 08/22/19 14:21 • (MS) R3443434-4 08/22/19 14:37 • (MSD) R3443434-5 08/22/19 14:54

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | 20700           | 71400     | 70800      | 101     | 100      | 1        | 80.0-120    |              |               | 0.859 | 15         |

L1131379-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131379-04 08/22/19 15:26 • (MS) R3443434-6 08/22/19 15:43 • (MSD) R3443434-7 08/22/19 15:59

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD    | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|--------|------------|
| Sulfate | 50000        | 176000          | 221000    | 221000     | 89.9    | 90.2     | 1        | 80.0-120    | E            | E             | 0.0595 | 15         |



L1131383-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131383-03 08/22/19 17:54 • (MS) R3443434-8 08/22/19 18:11 • (MSD) R3443434-9 08/22/19 18:27

| Analyte | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Sulfate | 50000                | 1860000                 | 1850000           | 1850000            | 0.000        | 0.000         | 1        | 80.0-120         | <u>EV</u>    | <u>EV</u>     | 0.0663   | 15              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





Method Blank (MB)

(MB) R3444779-3 08/25/19 08:43

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/l      |              | ug/l   | ug/l     |
| Benzene                          | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane               | U         |              | 0.361  | 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     |
| <i>(S) Toluene-d8</i>            | 98.2      |              |        | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i>  | 103       |              |        | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 121       |              |        | 70.0-130 |

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

(LCS) R3444779-1 08/25/19 04:32 • (LCSD) R3444779-2 08/25/19 04:52

| 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                          | 25.0         | 26.3       | 25.0        | 105      | 99.9      | 70.0-130    |               |                | 5.18  | 20         |
| 1,2-Dichloroethane               | 25.0         | 31.1       | 31.8        | 125      | 127       | 70.0-130    |               |                | 2.06  | 20         |
| Ethylbenzene                     | 25.0         | 27.2       | 27.0        | 109      | 108       | 70.0-130    |               |                | 0.511 | 20         |
| Methyl tert-butyl ether          | 25.0         | 29.4       | 27.1        | 118      | 108       | 70.0-130    |               |                | 8.20  | 20         |
| Naphthalene                      | 25.0         | 25.4       | 28.4        | 102      | 114       | 70.0-130    |               |                | 11.3  | 20         |
| Toluene                          | 25.0         | 26.3       | 26.1        | 105      | 104       | 70.0-130    |               |                | 0.801 | 20         |
| Xylenes, Total                   | 75.0         | 81.0       | 80.3        | 108      | 107       | 70.0-130    |               |                | 0.868 | 20         |
| <i>(S) Toluene-d8</i>            |              |            |             | 104      | 101       | 80.0-120    |               |                |       |            |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            |             | 106      | 105       | 77.0-126    |               |                |       |            |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            |             | 130      | 129       | 70.0-130    |               |                |       |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3445111-2 08/28/19 08:34

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| Ethylbenzene              | U         |              | 0.384  | 1.00     |
| Toluene                   | U         |              | 0.412  | 1.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 114       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 98.2      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 79.7      |              |        | 70.0-130 |

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

(LCS) R3445111-1 08/28/19 07:54 • (LCSD) R3445111-3 08/28/19 10:23

| 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                   | 25.0         | 23.3       | 20.2        | 93.1     | 81.0      | 70.0-130    |               |                | 13.9 | 20         |
| Ethylbenzene              | 25.0         | 29.8       | 25.5        | 119      | 102       | 70.0-130    |               |                | 15.4 | 20         |
| Toluene                   | 25.0         | 26.7       | 23.0        | 107      | 92.0      | 70.0-130    |               |                | 15.0 | 20         |
| Xylenes, Total            | 75.0         | 85.5       | 73.1        | 114      | 97.5      | 70.0-130    |               |                | 15.6 | 20         |
| (S) Toluene-d8            |              |            |             | 115      | 113       | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 102      | 98.3      | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 84.0     | 83.2      | 70.0-130    |               |                |      |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

| Qualifier | Description   |
|-----------|---|
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| 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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

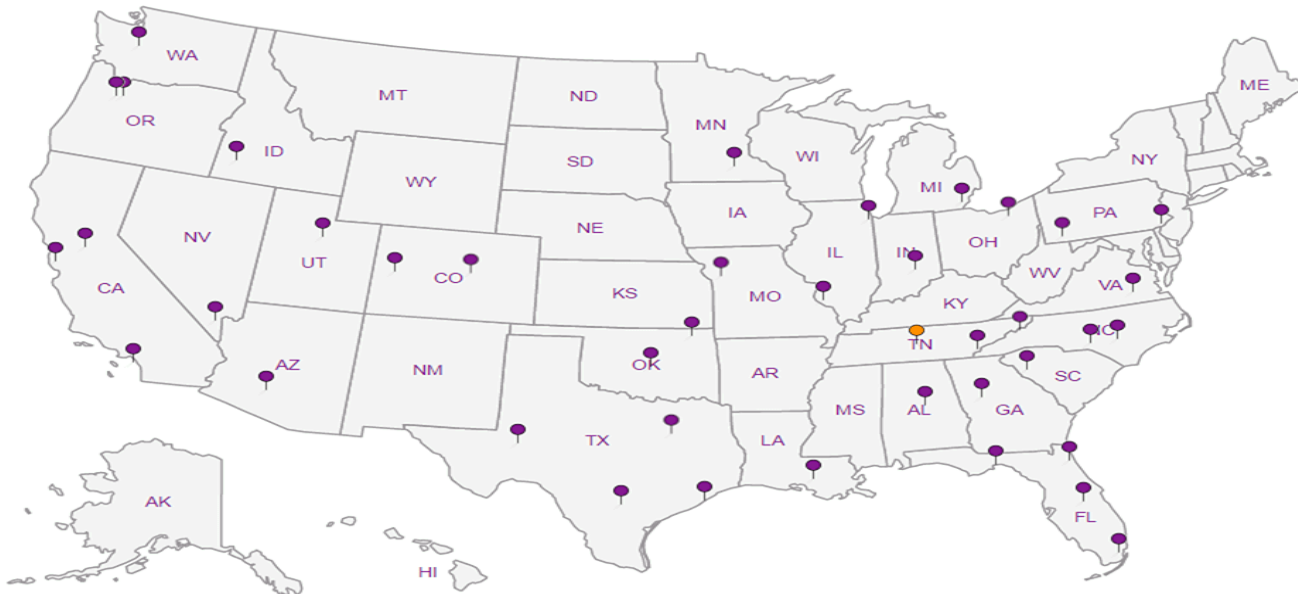
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

**Kinder Morgan- Atlanta, GA**  
 6600 Peachtree Dunwoody Road  
 400 Embassy Row - Suite 500  
 Atlanta GA 30328

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: **Bolton, SC**

Please Circle:  
 PT MT CT ET

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

Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS12**

Collected by (print):  
**Bethany Garvey**

Site/Facility ID #  
**Lewis Drive**

P.O. #

Collected by (signature):  
*Bethany Garvey*

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

Immediately  
 Packed on Ice N    Y X

| Sample ID       | Comp/Grab | Matrix * | Depth | Date    | Time | Cntrs | Analysis / Container / Preservative |   |   |
|-----------------|-----------|----------|-------|---------|------|-------|-------------------------------------|---|---|
| MW-37-082019    | Grab      | GW       | 12    | 8/20/19 | 0940 | 4     | X                                   | X |   |
| MW-38-082019    | Grab      | GW       | 7     |         | 1115 | 4     | X                                   | X |   |
| MW-39-082019    | Grab      | GW       | 13    |         | 1515 | 4     | X                                   | X |   |
| FB02-082019     | Grab      | GW       |       |         | 1645 | 3     |                                     | X |   |
| TB02-082019     | Grab      | GW       |       |         |      | 1     |                                     |   | X |
| MW-07-082019-FD | Grab      | GW       | 13    | 8/20/19 | 1515 | 3     |                                     | X |   |
| MW-20-082019    | Grab      | GW       | 15    | 8/20/19 | 1300 | 3     |                                     | X |   |

Chain of Custody Page 1 of 1



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



SDG # **1131208**  
**A203**  
 Acctnum: **KINCH2MGA**  
 Template: **T131319**  
 Prelogin: **P724307**  
 PM: **526 - Chris McCord**  
 PB: **8-13-19**  
 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, 1,2-DCA.**

Sample Receipt Checklist

|                               |  |
|-------------------------------|--|
| COC Seal Present/Intact: NP   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| COC Signed/Accurate:          | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Bottles arrive intact:        | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Correct bottles used:         | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Sufficient volume sent:       | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| If Applicable                 |  |
| VOA Zero Headspace:           | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Preservation Correct/Checked: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| RAD Screen <0.5 mR/hr:        | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |

Samples returned via:    UPS    FedEx X Courier    Tracking # **108259988092**

Relinquished by: (Signature)  
*Bethany Garvey*  
 Relinquished by: (Signature)  
 Relinquished by: (Signature)

Date: **8/20/19**  
 Time: **1800**

Received by: (Signature)  
 Received by: (Signature)  
 Received for lab by: (Signature)  
*[Signature]*

Trip Blank Received:  Yes  No  
 HCL / MeOH  
 TBR  
 Temp: **13.0°C**  
**1.5 + .3 = 1.8**  
 Bottles Received: **21**  
 Date: **08/21** Time: **0845**

If preservation required by Login: Date/Time  
 Hold:  
 Condition:  
**NCF 10**

August 30, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1131900  
Samples Received: 08/22/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

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.



|  |           |                |
|--|-----------|----------------|
| <b>Cp: Cover Page</b>                              | <b>1</b>  | <b>1</b><br>Cp |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |                |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  | <b>2</b><br>Tc |
| <b>Cn: Case Narrative</b>                          | <b>4</b>  |                |
| <b>Sr: Sample Results</b>                          | <b>5</b>  | <b>3</b><br>Ss |
| MW-46-082119 L1131900-01                           | <b>5</b>  |                |
| MW-57-082119 L1131900-02                           | <b>6</b>  | <b>4</b><br>Cn |
| MW-57-D-082119 L1131900-03                         | <b>7</b>  | <b>5</b><br>Sr |
| MW-23-082119 L1131900-04                           | <b>8</b>  |                |
| MW-56-082119 L1131900-05                           | <b>9</b>  | <b>6</b><br>Qc |
| FB03-082119 L1131900-06                            | <b>10</b> |                |
| MW-40-082119 L1131900-07                           | <b>11</b> | <b>7</b><br>Gl |
| TB03-082119 L1131900-08                            | <b>12</b> | <b>8</b><br>Al |
| <b>Qc: Quality Control Summary</b>                 | <b>13</b> |                |
| Wet Chemistry by Method 9056A                      | <b>13</b> | <b>9</b><br>Sc |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>14</b> |                |
| <b>Gl: Glossary of Terms</b>                       | <b>15</b> |                |
| <b>Al: Accreditations &amp; Locations</b>          | <b>16</b> |                |
| <b>Sc: Sample Chain of Custody</b>                 | <b>17</b> |                |

# SAMPLE SUMMARY



## MW-46-082119 L1131900-01 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1333681 | 1        | 08/23/19 14:32        | 08/23/19 14:32     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 25       | 08/29/19 16:17        | 08/29/19 16:17     | BMB     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 09:50  
 Received date/time 08/22/19 08:45

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## MW-57-082119 L1131900-02 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1333681 | 10       | 08/25/19 13:07        | 08/25/19 13:07     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 10       | 08/29/19 15:55        | 08/29/19 15:55     | BMB     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 10:20  
 Received date/time 08/22/19 08:45

## MW-57-D-082119 L1131900-03 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 10       | 08/29/19 15:33        | 08/29/19 15:33     | BMB     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 10:20  
 Received date/time 08/22/19 08:45

## MW-23-082119 L1131900-04 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 10       | 08/29/19 15:10        | 08/29/19 15:10     | BMB     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 11:45  
 Received date/time 08/22/19 08:45

## MW-56-082119 L1131900-05 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1333681 | 1        | 08/23/19 16:11        | 08/23/19 16:11     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 10       | 08/29/19 14:26        | 08/29/19 14:26     | JHH     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 12:00  
 Received date/time 08/22/19 08:45

## FB03-082119 L1131900-06 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 1        | 08/29/19 14:03        | 08/29/19 14:03     | JHH     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 11:30  
 Received date/time 08/22/19 08:45

## MW-40-082119 L1131900-07 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 1        | 08/29/19 13:41        | 08/29/19 13:41     | JHH     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 16:10  
 Received date/time 08/22/19 08:45

## TB03-082119 L1131900-08 GW

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1336967 | 1        | 08/29/19 13:18        | 08/29/19 13:18     | JHH     | Mt. Juliet, TN |

Collected by BG/MW  
 Collected date/time 08/21/19 00:00  
 Received date/time 08/22/19 08:45





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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/23/2019 14:32     | <a href="#">WG1333681</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 874    |           | 25.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 25.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 25.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| Total Xylenes             | 226    |           | 75.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | 191    |           | 25.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 125      | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 25.0     | 25       | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 97.6   |           | 80.0-120 |          | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 97.6   |           | 77.0-126 |          | 08/29/2019 16:17     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 99.6   |           | 70.0-130 |          | 08/29/2019 16:17     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|-------|----------|----------------------|---------------------------|
| Sulfate | 273000 |           | 50000 | 10       | 08/25/2019 13:07     | <a href="#">WG1333681</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 584    |           | 10.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| Total Xylenes             | 76.2   |           | 30.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | 183    |           | 10.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 95.3   |           | 80.0-120 |          | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 91.0   |           | 77.0-126 |          | 08/29/2019 15:55     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 97.8   |           | 70.0-130 |          | 08/29/2019 15:55     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 631    |           | 10.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| Total Xylenes             | 95.2   |           | 30.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | 168    |           | 10.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 96.7   |           | 80.0-120 |          | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 95.9   |           | 77.0-126 |          | 08/29/2019 15:33     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 100    |           | 70.0-130 |          | 08/29/2019 15:33     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1860   |           | 10.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| Toluene                   | 507    |           | 10.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| Ethylbenzene              | 82.8   |           | 10.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| Total Xylenes             | 1190   |           | 30.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | 88.7   |           | 10.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 94.2   |           | 80.0-120 |          | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 99.8   |           | 77.0-126 |          | 08/29/2019 15:10     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 97.7   |           | 70.0-130 |          | 08/29/2019 15:10     | <a href="#">WG1336967</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/23/2019 16:11     | <a href="#">WG1333681</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 391    |           | 10.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| Total Xylenes             | 91.1   |           | 30.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | 134    |           | 10.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 98.2   |           | 80.0-120 |          | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 96.9   |           | 77.0-126 |          | 08/29/2019 14:26     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 99.5   |           | 70.0-130 |          | 08/29/2019 14:26     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 96.2   |           | 80.0-120 |          | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 90.9   |           | 77.0-126 |          | 08/29/2019 14:03     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 101    |           | 70.0-130 |          | 08/29/2019 14:03     | <a href="#">WG1336967</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 2.56   |           | 1.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 99.3   |           | 80.0-120 |          | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 90.8   |           | 77.0-126 |          | 08/29/2019 13:41     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 94.4   |           | 70.0-130 |          | 08/29/2019 13:41     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| (S) Toluene-d8            | 95.6   |           | 80.0-120 |          | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| (S) 4-Bromofluorobenzene  | 93.5   |           | 77.0-126 |          | 08/29/2019 13:18     | <a href="#">WG1336967</a> |
| (S) 1,2-Dichloroethane-d4 | 104    |           | 70.0-130 |          | 08/29/2019 13:18     | <a href="#">WG1336967</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3443825-1 08/23/19 09:41

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1131886-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1131886-10 08/23/19 10:34 • (DUP) R3443825-3 08/23/19 10:44

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 655000          | 649000     | 10       | 0.845   |               | 15             |

L1131886-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1131886-19 08/23/19 13:06 • (DUP) R3443825-6 08/23/19 13:16

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 1340000         | 1030000    | 20       | 25.7    | J3            | 15             |

Laboratory Control Sample (LCS)

(LCS) R3443825-2 08/23/19 09:52

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39700      | 99.4     | 80.0-120    |               |

L1131886-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131886-13 08/23/19 11:17 • (MS) R3443825-4 08/23/19 11:28 • (MSD) R3443825-5 08/23/19 11:39

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | 3690            | 54600     | 54300      | 102     | 101      | 1        | 80.0-120    |              |               | 0.381 | 15         |

L1131886-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L1131886-22 08/23/19 13:49 • (MS) R3443825-7 08/23/19 14:00

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Sulfate | 50000        | 7950            | 18500     | 21.2    | 1        | 80.0-120    | J6           |



Method Blank (MB)

(MB) R3445595-3 08/29/19 12:34

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 97.4      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 96.4      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 101       |              |        | 70.0-130 |

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

(LCS) R3445595-1 08/29/19 09:23 • (LCSD) R3445595-2 08/29/19 10:24

| 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                   | 25.0         | 25.2       | 23.3        | 101      | 93.2      | 70.0-130    |               |                | 7.84 | 20         |
| 1,2-Dichloroethane        | 25.0         | 23.6       | 23.1        | 94.5     | 92.5      | 70.0-130    |               |                | 2.04 | 20         |
| Ethylbenzene              | 25.0         | 28.4       | 26.7        | 114      | 107       | 70.0-130    |               |                | 6.03 | 20         |
| Methyl tert-butyl ether   | 25.0         | 25.1       | 24.8        | 100      | 99.0      | 70.0-130    |               |                | 1.35 | 20         |
| Naphthalene               | 25.0         | 30.8       | 29.9        | 123      | 120       | 70.0-130    |               |                | 3.02 | 20         |
| Toluene                   | 25.0         | 25.8       | 24.6        | 103      | 98.3      | 70.0-130    |               |                | 4.92 | 20         |
| Xylenes, Total            | 75.0         | 86.3       | 82.1        | 115      | 109       | 70.0-130    |               |                | 4.99 | 20         |
| (S) Toluene-d8            |              |            |             | 97.4     | 96.5      | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 102      | 101       | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 102      | 107       | 70.0-130    |               |                |      |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

| Qualifier | Description   |
|-----------|---|
| J3        | The associated batch QC was outside the established quality control range for precision.              |
| 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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

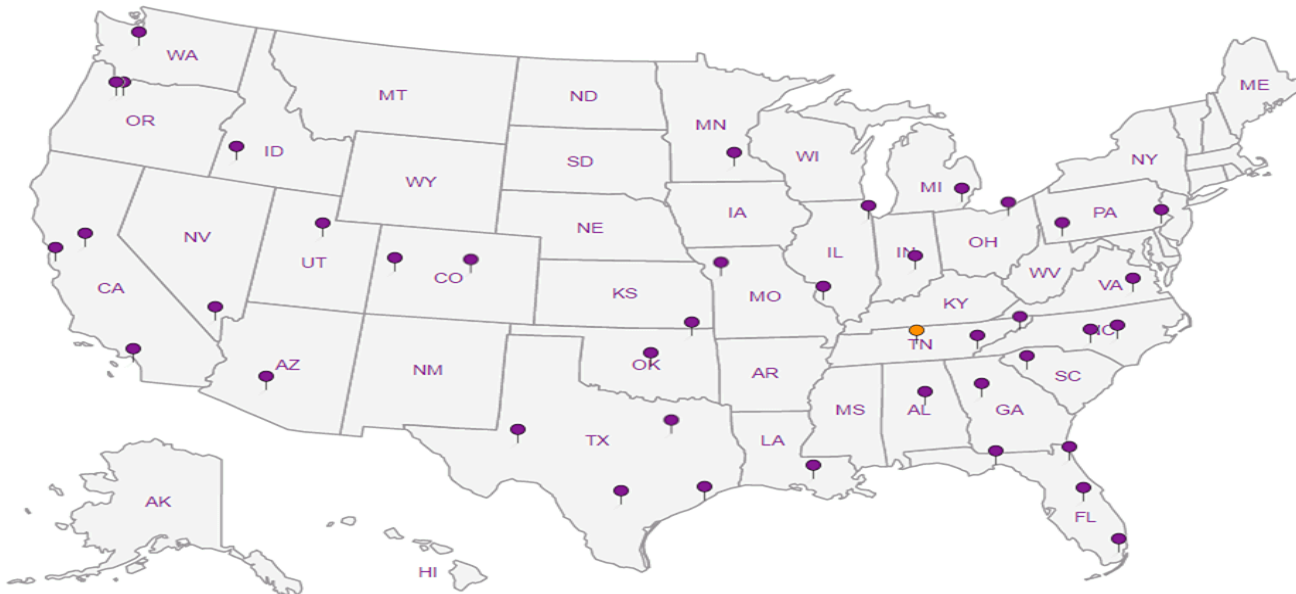
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

### Billing Information:

Attention: Celithia Ball  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

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

Project  
Description: **Lewis Drive Groundwater**

City/State  
Collected: **Belton, SC**

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

Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS120BC**

Collected by (print):  
*Bethany Garvey  
Melissa Warren*

Site/Facility ID #  
**Lewis Drive**

P.O. #

Collected by (signature):  
*Bethany Garvey*

**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

Immediately  
Packed on Ice N  Y

| Pres Chk | Analysis / Container / Preservative |                           |                                  |  |  |  |  |  |  |  | Chain of Custody Page 1 of 1 |   |
|----------|-------------------------------------|---------------------------|----------------------------------|--|--|--|--|--|--|--|------------------------------|---|
|          | 1                                   | HCl                       | HCl                              |  |  |  |  |  |  |  |                              |   |
|          | SULFATE 125mlHDPE-NoPres            | V8260BTEXMNSC 40mlAmb-HCl | V8260BTEXMNSC-TB 40mlAmb-HCl-Bik |  |  |  |  |  |  |  |                              | Pace Analytical®<br>National Center for Testing & Innovation<br><br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br><br>L# <b>L131900</b><br><b>B089</b><br>Acctnum: <b>KINCH2MGA</b><br>Template: <b>T153128</b><br>Prelogin: <b>P719933</b><br>TSR: <b>526 - Chris McCord</b><br>PB: <b>TB 7-16-19</b><br>Shipped Via: <b>FedEX Ground</b> |
|          |                                     |                           |                                  |  |  |  |  |  |  |  |                              |   |

| Sample ID      | Comp/Grab | Matrix * | Depth | Date    | Time | No. of Cntrs | 1 | HCl | HCl |  |  |  |  |  |  |  |  |  |  |  |     |     |
|----------------|-----------|----------|-------|---------|------|--------------|---|-----|-----|--|--|--|--|--|--|--|--|--|--|--|-----|-----|
| MW-46-082119   | Grab      | GW       | —     | 8-21-19 | 0950 | 4            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  | -01 |     |
| MW-57-082119   |           | GW       | 13    |         | 1020 | 4            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -02 |
| MW-57-D-082119 |           | GW       | 13    |         | 1020 | 3            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -03 |
| MW-23-082119   |           | GW       | —     |         | 1145 | 3            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -04 |
| MW-56-082119   |           | GW       | 13    |         | 1200 | 4            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -05 |
| FB#3-082119    |           | GW       | —     |         | 1130 | 3            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -06 |
| MW-40-082119   | Grab      | GW       | —     | 8-21-19 | 1610 | 3            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -07 |
|                |           | GW       |       |         |      | 4            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -08 |
|                |           | GW       |       |         |      | 4            | X | X   |     |  |  |  |  |  |  |  |  |  |  |  |     | -09 |
| TB#3-082119    | Grab      | GW       | —     | 8-21-19 | —    | 1            |   |     | X   |  |  |  |  |  |  |  |  |  |  |  |     | -10 |

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

Remarks: *look at historical results to determine dilutions potentially high results.*

| Sample Receipt Checklist  |  |
|---|--|
| COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |
| COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                 |  |
| Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                               |  |
| Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                |  |
| Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                              |  |
| If Applicable   |  |
| VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                  |  |
| Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                        |  |

Samples returned via:  
 UPS  FedEx  Courier

Tracking #

|   |                         |                      |                          |   |                        |                             |  |
|---|-------------------------|----------------------|--------------------------|---|------------------------|-----------------------------|--|
| Relinquished by: (Signature)<br><i>Bethany Garvey</i> | Date:<br><b>8-21-19</b> | Time:<br><b>1730</b> | Received by: (Signature) | Trip Blank Received: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>HCL/MeOH<br>TBR | Temp: <b>36.0-36.5</b> | Bottles Received: <b>24</b> | If preservation required by Login: Date/Time             |
| Relinquished by: (Signature)                          | Date:                   | Time:                | Received by: (Signature) | Date: <b>8/22/19</b>  | Time: <b>8:45</b>      | Hold:                       | Condition:<br>NCF <input checked="" type="checkbox"/> OK |

September 03, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

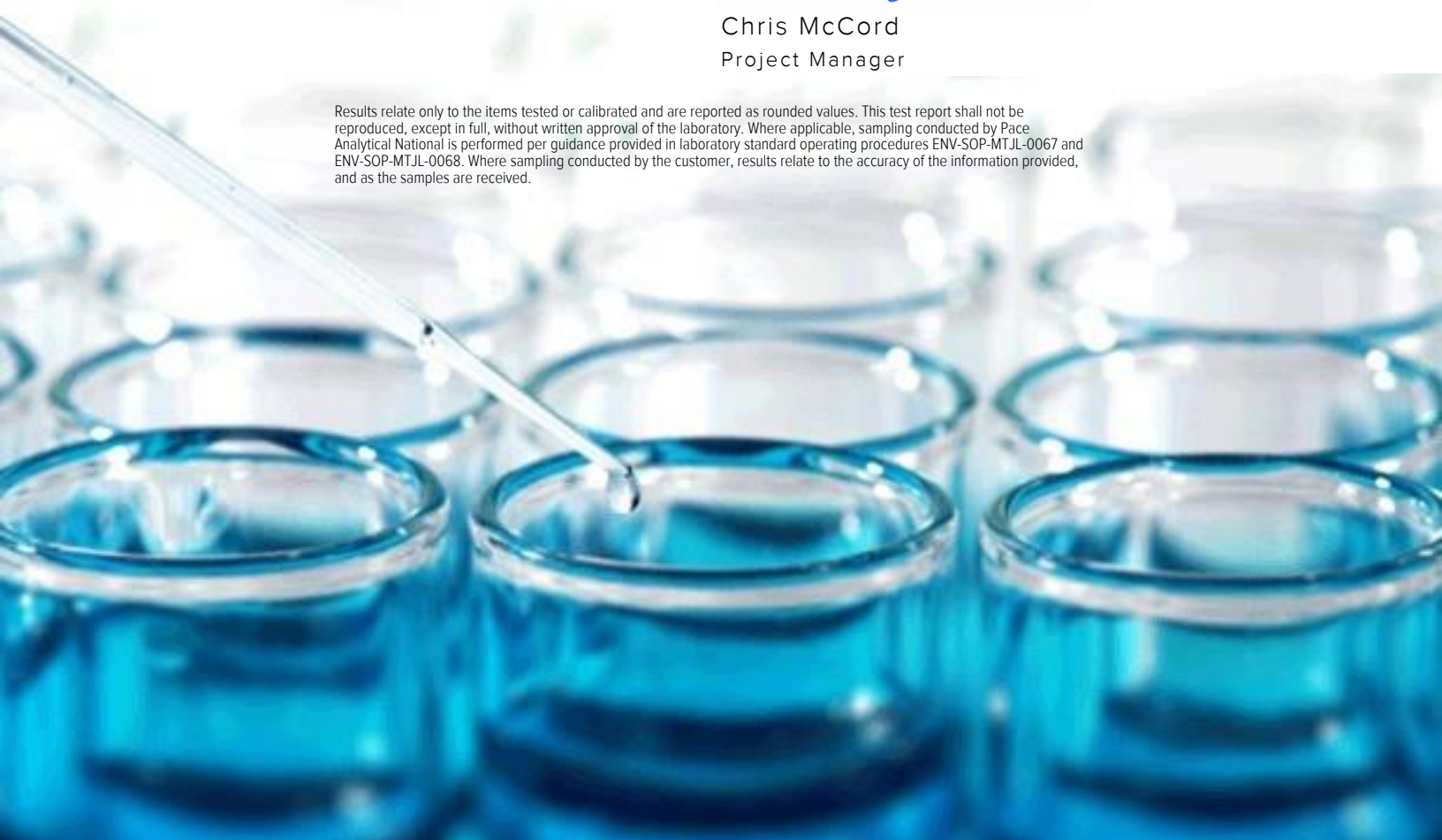
Sample Delivery Group: L1132163  
Samples Received: 08/23/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DR.  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

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.





|  |           |   |
|--|-----------|---|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |   |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>4</b>  |   |
| <b>Sr: Sample Results</b>                          | <b>5</b>  |  |
| MW-15B-082219 L1132163-01                          | <b>5</b>  |   |
| MW-34-082219 L1132163-02                           | <b>6</b>  |  |
| MW-12B-082219 L1132163-03                          | <b>7</b>  |   |
| FB04-082219 L1132163-04                            | <b>8</b>  |  |
| TB04-082219 L1132163-05                            | <b>9</b>  |   |
| MW-17B-082219 L1132163-06                          | <b>10</b> |   |
| <b>Qc: Quality Control Summary</b>                 | <b>11</b> |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>11</b> |   |
| <b>Gl: Glossary of Terms</b>                       | <b>14</b> |  |
| <b>Al: Accreditations &amp; Locations</b>          | <b>15</b> |  |
| <b>Sc: Sample Chain of Custody</b>                 | <b>16</b> |  |



# SAMPLE SUMMARY

## MW-15B-082219 L1132163-01 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 13:40  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 03:02        | 08/30/19 03:02     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337948 | 200      | 08/31/19 01:40        | 08/31/19 01:40     | ADM     | Mt. Juliet, TN |

- 1  
Cp
- 2  
Tc
- 3  
Ss
- 4  
Cn
- 5  
Sr
- 6  
Qc
- 7  
Gl
- 8  
Al
- 9  
Sc

## MW-34-082219 L1132163-02 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 10:00  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 03:22        | 08/30/19 03:22     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337948 | 5        | 08/31/19 02:02        | 08/31/19 02:02     | ADM     | Mt. Juliet, TN |

## MW-12B-082219 L1132163-03 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 15:10  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 03:42        | 08/30/19 03:42     | ADM     | Mt. Juliet, TN |

## FBO4-082219 L1132163-04 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 10:32  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 04:03        | 08/30/19 04:03     | ADM     | Mt. Juliet, TN |

## TB04-082219 L1132163-05 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 00:00  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 04:23        | 08/30/19 04:23     | ADM     | Mt. Juliet, TN |

## MW-17B-082219 L1132163-06 GW

Collected by  
Melissa Warren  
Collected date/time  
08/22/19 16:40  
Received date/time  
08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 5        | 08/30/19 04:43        | 08/30/19 04:43     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1338165 | 250      | 08/31/19 10:39        | 08/31/19 10:39     | 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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 2340           |           | 200         | 200      | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| Toluene                   | 3060           |           | 200         | 200      | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| Ethylbenzene              | ND             |           | 200         | 200      | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| Total Xylenes             | 1440           |           | 600         | 200      | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| Methyl tert-butyl ether   | 139            |           | 1.00        | 1        | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| Naphthalene               | 33.5           |           | 5.00        | 1        | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND             |           | 1.00        | 1        | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 101            |           | 80.0-120    |          | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 102            |           | 80.0-120    |          | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| (S) 4-Bromofluorobenzene  | 104            |           | 77.0-126    |          | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 96.7           |           | 77.0-126    |          | 08/31/2019 01:40        | <a href="#">WG1337948</a> |
| (S) 1,2-Dichloroethane-d4 | 102            |           | 70.0-130    |          | 08/30/2019 03:02        | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 124            |           | 70.0-130    |          | 08/31/2019 01:40        | <a href="#">WG1337948</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 102    |           | 1.00     | 1        | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| Toluene                   | ND     |           | 5.00     | 5        | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| Ethylbenzene              | ND     |           | 5.00     | 5        | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| Total Xylenes             | ND     |           | 15.0     | 5        | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| Methyl tert-butyl ether   | 207    |           | 5.00     | 5        | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| Naphthalene               | 5.05   |           | 5.00     | 1        | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 100    |           | 80.0-120 |          | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 93.2   |           | 77.0-126 |          | 08/31/2019 02:02     | <a href="#">WG1337948</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 08/30/2019 03:22     | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 125    |           | 70.0-130 |          | 08/31/2019 02:02     | <a href="#">WG1337948</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 27.0   |           | 1.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| Ethylbenzene              | 3.54   |           | 1.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| Naphthalene               | 5.94   |           | 5.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 99.7   |           | 80.0-120 |          | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 08/30/2019 03:42     | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 08/30/2019 03:42     | <a href="#">WG1337483</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 98.2   |           | 80.0-120 |          | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 97.0   |           | 77.0-126 |          | 08/30/2019 04:03     | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 103    |           | 70.0-130 |          | 08/30/2019 04:03     | <a href="#">WG1337483</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 99.1   |           | 77.0-126 |          | 08/30/2019 04:23     | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 08/30/2019 04:23     | <a href="#">WG1337483</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 7700           |           | 250         | 250      | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| Toluene                   | 17600          |           | 250         | 250      | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| Ethylbenzene              | 1570           |           | 250         | 250      | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| Total Xylenes             | 9110           |           | 750         | 250      | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| Methyl tert-butyl ether   | 335            |           | 5.00        | 5        | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| Naphthalene               | 201            |           | 25.0        | 5        | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| 1,2-Dichloroethane        | ND             |           | 5.00        | 5        | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 101            |           | 80.0-120    |          | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 104            |           | 80.0-120    |          | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| (S) 4-Bromofluorobenzene  | 102            |           | 77.0-126    |          | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 99.2           |           | 77.0-126    |          | 08/31/2019 10:39        | <a href="#">WG1338165</a> |
| (S) 1,2-Dichloroethane-d4 | 102            |           | 70.0-130    |          | 08/30/2019 04:43        | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 102            |           | 70.0-130    |          | 08/31/2019 10:39        | <a href="#">WG1338165</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Method Blank (MB)

(MB) R3446071-2 08/29/19 23:23

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 100       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 101       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 106       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3446071-1 08/29/19 22:42

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 21.3       | 85.2     | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 24.1       | 96.5     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 21.1       | 84.4     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 25.4       | 102      | 70.0-130    |               |
| Naphthalene               | 25.0         | 20.2       | 80.7     | 70.0-130    |               |
| Toluene                   | 25.0         | 20.4       | 81.5     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 65.9       | 87.9     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 101      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 99.9     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 113      | 70.0-130    |               |



Method Blank (MB)

(MB) R3446210-2 08/30/19 20:00

| Analyte                   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.331          | 1.00           |
| Ethylbenzene              | U                 |              | 0.384          | 1.00           |
| Methyl tert-butyl ether   | U                 |              | 0.367          | 1.00           |
| Toluene                   | U                 |              | 0.412          | 1.00           |
| Xylenes, Total            | U                 |              | 1.06           | 3.00           |
| (S) Toluene-d8            | 103               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 93.3              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 120               |              |                | 70.0-130       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

Laboratory Control Sample (LCS)

(LCS) R3446210-1 08/30/19 19:18

| Analyte                   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene                   | 25.0                 | 24.5               | 98.1          | 70.0-130         |               |
| Ethylbenzene              | 25.0                 | 24.2               | 96.7          | 70.0-130         |               |
| Methyl tert-butyl ether   | 25.0                 | 26.5               | 106           | 70.0-130         |               |
| Toluene                   | 25.0                 | 24.2               | 96.8          | 70.0-130         |               |
| Xylenes, Total            | 75.0                 | 71.7               | 95.6          | 70.0-130         |               |
| (S) Toluene-d8            |                      |                    | 102           | 80.0-120         |               |
| (S) 4-Bromofluorobenzene  |                      |                    | 97.1          | 77.0-126         |               |
| (S) 1,2-Dichloroethane-d4 |                      |                    | 119           | 70.0-130         |               |

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3446337-2 08/31/19 03:12

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| Ethylbenzene              | U         |              | 0.384  | 1.00     |
| Toluene                   | U         |              | 0.412  | 1.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 104       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 98.1      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 102       |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3446337-1 08/31/19 02:31

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 23.5       | 94.1     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 23.8       | 95.0     | 70.0-130    |               |
| Toluene                   | 25.0         | 23.0       | 92.2     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 73.1       | 97.5     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 103      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 101      | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 109      | 70.0-130    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

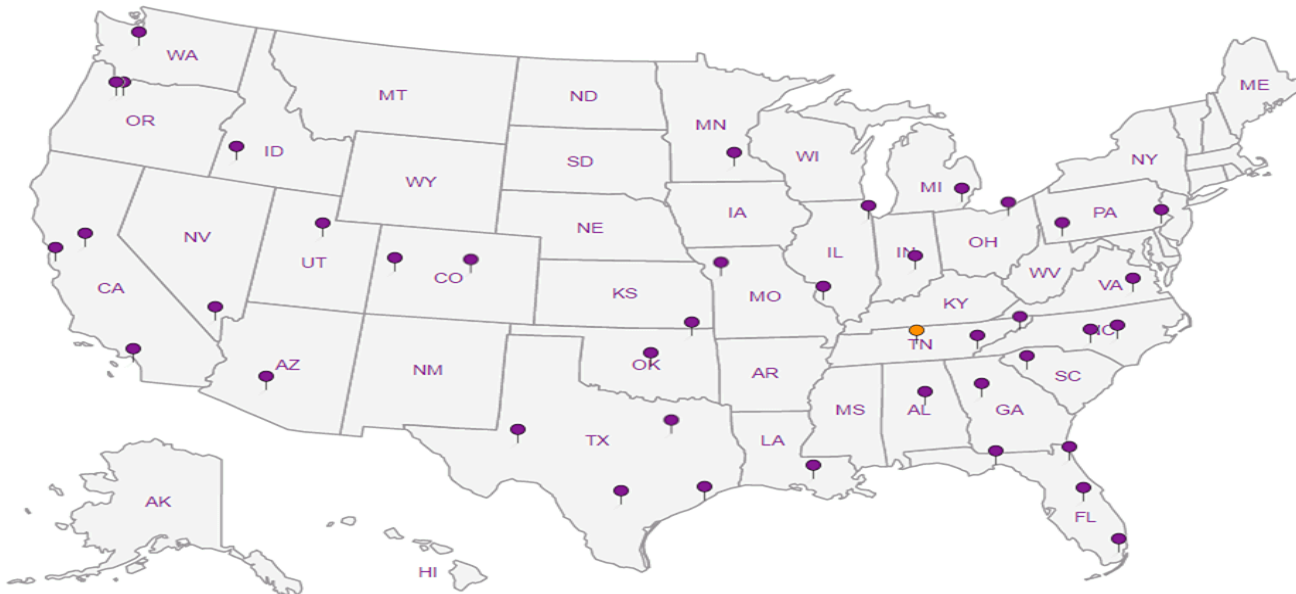
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

### Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

Project  
Description: **Lewis Drive Groundwater**

City/State  
Collected: **Beltan, SC**

Please Circle:  
PT MT CT ET

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

Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS12**

Collected by (print):  
**Melissa Warren**

Site/Facility ID #  
**Lewis Dr.**

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Same Day     Five Day  
 Next Day     5 Day (Rad Only)  
 Two Day     10 Day (Rad Only)  
 Three Day

Date Results Needed

Im mediately  
Packed on Ice N  Y

No.  
of  
Cntrs

| Sample ID     | Comp/Grab | Matrix * | Depth | Date    | Time | No. of Cntrs |
|---------------|-----------|----------|-------|---------|------|--------------|
| MW-15B-082219 | Grab      | GW       |       | 8.22.19 | 1340 | 3            |
| MW-34-082219  |           | GW       | -     |         | 1000 | 3            |
| MW-12B-082219 |           | GW       |       |         | 1510 | 3            |
| FB04-082219   |           | GW       | -     |         | 1032 | 3            |
| TB04-082219   |           | GW       | -     |         | -    | 1            |
| MW-17B-082219 |           | GW       |       |         | 1640 | 3            |
|               |           | GW       |       |         |      |              |
|               |           | GW       |       |         |      |              |
|               |           | GW       |       |         |      |              |
|               |           | GW       |       |         |      |              |

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

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

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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **A38F °C**

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:  
NCF 1 OK

### Analysis / Container / Preservative

Pres  
Chk

HCl

SULFATE 125mIHDPE-NoPres

V8260BTEXMNSC 40mIAmb-HCl

V8260BTEXMNSC-TB 40mIAmb-HCl-Bik

Chain of Custody Page 1 of 1



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



SDG # **132163**

**A056**

Acctnum: **KINCH2MGA**

Template: **T131319**

Prelogin: **P724307**

PM: **526 - Chris McCord**

PB: **8-13-196m**

Shipped Via: **FedEX Ground**

Remarks    Sample # (lab only)

- 1  
 - 2  
 - 3  
 - 4  
 - 5  
 - 6

*Handwritten signature*

**08/23**

**8:45**

September 26, 2019

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1140693  
Samples Received: 09/18/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Entire Report Reviewed By:



Jason Romer  
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.





|  |           |   |
|--|-----------|---|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |   |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>6</b>  |   |
| <b>Sr: Sample Results</b>                          | <b>7</b>  |  |
| FB01-091719 L1140693-01                            | 7         |   |
| MW-45-091719 L1140693-02                           | 8         |  |
| MW-46-091719 L1140693-03                           | 9         |  |
| MW-57-091719 L1140693-04                           | 10        |   |
| MW-57-D-091719 L1140693-05                         | 11        |  |
| MW-56-091719 L1140693-06                           | 12        |   |
| MW-43B-091719 L1140693-07                          | 13        |  |
| MW-43-091719 L1140693-08                           | 14        |  |
| MW-24-091719 L1140693-09                           | 15        |   |
| MW-24B-091719 L1140693-10                          | 16        |  |
| MW-28-091719 L1140693-11                           | 17        |   |
| MW-49-091719 L1140693-12                           | 18        |   |
| MW-35-091719 L1140693-13                           | 19        |   |
| TB01-091719 L1140693-14                            | 20        |   |
| MW-37-091719 L1140693-15                           | 21        |   |
| MW-38-091719 L1140693-16                           | 22        |   |
| <b>Qc: Quality Control Summary</b>                 | <b>23</b> |   |
| Wet Chemistry by Method 9056A                      | 23        |   |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 26        |   |
| <b>Gl: Glossary of Terms</b>                       | <b>30</b> |   |
| <b>Al: Accreditations &amp; Locations</b>          | <b>31</b> |   |
| <b>Sc: Sample Chain of Custody</b>                 | <b>32</b> |   |



# SAMPLE SUMMARY



## FBO1-091719 L1140693-01 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 08:00  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 09:24        | 09/22/19 09:24     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/24/19 23:36        | 09/24/19 23:36     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 14:26        | 09/25/19 14:26     | BMB     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## MW-45-091719 L1140693-02 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 09:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 09:44        | 09/22/19 09:44     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/24/19 23:56        | 09/24/19 23:56     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 14:46        | 09/25/19 14:46     | BMB     | Mt. Juliet, TN |

4 Cn

5 Sr

6 Qc

## MW-46-091719 L1140693-03 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 10:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1348252 | 1        | 09/19/19 08:45        | 09/19/19 08:45     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 25       | 09/22/19 10:05        | 09/22/19 10:05     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 25       | 09/25/19 00:16        | 09/25/19 00:16     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 25       | 09/25/19 15:06        | 09/25/19 15:06     | BMB     | Mt. Juliet, TN |

7 Gl

8 Al

9 Sc

## MW-57-091719 L1140693-04 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 10:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1348252 | 100      | 09/19/19 10:01        | 09/19/19 10:01     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 10       | 09/22/19 10:25        | 09/22/19 10:25     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 10       | 09/25/19 00:37        | 09/25/19 00:37     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 10       | 09/25/19 15:26        | 09/25/19 15:26     | BMB     | Mt. Juliet, TN |

## MW-57-D-091719 L1140693-05 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 10:55  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 10       | 09/22/19 10:45        | 09/22/19 10:45     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 10       | 09/25/19 00:57        | 09/25/19 00:57     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 10       | 09/25/19 15:46        | 09/25/19 15:46     | BMB     | Mt. Juliet, TN |

## MW-56-091719 L1140693-06 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 11:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1348948 | 1        | 09/20/19 02:22        | 09/20/19 02:22     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 16:06        | 09/25/19 16:06     | BMB     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW-43B-091719 L1140693-07 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 14:05  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 11:26        | 09/22/19 11:26     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/25/19 01:38        | 09/25/19 01:38     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 16:26        | 09/25/19 16:26     | BMB     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## MW-43-091719 L1140693-08 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 14:15  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 11:46        | 09/22/19 11:46     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/25/19 01:58        | 09/25/19 01:58     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 16:46        | 09/25/19 16:46     | BMB     | Mt. Juliet, TN |

4 Cn

5 Sr

6 Qc

## MW-24-091719 L1140693-09 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 14:40  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 12:06        | 09/22/19 12:06     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/25/19 02:18        | 09/25/19 02:18     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 17:06        | 09/25/19 17:06     | BMB     | Mt. Juliet, TN |

7 Gl

8 Al

9 Sc

## MW-24B-091719 L1140693-10 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 14:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350041 | 1        | 09/22/19 12:26        | 09/22/19 12:26     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351454 | 1        | 09/25/19 02:38        | 09/25/19 02:38     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351877 | 1        | 09/25/19 17:26        | 09/25/19 17:26     | BMB     | Mt. Juliet, TN |

## MW-28-091719 L1140693-11 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 15:30  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 1        | 09/22/19 06:07        | 09/22/19 06:07     | ACG     | Mt. Juliet, TN |

## MW-49-091719 L1140693-12 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 15:45  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 1        | 09/22/19 06:28        | 09/22/19 06:28     | ACG     | Mt. Juliet, TN |

## MW-35-091719 L1140693-13 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 16:00  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 1        | 09/22/19 06:49        | 09/22/19 06:49     | ACG     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## TB01-091719 L1140693-14 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 00:00  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 1        | 09/22/19 05:46        | 09/22/19 05:46     | ACG     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## MW-37-091719 L1140693-15 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 15:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1348948 | 1        | 09/20/19 02:52        | 09/20/19 02:52     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 1        | 09/22/19 07:10        | 09/22/19 07:10     | ACG     | Mt. Juliet, TN |

4 Cn

5 Sr

6 Qc

## MW-38-091719 L1140693-16 GW

Collected by: Melissa Warren  
 Collected date/time: 09/17/19 14:50  
 Received date/time: 09/18/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1348948 | 1        | 09/20/19 03:37        | 09/20/19 03:37     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350057 | 10       | 09/22/19 07:31        | 09/22/19 07:31     | ACG     | Mt. Juliet, TN |

7 Gl

8 Al

9 Sc



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.

Jason Romer  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 23:36     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 14:26     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 97.5   |           | 80.0-120 |          | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 97.8   |           | 80.0-120 |          | 09/24/2019 23:36     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 97.9   |           | 80.0-120 |          | 09/25/2019 14:26     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/24/2019 23:36     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 14:26     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 80.2   |           | 70.0-130 |          | 09/22/2019 09:24     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 78.3   |           | 70.0-130 |          | 09/24/2019 23:36     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 78.7   |           | 70.0-130 |          | 09/25/2019 14:26     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 5.24   |           | 1.00     | 1        | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | 103    |           | 1.00     | 1        | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 23:56     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 14:46     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 99.6   |           | 80.0-120 |          | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 100    |           | 80.0-120 |          | 09/24/2019 23:56     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 70.8   | <u>J2</u> | 80.0-120 |          | 09/25/2019 14:46     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/24/2019 23:56     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/25/2019 14:46     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 78.4   |           | 70.0-130 |          | 09/22/2019 09:44     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 77.2   |           | 70.0-130 |          | 09/24/2019 23:56     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 80.7   |           | 70.0-130 |          | 09/25/2019 14:46     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/19/2019 08:45     | <a href="#">WG1348252</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 705    |           | 25.0     | 25       | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| Toluene                   | 26.1   |           | 25.0     | 25       | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 25.0     | 25       | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| Total Xylenes             | 150    |           | 75.0     | 25       | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | 175    |           | 25.0     | 25       | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 125      | 25       | 09/25/2019 00:16     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 25.0     | 25       | 09/25/2019 15:06     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 98.4   |           | 80.0-120 |          | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/25/2019 00:16     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 98.3   |           | 80.0-120 |          | 09/25/2019 15:06     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/25/2019 00:16     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/25/2019 15:06     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 78.2   |           | 70.0-130 |          | 09/22/2019 10:05     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 77.4   |           | 70.0-130 |          | 09/25/2019 00:16     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 77.8   |           | 70.0-130 |          | 09/25/2019 15:06     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|--------|----------|----------------------|---------------------------|
| Sulfate | 576000 |           | 500000 | 100      | 09/19/2019 10:01     | <a href="#">WG1348252</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 71.8   |           | 10.0     | 10       | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 30.0     | 10       | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | 74.6   |           | 10.0     | 10       | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 09/25/2019 00:37     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/25/2019 15:26     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 97.6   |           | 80.0-120 |          | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 98.9   |           | 80.0-120 |          | 09/25/2019 00:37     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 98.8   |           | 80.0-120 |          | 09/25/2019 15:26     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 00:37     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 15:26     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 79.7   |           | 70.0-130 |          | 09/22/2019 10:25     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 77.9   |           | 70.0-130 |          | 09/25/2019 00:37     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 79.3   |           | 70.0-130 |          | 09/25/2019 15:26     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 144    |           | 10.0     | 10       | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 30.0     | 10       | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | 94.1   |           | 10.0     | 10       | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 09/25/2019 00:57     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/25/2019 15:46     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 96.4   |           | 80.0-120 |          | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 97.5   |           | 80.0-120 |          | 09/25/2019 00:57     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 89.0   |           | 80.0-120 |          | 09/25/2019 15:46     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/25/2019 00:57     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 114    |           | 77.0-126 |          | 09/25/2019 15:46     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 79.2   |           | 70.0-130 |          | 09/22/2019 10:45     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 77.4   |           | 70.0-130 |          | 09/25/2019 00:57     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 90.4   |           | 70.0-130 |          | 09/25/2019 15:46     | <a href="#">WG1351877</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 02:22     | <a href="#">WG1348948</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 30.1   |           | 1.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| Total Xylenes             | 8.51   |           | 3.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| Methyl tert-butyl ether   | 137    |           | 1.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 122    | J1        | 80.0-120 |          | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 16:06     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 83.0   |           | 70.0-130 |          | 09/25/2019 16:06     | <a href="#">WG1351877</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 01:38     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 16:26     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 99.9   |           | 80.0-120 |          | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 96.7   |           | 80.0-120 |          | 09/25/2019 01:38     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 98.2   |           | 80.0-120 |          | 09/25/2019 16:26     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/25/2019 01:38     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/25/2019 16:26     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 80.2   |           | 70.0-130 |          | 09/22/2019 11:26     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 78.5   |           | 70.0-130 |          | 09/25/2019 01:38     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 78.2   |           | 70.0-130 |          | 09/25/2019 16:26     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 01:58     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 16:46     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 98.5   |           | 80.0-120 |          | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 98.6   |           | 80.0-120 |          | 09/25/2019 01:58     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 118    |           | 80.0-120 |          | 09/25/2019 16:46     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 108    |           | 77.0-126 |          | 09/25/2019 01:58     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 98.1   |           | 77.0-126 |          | 09/25/2019 16:46     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 78.0   |           | 70.0-130 |          | 09/22/2019 11:46     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 78.6   |           | 70.0-130 |          | 09/25/2019 01:58     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 81.8   |           | 70.0-130 |          | 09/25/2019 16:46     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 02:18     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 17:06     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 98.1   |           | 80.0-120 |          | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 97.0   |           | 80.0-120 |          | 09/25/2019 02:18     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 99.4   |           | 80.0-120 |          | 09/25/2019 17:06     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/25/2019 02:18     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 17:06     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 79.8   |           | 70.0-130 |          | 09/22/2019 12:06     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 80.0   |           | 70.0-130 |          | 09/25/2019 02:18     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 78.9   |           | 70.0-130 |          | 09/25/2019 17:06     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 02:38     | <a href="#">WG1351454</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 17:26     | <a href="#">WG1351877</a> |
| (S) Toluene-d8            | 99.3   |           | 80.0-120 |          | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| (S) Toluene-d8            | 99.9   |           | 80.0-120 |          | 09/25/2019 02:38     | <a href="#">WG1351454</a> |
| (S) Toluene-d8            | 98.5   |           | 80.0-120 |          | 09/25/2019 17:26     | <a href="#">WG1351877</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/25/2019 02:38     | <a href="#">WG1351454</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/25/2019 17:26     | <a href="#">WG1351877</a> |
| (S) 1,2-Dichloroethane-d4 | 78.7   |           | 70.0-130 |          | 09/22/2019 12:26     | <a href="#">WG1350041</a> |
| (S) 1,2-Dichloroethane-d4 | 78.9   |           | 70.0-130 |          | 09/25/2019 02:38     | <a href="#">WG1351454</a> |
| (S) 1,2-Dichloroethane-d4 | 90.1   |           | 70.0-130 |          | 09/25/2019 17:26     | <a href="#">WG1351877</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.68   |           | 1.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/22/2019 06:07     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 09/22/2019 06:07     | <a href="#">WG1350057</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 09/22/2019 06:28     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 106    |           | 70.0-130 |          | 09/22/2019 06:28     | <a href="#">WG1350057</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 09/22/2019 06:49     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 09/22/2019 06:49     | <a href="#">WG1350057</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 09/22/2019 05:46     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 09/22/2019 05:46     | <a href="#">WG1350057</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 02:52     | <a href="#">WG1348948</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 09/22/2019 07:10     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 108    |           | 70.0-130 |          | 09/22/2019 07:10     | <a href="#">WG1350057</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | 6050   |           | 5000 | 1        | 09/20/2019 03:37     | <a href="#">WG1348948</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 40.2   |           | 10.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| Toluene                   | ND     |           | 10.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| Total Xylenes             | ND     |           | 30.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| Methyl tert-butyl ether   | 88.2   |           | 10.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 09/22/2019 07:31     | <a href="#">WG1350057</a> |
| (S) 1,2-Dichloroethane-d4 | 105    |           | 70.0-130 |          | 09/22/2019 07:31     | <a href="#">WG1350057</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3452465-1 09/19/19 01:42

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1140469-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1140469-01 09/19/19 03:30 • (DUP) R3452465-3 09/19/19 03:40

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 97800           | 96700      | 1        | 1.07    |               | 15             |

L1140693-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1140693-04 09/19/19 08:55 • (DUP) R3452465-6 09/19/19 09:06

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 3330000         | 3390000    | 1        | 1.76    | E             | 15             |

L1140693-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1140693-04 09/19/19 10:01 • (DUP) R3452465-8 09/19/19 10:11

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 576000          | 576000     | 100      | 0.0101  |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3452465-2 09/19/19 01:53

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 40900      | 102      | 80.0-120    |               |



L1140469-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1140469-01 09/19/19 03:30 • (MS) R3452465-4 09/19/19 03:51 • (MSD) R3452465-5 09/19/19 04:24

| Analyte | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits |
|---------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|------------|
| Sulfate | 50000                | 97800                   | 148000            | 148000             | 100          | 100           | 1        | 80.0-120         | <u>E</u>     | <u>E</u>      | 0.139    | 15         |

L1140693-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1140693-04 09/19/19 08:55 • (MS) R3452465-7 09/19/19 09:17

| Analyte | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier |
|---------|----------------------|-------------------------|-------------------|--------------|----------|------------------|--------------|
| Sulfate | 50000                | 3330000                 | 2790000           | 0.000        | 1        | 80.0-120         | <u>E V</u>   |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3452826-1 09/19/19 23:01

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1140693-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1140693-06 09/20/19 02:22 • (DUP) R3452826-3 09/20/19 02:37

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 95.5       | 1        | 0.000   |               | 15             |

L1140878-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1140878-01 09/20/19 08:05 • (DUP) R3452826-6 09/20/19 08:20

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 6940            | 6930       | 1        | 0.221   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3452826-2 09/19/19 23:16

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39100      | 97.7     | 80.0-120    |               |

L1140693-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1140693-15 09/20/19 02:52 • (MS) R3452826-4 09/20/19 03:07 • (MSD) R3452826-5 09/20/19 03:22

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | ND              | 46800     | 46900      | 93.1    | 93.4     | 1        | 80.0-120    |              |               | 0.314 | 15         |

L1140878-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1140878-01 09/20/19 08:05 • (MS) R3452826-7 09/20/19 08:35

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Sulfate | 50000        | 6940            | 57800     | 102     | 1        | 80.0-120    |              |



Method Blank (MB)

(MB) R3454107-3 09/22/19 05:42

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| Ethylbenzene              | U         |              | 0.384  | 1.00     |
| Methyl tert-butyl ether   | U         |              | 0.367  | 1.00     |
| Toluene                   | U         |              | 0.412  | 1.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 98.3      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 107       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 78.7      |              |        | 70.0-130 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

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

(LCS) R3454107-1 09/22/19 04:41 • (LCSD) R3454107-2 09/22/19 05:01

| 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                   | 25.0         | 23.5       | 23.9        | 93.9     | 95.5      | 70.0-130    |               |                | 1.70 | 20         |
| Ethylbenzene              | 25.0         | 24.1       | 25.0        | 96.4     | 100       | 70.0-130    |               |                | 3.71 | 20         |
| Methyl tert-butyl ether   | 25.0         | 21.6       | 21.2        | 86.3     | 84.6      | 70.0-130    |               |                | 1.92 | 20         |
| Toluene                   | 25.0         | 23.0       | 23.8        | 92.1     | 95.2      | 70.0-130    |               |                | 3.35 | 20         |
| Xylenes, Total            | 75.0         | 75.1       | 76.8        | 100      | 102       | 70.0-130    |               |                | 2.24 | 20         |
| (S) Toluene-d8            |              |            |             | 98.2     | 98.0      | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 106      | 108       | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 77.9     | 78.9      | 70.0-130    |               |                |      |            |





Method Blank (MB)

(MB) R3454072-3 09/22/19 05:26

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 104       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 101       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 106       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R3454072-1 09/22/19 04:23 • (LCSD) R3454072-2 09/22/19 04:44

| 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                   | 25.0         | 22.9       | 23.7        | 91.5     | 94.8      | 70.0-130    |               |                | 3.55 | 20         |
| 1,2-Dichloroethane        | 25.0         | 27.4       | 27.7        | 109      | 111       | 70.0-130    |               |                | 1.25 | 20         |
| Ethylbenzene              | 25.0         | 23.5       | 25.7        | 94.0     | 103       | 70.0-130    |               |                | 9.03 | 20         |
| Methyl tert-butyl ether   | 25.0         | 23.9       | 24.8        | 95.5     | 99.2      | 70.0-130    |               |                | 3.76 | 20         |
| Naphthalene               | 25.0         | 26.7       | 27.0        | 107      | 108       | 70.0-130    |               |                | 1.00 | 20         |
| Toluene                   | 25.0         | 22.2       | 24.5        | 88.9     | 98.2      | 70.0-130    |               |                | 9.87 | 20         |
| Xylenes, Total            | 75.0         | 71.6       | 78.3        | 95.5     | 104       | 70.0-130    |               |                | 8.94 | 20         |
| (S) Toluene-d8            |              |            |             | 97.4     | 102       | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 96.5     | 100       | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 111      | 113       | 70.0-130    |               |                |      |            |

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3454323-2 09/24/19 18:52

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Naphthalene               | U         |              | 1.00   | 5.00     |
| (S) Toluene-d8            | 100       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 106       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 76.3      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

Laboratory Control Sample (LCS)

(LCS) R3454323-1 09/24/19 18:12

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Naphthalene               | 25.0         | 17.8       | 71.2     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 100      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 105      | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 77.9     | 70.0-130    |               |

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3454550-2 09/25/19 13:33

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 97.6      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 105       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 76.9      |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3454550-1 09/25/19 12:53

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 24.7       | 98.7     | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 20.9       | 83.8     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 24.4       | 97.5     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 29.3       | 117      | 70.0-130    |               |
| Naphthalene               | 25.0         | 18.1       | 72.5     | 70.0-130    |               |
| Toluene                   | 25.0         | 23.4       | 93.6     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 75.8       | 101      | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 93.3     | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 115      | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 94.1     | 70.0-130    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

| Qualifier | Description   |
|-----------|---|
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J1        | Surrogate recovery limits have been exceeded; values are outside upper control limits.  |
| J2        | Surrogate recovery limits have been exceeded; values are outside lower 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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

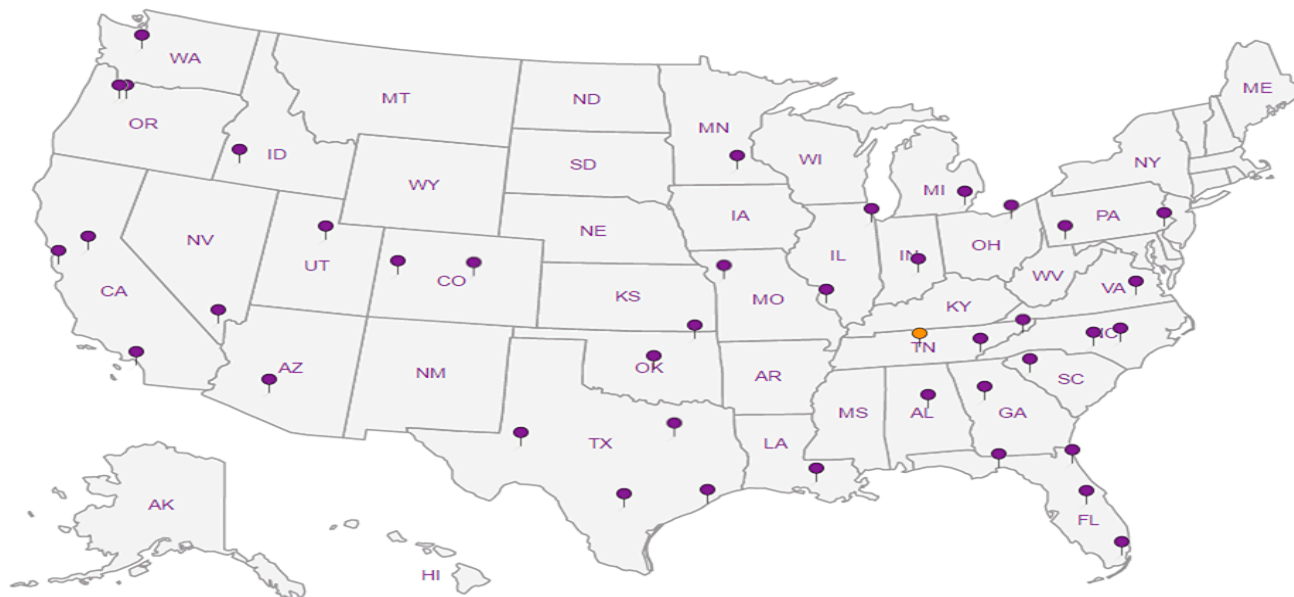
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

### Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

Pres  
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2



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



Project Description: **Lewis Drive Groundwater** City/State Collected: **BELTON, SC** Please Circle: PT MT CT ET

Phone: **770-604-9182** Client Project #: **D3161400** Lab Project #: **KINCH2MGA-LEWIS12**

Collected by (print): **MEUSSA WAMMEN** Site/Facility ID #: **LEWIS DRIVE** P.O. #

Collected by (signature): *Meussa Wammen* 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

Immediately Packed on Ice N  Y  No. of Cntrs

| Sample ID    | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | Pres | Chk |
|--------------|-----------|----------|-------|----------|------|--------------|------|-----|
| MW-28-091719 | GRAB      | GW       | NA    | 09/17/19 | 1530 | 3            | X    |     |
| MW-49-091719 |           | GW       |       |          | 1545 | 3            | X    |     |
| MW-35-091719 |           | GW       |       |          | 1600 | 3            | X    |     |
| TB01-091719  |           | GW       |       |          |      | 1            | X    | Y   |
| MW-37-091719 |           | GW       |       |          | 1550 | 3            | X    | X   |
| MW-38-091719 |           | GW       |       |          | 1450 | 3            | X    | X   |
|              |           | GW       |       |          |      | 3            | X    |     |
|              |           | GW       |       |          |      | 3            | X    |     |
|              |           | GW       |       |          |      | 3            | X    |     |
|              |           | GW       |       |          |      | 3            | X    |     |

V8260BTEXMNSC-40mlAmb-HCl

V8260BTEXMNSC-TB 40mlAmb-HCl-Bik

SULFATE BY IC

SDG # **1140693**  
Table #  
Acctnum: **KINCH2MGA**  
Template: **T155769**  
Prelogin: **P729887**  
PM: **526 - Chris McCord**  
PB: **9-11-19**  
Shipped Via: **FedEX Ground**

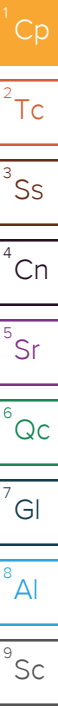
\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks: **V8260BTEXMNSC=BTEX, MTBE, Naphthalene, and 1,2-DCA.** pH \_\_\_\_\_ Temp \_\_\_\_\_ Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  UPS  FedEx  Courier Tracking #

| Sample Receipt Checklist  |  |
|---|--|
| COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |
| COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                 |  |
| Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                               |  |
| Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                |  |
| Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                              |  |
| If Applicable   |  |
| VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                  |  |
| Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                        |  |
| RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                               |  |

|   |                       |                   |  |   |
|---|-----------------------|-------------------|--|---|
| Relinquished by: (Signature) <i>Meussa Wammen</i> | Date: <b>09/17/19</b> | Time: <b>1800</b> | Received by: (Signature)                         | Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>HCL/MeOH<br>TBR |
| Relinquished by: (Signature)                      | Date:                 | Time:             | Received by: (Signature)                         | Temp: °C <b>1.9+3=2.2</b> Bottles Received: <b>50</b>   |
| Relinquished by: (Signature)                      | Date:                 | Time:             | Received for lab by: (Signature) <i>Harley W</i> | Date: <b>9/18/19</b> Time: <b>8:45</b> Hold: Condition: <b>NCF / OK</b>                                     |



## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1141238  
Samples Received: 09/19/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Entire Report Reviewed By:

Jason Romer  
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.







|   |           |
|---|-----------|
| <b>Cp: Cover Page</b>                                     | <b>1</b>  |
| <b>Tc: Table of Contents</b>                              | <b>2</b>  |
| <b>Ss: Sample Summary</b>                                 | <b>3</b>  |
| <b>Cn: Case Narrative</b>                                 | <b>6</b>  |
| <b>Sr: Sample Results</b>                                 | <b>7</b>  |
| MW-08-091819 L1141238-01                                  | 7         |
| MW-18-091819 L1141238-02                                  | 8         |
| MW-16-091819 L1141238-03                                  | 9         |
| MW-06B-091819 L1141238-04                                 | 10        |
| MW-06-091819 L1141238-05                                  | 11        |
| MW-09B-091819 L1141238-06                                 | 12        |
| MW-09-091819 L1141238-07                                  | 13        |
| MW-02B-091819 L1141238-08                                 | 14        |
| MW-02-091819 L1141238-09                                  | 15        |
| MW-04-091819 L1141238-10                                  | 16        |
| MW-05-091819 L1141238-11                                  | 17        |
| MW-32-091819 L1141238-12                                  | 18        |
| MW-10-091819 L1141238-13                                  | 19        |
| FB02-091819 L1141238-14                                   | 20        |
| TB02-091819 L1141238-15                                   | 21        |
| MW-47-091819 L1141238-16                                  | 22        |
| MW-31-091819 L1141238-17                                  | 23        |
| MW-48B-091819 L1141238-18                                 | 24        |
| MW-33T-091819 L1141238-19                                 | 25        |
| MW-50B-091819 L1141238-20                                 | 26        |
| MW-13B-091819 L1141238-21                                 | 27        |
| MW-14B-091819 L1141238-22                                 | 28        |
| MW-14-091819 L1141238-23                                  | 29        |
| <b>Qc: Quality Control Summary</b>                        | <b>30</b> |
| <b>Volatile Organic Compounds (GC/MS) by Method 8260B</b> | <b>30</b> |
| <b>Gl: Glossary of Terms</b>                              | <b>34</b> |
| <b>Al: Accreditations &amp; Locations</b>                 | <b>35</b> |
| <b>Sc: Sample Chain of Custody</b>                        | <b>36</b> |

|                 |
|-----------------|
| <sup>1</sup> Cp |
| <sup>2</sup> Tc |
| <sup>3</sup> Ss |
| <sup>4</sup> Cn |
| <sup>5</sup> Sr |
| <sup>6</sup> Qc |
| <sup>7</sup> Gl |
| <sup>8</sup> Al |
| <sup>9</sup> Sc |

# SAMPLE SUMMARY

## MW-08-091819 L1141238-01 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 08:35  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351561 | 1        | 09/25/19 05:36        | 09/25/19 05:36     | JAH     | Mt. Juliet, TN |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MW-18-091819 L1141238-02 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 08:50  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351561 | 1        | 09/25/19 05:58        | 09/25/19 05:58     | JAH     | Mt. Juliet, TN |

## MW-16-091819 L1141238-03 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 09:00  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351561 | 1        | 09/25/19 06:19        | 09/25/19 06:19     | JAH     | Mt. Juliet, TN |

## MW-06B-091819 L1141238-04 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 09:10  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 00:15        | 09/24/19 00:15     | JAH     | Mt. Juliet, TN |

## MW-06-091819 L1141238-05 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 09:20  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 00:35        | 09/24/19 00:35     | JAH     | Mt. Juliet, TN |

## MW-09B-091819 L1141238-06 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 09:35  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 00:54        | 09/24/19 00:54     | JAH     | Mt. Juliet, TN |

## MW-09-091819 L1141238-07 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 09:40  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 01:14        | 09/24/19 01:14     | JAH     | Mt. Juliet, TN |

## MW-02B-091819 L1141238-08 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 10:15  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 01:34        | 09/24/19 01:34     | JAH     | Mt. Juliet, TN |

# SAMPLE SUMMARY

## MW-02-091819 L1141238-09 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 10:20  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 01:53        | 09/24/19 01:53     | JAH     | Mt. Juliet, TN |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MW-04-091819 L1141238-10 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 10:50  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 02:13        | 09/24/19 02:13     | JAH     | Mt. Juliet, TN |

## MW-05-091819 L1141238-11 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 11:00  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 02:32        | 09/24/19 02:32     | JAH     | Mt. Juliet, TN |

## MW-32-091819 L1141238-12 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 11:30  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 03:28        | 09/24/19 03:28     | JAH     | Mt. Juliet, TN |

## MW-10-091819 L1141238-13 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 11:45  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 03:48        | 09/24/19 03:48     | JAH     | Mt. Juliet, TN |

## FBO2-091819 L1141238-14 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 14:00  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 04:08        | 09/24/19 04:08     | JAH     | Mt. Juliet, TN |

## TBO2-091819 L1141238-15 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 00:00  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/23/19 23:56        | 09/23/19 23:56     | JAH     | Mt. Juliet, TN |

## MW-47-091819 L1141238-16 GW

Collected by  
Melissa Warren  
Collected date/time  
09/18/19 14:20  
Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 04:27        | 09/24/19 04:27     | JAH     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW-31-091819 L1141238-17 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 14:30

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 04:47        | 09/24/19 04:47     | JAH     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## MW-48B-091819 L1141238-18 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 14:45

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 05:06        | 09/24/19 05:06     | JAH     | Mt. Juliet, TN |

## MW-33T-091819 L1141238-19 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 14:40

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 05:26        | 09/24/19 05:26     | JAH     | Mt. Juliet, TN |

## MW-50B-091819 L1141238-20 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 14:50

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 05:46        | 09/24/19 05:46     | JAH     | Mt. Juliet, TN |

## MW-13B-091819 L1141238-21 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 15:10

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 06:05        | 09/24/19 06:05     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352654 | 10       | 09/26/19 14:18        | 09/26/19 14:18     | BMB     | Mt. Juliet, TN |

## MW-14B-091819 L1141238-22 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 15:20

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 06:25        | 09/24/19 06:25     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352654 | 1        | 09/26/19 14:38        | 09/26/19 14:38     | BMB     | Mt. Juliet, TN |

## MW-14-091819 L1141238-23 GW

Collected by  
Melissa Warren

Collected date/time  
09/18/19 15:30

Received date/time  
09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350784 | 1        | 09/24/19 06:44        | 09/24/19 06:44     | 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.

Jason Romer  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| (S) 4-Bromofluorobenzene  | 90.2   |           | 77.0-126 |          | 09/25/2019 05:36     | <a href="#">WG1351561</a> |
| (S) 1,2-Dichloroethane-d4 | 118    |           | 70.0-130 |          | 09/25/2019 05:36     | <a href="#">WG1351561</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| Toluene                   | 10.7   |           | 1.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| Ethylbenzene              | 1.30   |           | 1.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| Total Xylenes             | 37.4   |           | 3.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| Methyl tert-butyl ether   | 15.4   |           | 1.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| Naphthalene               | 48.7   |           | 5.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| (S) 4-Bromofluorobenzene  | 95.9   |           | 77.0-126 |          | 09/25/2019 05:58     | <a href="#">WG1351561</a> |
| (S) 1,2-Dichloroethane-d4 | 109    |           | 70.0-130 |          | 09/25/2019 05:58     | <a href="#">WG1351561</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 8.36   |           | 1.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| Toluene                   | 73.9   |           | 1.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| Ethylbenzene              | 5.80   |           | 1.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| Total Xylenes             | 118    |           | 3.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| Naphthalene               | 132    |           | 5.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| (S) Toluene-d8            | 98.5   |           | 80.0-120 |          | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| (S) 4-Bromofluorobenzene  | 86.6   |           | 77.0-126 |          | 09/25/2019 06:19     | <a href="#">WG1351561</a> |
| (S) 1,2-Dichloroethane-d4 | 123    |           | 70.0-130 |          | 09/25/2019 06:19     | <a href="#">WG1351561</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| Toluene                   | 3.52   |           | 1.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/24/2019 00:15     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 92.6   |           | 70.0-130 |          | 09/24/2019 00:15     | <a href="#">WG1350784</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 09/24/2019 00:35     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 96.4   |           | 70.0-130 |          | 09/24/2019 00:35     | <a href="#">WG1350784</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 3.08   |           | 1.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| Toluene                   | 11.4   |           | 1.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| Ethylbenzene              | 3.04   |           | 1.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| Total Xylenes             | 22.6   |           | 3.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 98.9   |           | 77.0-126 |          | 09/24/2019 00:54     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 96.5   |           | 70.0-130 |          | 09/24/2019 00:54     | <a href="#">WG1350784</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 1.48   |           | 1.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 99.1   |           | 77.0-126 |          | 09/24/2019 01:14     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 93.3   |           | 70.0-130 |          | 09/24/2019 01:14     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 96.1   |           | 77.0-126 |          | 09/24/2019 01:34     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 93.2   |           | 70.0-130 |          | 09/24/2019 01:34     | <a href="#">WG1350784</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 99.8   |           | 77.0-126 |          | 09/24/2019 01:53     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 100    |           | 70.0-130 |          | 09/24/2019 01:53     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 09/24/2019 02:13     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 94.3   |           | 70.0-130 |          | 09/24/2019 02:13     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 98.2   |           | 77.0-126 |          | 09/24/2019 02:32     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 95.1   |           | 70.0-130 |          | 09/24/2019 02:32     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 09/24/2019 03:28     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 94.3   |           | 70.0-130 |          | 09/24/2019 03:28     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 98.8   |           | 77.0-126 |          | 09/24/2019 03:48     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 95.3   |           | 70.0-130 |          | 09/24/2019 03:48     | <a href="#">WG1350784</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 95.9   |           | 77.0-126 |          | 09/24/2019 04:08     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 93.6   |           | 70.0-130 |          | 09/24/2019 04:08     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 99.6   |           | 77.0-126 |          | 09/23/2019 23:56     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 95.8   |           | 70.0-130 |          | 09/23/2019 23:56     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 100    |           | 77.0-126 |          | 09/24/2019 04:27     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 97.6   |           | 70.0-130 |          | 09/24/2019 04:27     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 98.7   |           | 80.0-120 |          | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 94.9   |           | 77.0-126 |          | 09/24/2019 04:47     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 94.3   |           | 70.0-130 |          | 09/24/2019 04:47     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 1.14   |           | 1.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 97.9   |           | 77.0-126 |          | 09/24/2019 05:06     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 97.1   |           | 70.0-130 |          | 09/24/2019 05:06     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/24/2019 05:26     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 96.2   |           | 70.0-130 |          | 09/24/2019 05:26     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 25.6   |           | 1.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| Toluene                   | 1.20   |           | 1.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 43.1   |           | 1.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 96.8   |           | 77.0-126 |          | 09/24/2019 05:46     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 96.4   |           | 70.0-130 |          | 09/24/2019 05:46     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 408    |           | 10.0     | 10       | 09/26/2019 14:18     | <a href="#">WG1352654</a> |
| Toluene                   | 325    |           | 10.0     | 10       | 09/26/2019 14:18     | <a href="#">WG1352654</a> |
| Ethylbenzene              | 71.2   |           | 1.00     | 1        | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| Total Xylenes             | 446    |           | 3.00     | 1        | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 142    |           | 1.00     | 1        | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| Naphthalene               | 14.0   |           | 5.00     | 1        | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 96.4   |           | 80.0-120 |          | 09/26/2019 14:18     | <a href="#">WG1352654</a> |
| (S) 4-Bromofluorobenzene  | 99.5   |           | 77.0-126 |          | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 94.9   |           | 77.0-126 |          | 09/26/2019 14:18     | <a href="#">WG1352654</a> |
| (S) 1,2-Dichloroethane-d4 | 96.8   |           | 70.0-130 |          | 09/24/2019 06:05     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 77.4   |           | 70.0-130 |          | 09/26/2019 14:18     | <a href="#">WG1352654</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.74   |           | 1.00     | 1        | 09/26/2019 14:38     | <a href="#">WG1352654</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| Total Xylenes             | 4.57   |           | 3.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 11.1   |           | 1.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 96.8   |           | 80.0-120 |          | 09/26/2019 14:38     | <a href="#">WG1352654</a> |
| (S) 4-Bromofluorobenzene  | 98.4   |           | 77.0-126 |          | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 96.3   |           | 77.0-126 |          | 09/26/2019 14:38     | <a href="#">WG1352654</a> |
| (S) 1,2-Dichloroethane-d4 | 94.3   |           | 70.0-130 |          | 09/24/2019 06:25     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 80.7   |           | 70.0-130 |          | 09/26/2019 14:38     | <a href="#">WG1352654</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| Methyl tert-butyl ether   | 2.02   |           | 1.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| (S) 4-Bromofluorobenzene  | 98.2   |           | 77.0-126 |          | 09/24/2019 06:44     | <a href="#">WG1350784</a> |
| (S) 1,2-Dichloroethane-d4 | 95.2   |           | 70.0-130 |          | 09/24/2019 06:44     | <a href="#">WG1350784</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3454793-2 09/23/19 22:05

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 106       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 101       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 95.0      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3454793-1 09/23/19 21:25

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 27.1       | 109      | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 24.2       | 96.8     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 27.7       | 111      | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 25.9       | 104      | 70.0-130    |               |
| Naphthalene               | 25.0         | 28.0       | 112      | 70.0-130    |               |
| Toluene                   | 25.0         | 27.5       | 110      | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 82.4       | 110      | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 104      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 98.4     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 95.5     | 70.0-130    |               |



Method Blank (MB)

(MB) R3454719-2 09/25/19 04:09

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 100       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 98.9      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 118       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3454719-1 09/25/19 03:25

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 24.0       | 96.0     | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 30.5       | 122      | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 21.4       | 85.8     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 27.5       | 110      | 70.0-130    |               |
| Naphthalene               | 25.0         | 26.7       | 107      | 70.0-130    |               |
| Toluene                   | 25.0         | 22.6       | 90.5     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 62.7       | 83.6     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 91.9     | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 87.5     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 125      | 70.0-130    |               |

L1141238-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141238-02 09/25/19 05:58 • (MS) R3454719-3 09/25/19 10:37 • (MSD) R3454719-4 09/25/19 10:59

| 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       | %       | %        |          | %           |              |               | %     | %          |
| Benzene                 | 25.0         | ND              | 24.9      | 24.7       | 97.0    | 96.3     | 1        | 17.0-158    |              |               | 0.727 | 27         |
| 1,2-Dichloroethane      | 25.0         | ND              | 30.0      | 29.7       | 120     | 119      | 1        | 29.0-151    |              |               | 0.911 | 27         |
| Ethylbenzene            | 25.0         | 1.30            | 21.6      | 21.9       | 81.1    | 82.3     | 1        | 30.0-155    |              |               | 1.42  | 27         |
| Methyl tert-butyl ether | 25.0         | 15.4            | 39.3      | 39.5       | 95.6    | 96.4     | 1        | 28.0-150    |              |               | 0.512 | 29         |
| Naphthalene             | 25.0         | 48.7            | 65.2      | 69.7       | 66.1    | 84.2     | 1        | 12.0-156    |              |               | 6.71  | 35         |
| Toluene                 | 25.0         | 10.7            | 31.3      | 30.6       | 82.6    | 79.8     | 1        | 26.0-154    |              |               | 2.34  | 28         |
| Xylenes, Total          | 75.0         | 37.4            | 91.6      | 89.6       | 72.2    | 69.6     | 1        | 29.0-154    |              |               | 2.21  | 28         |



L1141238-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141238-02 09/25/19 05:58 • (MS) R3454719-3 09/25/19 10:37 • (MSD) R3454719-4 09/25/19 10:59

| Analyte                   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) Toluene-d8            |                      |                         |                   |                    | 92.6         | 91.4          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                         |                   |                    | 91.4         | 93.3          |          | 77.0-126         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                         |                   |                    | 108          | 107           |          | 70.0-130         |              |               |          |                 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3454999-2 09/26/19 13:00

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/l      |              | ug/l   | ug/l     |
| Benzene                          | U         |              | 0.331  | 1.00     |
| Toluene                          | U         |              | 0.412  | 1.00     |
| <i>(S) Toluene-d8</i>            | 99.3      |              |        | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i>  | 97.2      |              |        | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 78.2      |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3454999-1 09/26/19 12:11

| Analyte                          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------------------|--------------|------------|----------|-------------|---------------|
|                                  | ug/l         | ug/l       | %        | %           |               |
| Benzene                          | 25.0         | 25.8       | 103      | 70.0-130    |               |
| Toluene                          | 25.0         | 25.2       | 101      | 70.0-130    |               |
| <i>(S) Toluene-d8</i>            |              |            | 95.0     | 80.0-120    |               |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            | 95.7     | 77.0-126    |               |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            | 77.3     | 70.0-130    |               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

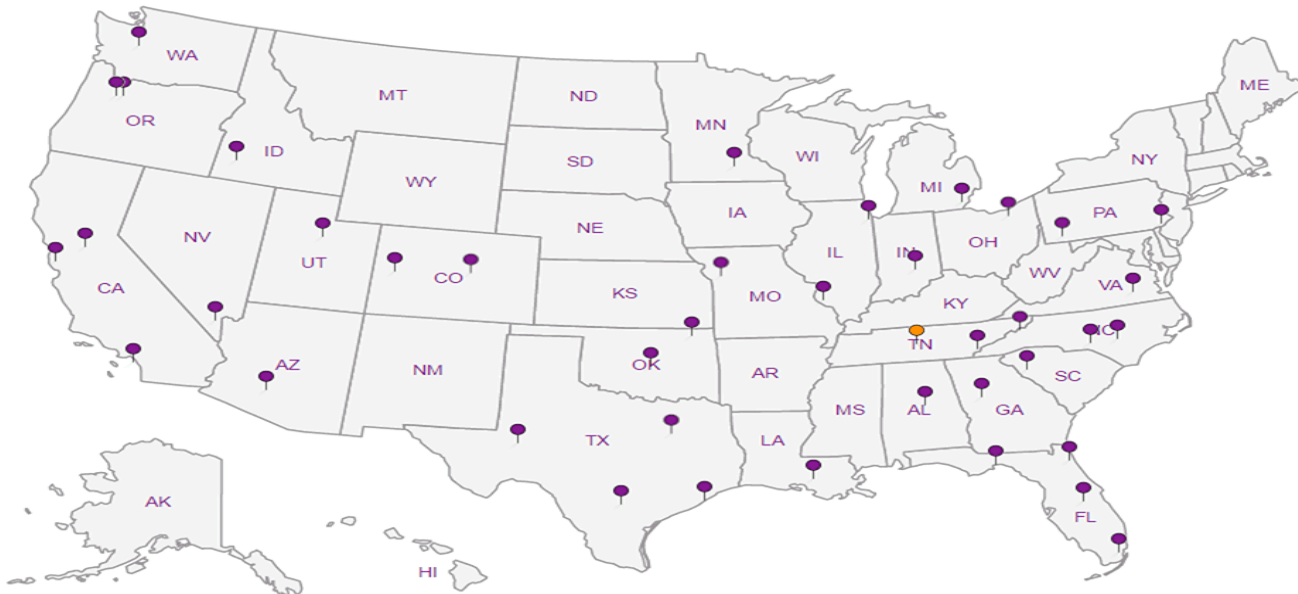
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Report to:  
**Bethany Garvey**

Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

Pres  
Chk

Analysis / Container / Preservative



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



SDG # **1141238**

**H116**

Acctnum: **KINCH2MGA**

Template: **T131319**

Prelogin: **P724307**

PM: **526 - Chris McCord**

PB: **8-13-196**

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Project Description: **Lewis Drive Groundwater** City/State Collected: **BELTON, SC** Please Circle: **PT MT CT ET**

Phone: **770-604-9182** Client Project # **D3161400** Lab Project # **KINCH2MGA-LEWIS12**

Collected by (print): **MELISSA WARNER** Site/Facility ID # **LEWIS DRIVE** P.O. #

Collected by (signature): *Melissa Warner* 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 Quote #

Immediately Packed on Ice N  Y  No. of Cntrs

| Sample ID     | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | Sulfate | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other |    |           |
|---------------|-----------|----------|-------|----------|------|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|
| MW-08-091819  | GRAB      | GW       | NA    | 09/18/19 | 0835 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       | 01 |           |
| MW-18-091819  |           | GW       |       |          | 0850 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | DILUTE 02 |
| MW-16-091819  |           | GW       |       |          | 0900 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 03        |
| MW-06B-091819 |           | GW       |       |          | 0910 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 04        |
| MW-06-091819  |           | GW       |       |          | 0920 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 05        |
| MW-09B-091819 |           | GW       |       |          | 0935 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 06        |
| MW-09-091819  |           | GW       |       |          | 0940 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 07        |
| MW-02B-091819 |           | GW       |       |          | 1015 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 08        |
| MW-02-091819  |           | GW       |       |          | 1020 | 3            | X       |       |       |       |       |       |       |       |       |       |       |       |       |    | 09        |
| MW-04-091819  |           | GW       |       |          | 1050 | 3            | 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, 1,2-DCA.** pH \_\_\_\_\_ Temp \_\_\_\_\_ Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  UPS  FedEx  Courier Tracking # **1203 5180 4352**

| Sample Receipt Checklist      |  |
|-------------------------------|--|
| COC Seal Present/Intact:      | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| COC Signed/Accurate:          | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Bottles arrive intact:        | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Correct bottles used:         | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Sufficient volume sent:       | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| If Applicable                 |  |
| VOA Zero Headspace:           | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Preservation Correct/Checked: | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| RAD Screen <0.5 mR/hr:        | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |

|  |                       |                   |                          |  |                   |  |  |
|--|-----------------------|-------------------|--------------------------|--|-------------------|--|--|
| Relinquished by: (Signature) <i>Melissa Warner</i> | Date: <b>09/18/19</b> | Time: <b>1900</b> | Received by: (Signature) | Trip Blank Received: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | HCL MeOH TBR      | Bottles Received: <b>3.6 to 3.642 06</b> | If preservation required by Login: Date/Time |
| Relinquished by: (Signature)                       | Date:                 | Time:             | Received by: (Signature) | Date: <b>9/19/19</b>   | Time: <b>8:45</b> | Hold:                                    | Condition: <b>NCF / OK</b>                   |



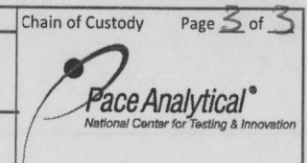
# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

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

Pres  
Chk

| Analysis / Container / Preservative |                                  |
|-------------------------------------|----------------------------------|
| V8260BTEXMNSC 40mIAmb-HCl           | V8260BTEXMNSC-TB 40mIAmb-HCl-Bik |



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



SDG # 1141236

Table #

Acctnum: KINCH2MGA

Template: T155769

Prelogin: P729887

PM: 526 - Chris McCord

PB: 9-11-19GM

Shipped Via: FedEx Ground

Remarks | Sample # (lab only)

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 # D3161400  
Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARRER  
Site/Facility ID # LEWIS DRIVE  
P.O. #

Collected by (signature): *Melissa Warrer*  
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  
Immediately  
Packed on Ice N \_\_\_ Y

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs |
|-----------|-----------|----------|-------|------|------|--------------|
|-----------|-----------|----------|-------|------|------|--------------|

|               |      |    |    |          |      |   |
|---------------|------|----|----|----------|------|---|
| MW-13B-091819 | GRAB | GW | NA | 09/18/19 | 1510 | 3 |
| MW-14B-091819 | ↓    | GW | ↓  | ↓        | 1520 | 3 |
| MW-14-091819  | ↓    | GW | ↓  | ↓        | 1530 | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |
|               |      | GW |    |          |      | 3 |

\* 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 \_\_\_\_\_

Sample Receipt Checklist

COC Seal Present/Intact:  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

Samples returned via:  
UPS \_\_\_ FedEx \_\_\_ Courier \_\_\_\_\_

Tracking #

Relinquished by: (Signature) *Melissa Warrer*

Date: 09/18/19  
Time: 1900

Received by: (Signature)

Trip Blank Received: Yes/No  
HCL/MeOH  
TBR

Relinquished by: (Signature)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received by: (Signature)

Temp: 3.6 to 3.0 °C  
Bottles Received: 6/6

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received for lab by: (Signature) *Haley*

Date: 9/19/19  
Time: 8:45

Hold: \_\_\_\_\_  
Condition: NCF /

September 27, 2019

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1141422  
Samples Received: 09/20/2019  
Project Number: D3161400  
Description: Lewis Drive Groundwater  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Entire Report Reviewed By:



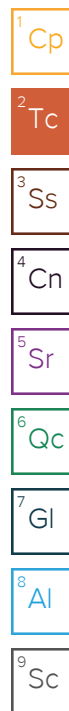
Jason Romer  
Project Manager

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|                                    |           |
|------------------------------------|-----------|
| <b>Cp: Cover Page</b>              | <b>1</b>  |
| <b>Tc: Table of Contents</b>       | <b>2</b>  |
| <b>Ss: Sample Summary</b>          | <b>4</b>  |
| <b>Cn: Case Narrative</b>          | <b>9</b>  |
| <b>Sr: Sample Results</b>          | <b>10</b> |
| MW-07-091919 L1141422-01           | 10        |
| MW-29-091919 L1141422-02           | 11        |
| MW-26-091919 L1141422-03           | 12        |
| MW-26B-091919 L1141422-04          | 13        |
| MW-23-091919 L1141422-05           | 14        |
| MW-23-D-091919 L1141422-06         | 15        |
| MW-23B-091919 L1141422-07          | 16        |
| MW-45B-091919 L1141422-08          | 17        |
| MW-21-091919 L1141422-09           | 18        |
| MW-17B-091919 L1141422-10          | 19        |
| MW-44B-091919 L1141422-11          | 20        |
| MW-01-091919 L1141422-12           | 21        |
| MW-01B-091919 L1141422-13          | 22        |
| MW-27-091919 L1141422-14           | 23        |
| MW-27B-091919 L1141422-15          | 24        |
| MW-12-091919 L1141422-16           | 25        |
| MW-12B-091919 L1141422-17          | 26        |
| MW-25-091919 L1141422-18           | 27        |
| MW-25B-091919 L1141422-19          | 28        |
| MW-15-091919 L1141422-20           | 29        |
| MW-15B-091919 L1141422-21          | 30        |
| TB04-091919 L1141422-22            | 31        |
| FB03-091919 L1141422-23            | 32        |
| MW-11-091919 L1141422-24           | 33        |
| MW-36-091919 L1141422-25           | 34        |
| MW-36-D-091919 L1141422-26         | 35        |
| MW-36B-091919 L1141422-27          | 36        |
| MW-41-D-091919 L1141422-28         | 37        |
| MW-41-091919 L1141422-29           | 38        |
| MW-42-091919 L1141422-30           | 39        |
| MW-40-091919 L1141422-31           | 40        |
| MW-34-091919 L1141422-32           | 41        |
| MW-39-091919 L1141422-33           | 42        |
| TB05-091919 L1141422-34            | 43        |
| <b>Qc: Quality Control Summary</b> | <b>44</b> |





|   |           |
|---|-----------|
| <b>Volatile Organic Compounds (GC/MS) by Method 8260B</b> | <b>44</b> |
| <b>GI: Glossary of Terms</b>                              | <b>50</b> |
| <b>AI: Accreditations &amp; Locations</b>                 | <b>51</b> |
| <b>Sc: Sample Chain of Custody</b>                        | <b>52</b> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



# SAMPLE SUMMARY



MW-07-091919 L1141422-01 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:50 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 50       | 09/25/19 02:18        | 09/25/19 02:18     | JCP     | Mt. Juliet, TN |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

MW-29-091919 L1141422-02 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 08:55 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 02:42        | 09/25/19 02:42     | JCP     | Mt. Juliet, TN |

MW-26-091919 L1141422-03 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:10 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 03:06        | 09/25/19 03:06     | JCP     | Mt. Juliet, TN |

MW-26B-091919 L1141422-04 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:20 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 03:31        | 09/25/19 03:31     | JCP     | Mt. Juliet, TN |

MW-23-091919 L1141422-05 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:35 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 5        | 09/25/19 03:55        | 09/25/19 03:55     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 200      | 09/26/19 18:58        | 09/26/19 18:58     | BMB     | Mt. Juliet, TN |

MW-23-D-091919 L1141422-06 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:30 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 10       | 09/25/19 04:19        | 09/25/19 04:19     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 100      | 09/26/19 19:19        | 09/26/19 19:19     | BMB     | Mt. Juliet, TN |

MW-23B-091919 L1141422-07 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:45 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 04:43        | 09/25/19 04:43     | JCP     | Mt. Juliet, TN |

MW-45B-091919 L1141422-08 GW Collected by  
Melissa Warren Collected date/time  
09/19/19 09:55 Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 05:08        | 09/25/19 05:08     | JCP     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW-21-091919 L1141422-09 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 10:10

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 05:32        | 09/25/19 05:32     | JCP     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## MW-17B-091919 L1141422-10 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 10:25

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 10       | 09/25/19 05:56        | 09/25/19 05:56     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 500      | 09/26/19 19:39        | 09/26/19 19:39     | BMB     | Mt. Juliet, TN |

4 Cn

5 Sr

6 Qc

## MW-44B-091919 L1141422-11 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 10:50

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 06:21        | 09/25/19 06:21     | JCP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 1        | 09/26/19 19:59        | 09/26/19 19:59     | BMB     | Mt. Juliet, TN |

7 Gl

8 Al

9 Sc

## MW-01-091919 L1141422-12 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 11:00

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 06:45        | 09/25/19 06:45     | JCP     | Mt. Juliet, TN |

## MW-01B-091919 L1141422-13 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 11:10

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 07:09        | 09/25/19 07:09     | JCP     | Mt. Juliet, TN |

## MW-27-091919 L1141422-14 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 11:20

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 1        | 09/26/19 20:19        | 09/26/19 20:19     | BMB     | Mt. Juliet, TN |

## MW-27B-091919 L1141422-15 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 11:25

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352978 | 1        | 09/26/19 20:40        | 09/26/19 20:40     | BMB     | Mt. Juliet, TN |

## MW-12-091919 L1141422-16 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 13:30

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 08:22        | 09/25/19 08:22     | JCP     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW-12B-091919 L1141422-17 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 13:35

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 08:47        | 09/25/19 08:47     | JCP     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## MW-25-091919 L1141422-18 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 13:45

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 09:11        | 09/25/19 09:11     | JCP     | Mt. Juliet, TN |

4 Cn

5 Sr

## MW-25B-091919 L1141422-19 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 13:50

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 09:35        | 09/25/19 09:35     | JCP     | Mt. Juliet, TN |

6 Qc

7 Gl

## MW-15-091919 L1141422-20 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:05

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351496 | 1        | 09/25/19 10:00        | 09/25/19 10:00     | JCP     | Mt. Juliet, TN |

8 Al

9 Sc

## MW-15B-091919 L1141422-21 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:20

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 100      | 09/26/19 02:30        | 09/26/19 02:30     | JAH     | Mt. Juliet, TN |

## TB04-091919 L1141422-22 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 00:00

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352155 | 1        | 09/25/19 16:09        | 09/25/19 16:09     | ACG     | Mt. Juliet, TN |

## FB03-091919 L1141422-23 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:25

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 02:50        | 09/26/19 02:50     | JAH     | Mt. Juliet, TN |

## MW-11-091919 L1141422-24 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 15:15

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 500      | 09/26/19 03:10        | 09/26/19 03:10     | JAH     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW-36-091919 L1141422-25 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 15:35

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 10       | 09/26/19 03:30        | 09/26/19 03:30     | JAH     | Mt. Juliet, TN |

1 Cp

2 Tc

## MW-36-D-091919 L1141422-26 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 15:40

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 5        | 09/26/19 03:50        | 09/26/19 03:50     | JAH     | Mt. Juliet, TN |

3 Ss

4 Cn

5 Sr

## MW-36B-091919 L1141422-27 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 15:45

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 04:10        | 09/26/19 04:10     | JAH     | Mt. Juliet, TN |

6 Qc

7 Gl

8 Al

## MW-41-D-091919 L1141422-28 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:45

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 04:30        | 09/26/19 04:30     | JAH     | Mt. Juliet, TN |

9 Sc

## MW-41-091919 L1141422-29 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:40

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 04:50        | 09/26/19 04:50     | JAH     | Mt. Juliet, TN |

## MW-42-091919 L1141422-30 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:55

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 05:10        | 09/26/19 05:10     | JAH     | Mt. Juliet, TN |

## MW-40-091919 L1141422-31 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:35

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 05:30        | 09/26/19 05:30     | JAH     | Mt. Juliet, TN |

## MW-34-091919 L1141422-32 GW

Collected by  
Melissa Warren

Collected date/time  
09/19/19 14:25

Received date/time  
09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 05:50        | 09/26/19 05:50     | JAH     | Mt. Juliet, TN |

# SAMPLE SUMMARY



MW-39-091919 L1141422-33 GW

Collected by: Melissa Warren  
 Collected date/time: 09/19/19 14:30  
 Received date/time: 09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1351565 | 1        | 09/26/19 06:10        | 09/26/19 06:10     | JAH     | Mt. Juliet, TN |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

TB05-091919 L1141422-34 GW

Collected by: Melissa Warren  
 Collected date/time: 09/19/19 00:00  
 Received date/time: 09/20/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1352155 | 1        | 09/25/19 16:29        | 09/25/19 16:29     | ACG     | Mt. Juliet, TN |

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



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.

Jason Romer  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 1580           |           | 50.0        | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| Toluene                   | 2550           |           | 50.0        | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| Ethylbenzene              | 148            |           | 50.0        | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| Total Xylenes             | 2160           |           | 150         | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND             |           | 50.0        | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| Naphthalene               | ND             |           | 250         | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND             |           | 50.0        | 50       | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 110            |           | 80.0-120    |          | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 113            |           | 77.0-126    |          | 09/25/2019 02:18        | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119            |           | 70.0-130    |          | 09/25/2019 02:18        | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 112    |           | 80.0-120 |          | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/25/2019 02:42     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 117    |           | 70.0-130 |          | 09/25/2019 02:42     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/25/2019 03:06     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119    |           | 70.0-130 |          | 09/25/2019 03:06     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/25/2019 03:31     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 123    |           | 70.0-130 |          | 09/25/2019 03:31     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 2950           |           | 200         | 200      | 09/26/2019 18:58        | <a href="#">WG1352978</a> |
| Toluene                   | 1060           |           | 200         | 200      | 09/26/2019 18:58        | <a href="#">WG1352978</a> |
| Ethylbenzene              | 192            |           | 5.00        | 5        | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| Total Xylenes             | 2210           |           | 15.0        | 5        | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | 99.9           |           | 5.00        | 5        | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| Naphthalene               | 38.4           | <u>B</u>  | 25.0        | 5        | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND             |           | 5.00        | 5        | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 107            |           | 80.0-120    |          | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 101            |           | 80.0-120    |          | 09/26/2019 18:58        | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 110            |           | 77.0-126    |          | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 98.9           |           | 77.0-126    |          | 09/26/2019 18:58        | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 116            |           | 70.0-130    |          | 09/25/2019 03:55        | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 93.7           |           | 70.0-130    |          | 09/26/2019 18:58        | <a href="#">WG1352978</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 2640   |           | 100      | 100      | 09/26/2019 19:19     | <a href="#">WG1352978</a> |
| Toluene                   | 999    |           | 10.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| Ethylbenzene              | 154    |           | 10.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| Total Xylenes             | 1990   |           | 30.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | 91.5   |           | 10.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/26/2019 19:19     | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 109    |           | 77.0-126 |          | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 09/26/2019 19:19     | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 117    |           | 70.0-130 |          | 09/25/2019 04:19     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 92.8   |           | 70.0-130 |          | 09/26/2019 19:19     | <a href="#">WG1352978</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 09/25/2019 04:43     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119    |           | 70.0-130 |          | 09/25/2019 04:43     | <a href="#">WG1351496</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/25/2019 05:08     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119    |           | 70.0-130 |          | 09/25/2019 05:08     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/25/2019 05:32     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 124    |           | 70.0-130 |          | 09/25/2019 05:32     | <a href="#">WG1351496</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 7700   |           | 500      | 500      | 09/26/2019 19:39     | <a href="#">WG1352978</a> |
| Toluene                   | 12000  |           | 500      | 500      | 09/26/2019 19:39     | <a href="#">WG1352978</a> |
| Ethylbenzene              | 833    |           | 10.0     | 10       | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| Total Xylenes             | 8740   |           | 1500     | 500      | 09/26/2019 19:39     | <a href="#">WG1352978</a> |
| Methyl tert-butyl ether   | 665    |           | 10.0     | 10       | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| Naphthalene               | 195    |           | 50.0     | 10       | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/26/2019 19:39     | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 112    |           | 77.0-126 |          | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 09/26/2019 19:39     | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 111    |           | 70.0-130 |          | 09/25/2019 05:56     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 93.0   |           | 70.0-130 |          | 09/26/2019 19:39     | <a href="#">WG1352978</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 19:59     | <a href="#">WG1352978</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 19:59     | <a href="#">WG1352978</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/26/2019 19:59     | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 108    |           | 77.0-126 |          | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 09/26/2019 19:59     | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 123    |           | 70.0-130 |          | 09/25/2019 06:21     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 92.3   |           | 70.0-130 |          | 09/26/2019 19:59     | <a href="#">WG1352978</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 06:45     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 121    |           | 70.0-130 |          | 09/25/2019 06:45     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.53   |           | 1.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 104    |           | 77.0-126 |          | 09/25/2019 07:09     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119    |           | 70.0-130 |          | 09/25/2019 07:09     | <a href="#">WG1351496</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.04   |           | 1.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| Toluene                   | 1.09   |           | 1.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| Total Xylenes             | 5.00   |           | 3.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/26/2019 20:19     | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 88.8   |           | 70.0-130 |          | 09/26/2019 20:19     | <a href="#">WG1352978</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| Toluene                   | 3.87   |           | 1.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| Ethylbenzene              | 2.05   |           | 1.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| Total Xylenes             | 16.2   |           | 3.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| (S) 4-Bromofluorobenzene  | 99.0   |           | 77.0-126 |          | 09/26/2019 20:40     | <a href="#">WG1352978</a> |
| (S) 1,2-Dichloroethane-d4 | 91.5   |           | 70.0-130 |          | 09/26/2019 20:40     | <a href="#">WG1352978</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 113    |           | 80.0-120 |          | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 108    |           | 77.0-126 |          | 09/25/2019 08:22     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 120    |           | 70.0-130 |          | 09/25/2019 08:22     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 23.1   |           | 1.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| Ethylbenzene              | 2.33   |           | 1.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 102    |           | 77.0-126 |          | 09/25/2019 08:47     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 118    |           | 70.0-130 |          | 09/25/2019 08:47     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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8 Al

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/25/2019 09:11     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 120    |           | 70.0-130 |          | 09/25/2019 09:11     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 109    |           | 80.0-120 |          | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 99.8   |           | 77.0-126 |          | 09/25/2019 09:35     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 119    |           | 70.0-130 |          | 09/25/2019 09:35     | <a href="#">WG1351496</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.25   |           | 1.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| Methyl tert-butyl ether   | 4.73   |           | 1.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| (S) Toluene-d8            | 111    |           | 80.0-120 |          | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/25/2019 10:00     | <a href="#">WG1351496</a> |
| (S) 1,2-Dichloroethane-d4 | 122    |           | 70.0-130 |          | 09/25/2019 10:00     | <a href="#">WG1351496</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
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- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 3870   |           | 100      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| Toluene                   | 3920   |           | 100      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| Ethylbenzene              | 260    |           | 100      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| Total Xylenes             | 2720   |           | 300      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | 188    |           | 100      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 500      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 100      | 100      | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 96.8   |           | 77.0-126 |          | 09/26/2019 02:30     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 88.8   |           | 70.0-130 |          | 09/26/2019 02:30     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

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6 Qc

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

| Analyte                        | Result | Qualifier | RDL      | Dilution | Analysis         | Batch     |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
|                                | ug/l   |           | ug/l     |          | date / time      |           |
| Acetone                        | ND     |           | 50.0     | 1        | 09/25/2019 16:09 | WG1352155 |
| Benzene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Bromochloromethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Bromodichloromethane           | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Bromoform                      | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Bromomethane                   | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Carbon disulfide               | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Carbon tetrachloride           | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Chlorobenzene                  | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Chlorodibromomethane           | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Chloroethane                   | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Chloroform                     | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Chloromethane                  | ND     |           | 2.50     | 1        | 09/25/2019 16:09 | WG1352155 |
| Cyclohexane                    | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2-Dibromo-3-Chloropropane    | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2-Dibromoethane              | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,3-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,4-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Dichlorodifluoromethane        | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1-Dichloroethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2-Dichloroethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1-Dichloroethene             | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| cis-1,2-Dichloroethene         | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| trans-1,2-Dichloroethene       | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2-Dichloropropane            | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| cis-1,3-Dichloropropene        | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| trans-1,3-Dichloropropene      | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Ethylbenzene                   | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 2-Hexanone                     | ND     |           | 10.0     | 1        | 09/25/2019 16:09 | WG1352155 |
| Isopropylbenzene               | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 2-Butanone (MEK)               | ND     |           | 10.0     | 1        | 09/25/2019 16:09 | WG1352155 |
| Methyl Acetate                 | ND     |           | 20.0     | 1        | 09/25/2019 16:09 | WG1352155 |
| Methyl Cyclohexane             | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Methylene Chloride             | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 4-Methyl-2-pentanone (MIBK)    | ND     |           | 10.0     | 1        | 09/25/2019 16:09 | WG1352155 |
| Methyl tert-butyl ether        | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Styrene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1,2,2-Tetrachloroethane      | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Tetrachloroethene              | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Toluene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2,3-Trichlorobenzene         | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,2,4-Trichlorobenzene         | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1,1-Trichloroethane          | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1,2-Trichloroethane          | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Trichloroethene                | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Trichlorofluoromethane         | ND     |           | 5.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| 1,1,2-Trichlorotrifluoroethane | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Vinyl chloride                 | ND     |           | 1.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| Xylenes, Total                 | ND     |           | 3.00     | 1        | 09/25/2019 16:09 | WG1352155 |
| (S) Toluene-d8                 | 115    |           | 80.0-120 |          | 09/25/2019 16:09 | WG1352155 |
| (S) 4-Bromofluorobenzene       | 94.8   |           | 77.0-126 |          | 09/25/2019 16:09 | WG1352155 |
| (S) 1,2-Dichloroethane-d4      | 99.4   |           | 70.0-130 |          | 09/25/2019 16:09 | WG1352155 |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 99.4   |           | 77.0-126 |          | 09/26/2019 02:50     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 90.0   |           | 70.0-130 |          | 09/26/2019 02:50     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 7950   |           | 500      | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| Toluene                   | 33700  |           | 500      | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| Ethylbenzene              | 2570   |           | 500      | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| Total Xylenes             | 14300  |           | 1500     | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 500      | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 2500     | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 500      | 500      | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 93.8   |           | 77.0-126 |          | 09/26/2019 03:10     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 90.9   |           | 70.0-130 |          | 09/26/2019 03:10     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 360    |           | 10.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| Toluene                   | 46.0   |           | 10.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 10.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| Total Xylenes             | 188    |           | 30.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 10.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 50.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 10.0     | 10       | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 95.8   |           | 77.0-126 |          | 09/26/2019 03:30     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 87.4   |           | 70.0-130 |          | 09/26/2019 03:30     | <a href="#">WG1351565</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | 344            |           | 5.00        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| Toluene                   | 46.0           |           | 5.00        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND             |           | 5.00        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| Total Xylenes             | 190            |           | 15.0        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND             |           | 5.00        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| Naphthalene               | ND             |           | 25.0        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND             |           | 5.00        | 5        | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 102            |           | 80.0-120    |          | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 95.4           |           | 77.0-126    |          | 09/26/2019 03:50        | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 85.8           |           | 70.0-130    |          | 09/26/2019 03:50        | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 98.3   |           | 80.0-120 |          | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 95.6   |           | 77.0-126 |          | 09/26/2019 04:10     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 89.0   |           | 70.0-130 |          | 09/26/2019 04:10     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 98.3   |           | 77.0-126 |          | 09/26/2019 04:30     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 91.7   |           | 70.0-130 |          | 09/26/2019 04:30     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 96.7   |           | 77.0-126 |          | 09/26/2019 04:50     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 89.1   |           | 70.0-130 |          | 09/26/2019 04:50     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 97.0   |           | 77.0-126 |          | 09/26/2019 05:10     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 86.7   |           | 70.0-130 |          | 09/26/2019 05:10     | <a href="#">WG1351565</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 4.50   |           | 1.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| Toluene                   | 3.17   |           | 1.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 101    |           | 80.0-120 |          | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 97.1   |           | 77.0-126 |          | 09/26/2019 05:30     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 87.1   |           | 70.0-130 |          | 09/26/2019 05:30     | <a href="#">WG1351565</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 12.9   |           | 1.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | 109    |           | 1.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 99.4   |           | 77.0-126 |          | 09/26/2019 05:50     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 89.8   |           | 70.0-130 |          | 09/26/2019 05:50     | <a href="#">WG1351565</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.67   |           | 1.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| Methyl tert-butyl ether   | 121    |           | 1.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| 1,2-Dichloroethane        | ND     |           | 1.00     | 1        | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| (S) Toluene-d8            | 99.1   |           | 80.0-120 |          | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| (S) 4-Bromofluorobenzene  | 88.9   |           | 77.0-126 |          | 09/26/2019 06:10     | <a href="#">WG1351565</a> |
| (S) 1,2-Dichloroethane-d4 | 92.9   |           | 70.0-130 |          | 09/26/2019 06:10     | <a href="#">WG1351565</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                        | Result | Qualifier | RDL      | Dilution | Analysis         | Batch     |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
|                                | ug/l   |           | ug/l     |          | date / time      |           |
| Acetone                        | ND     |           | 50.0     | 1        | 09/25/2019 16:29 | WG1352155 |
| Benzene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Bromochloromethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Bromodichloromethane           | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Bromoform                      | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Bromomethane                   | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Carbon disulfide               | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Carbon tetrachloride           | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Chlorobenzene                  | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Chlorodibromomethane           | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Chloroethane                   | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Chloroform                     | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Chloromethane                  | ND     |           | 2.50     | 1        | 09/25/2019 16:29 | WG1352155 |
| Cyclohexane                    | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2-Dibromo-3-Chloropropane    | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2-Dibromoethane              | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,3-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,4-Dichlorobenzene            | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Dichlorodifluoromethane        | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1-Dichloroethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2-Dichloroethane             | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1-Dichloroethene             | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| cis-1,2-Dichloroethene         | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| trans-1,2-Dichloroethene       | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2-Dichloropropane            | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| cis-1,3-Dichloropropene        | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| trans-1,3-Dichloropropene      | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Ethylbenzene                   | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 2-Hexanone                     | ND     |           | 10.0     | 1        | 09/25/2019 16:29 | WG1352155 |
| Isopropylbenzene               | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 2-Butanone (MEK)               | ND     |           | 10.0     | 1        | 09/25/2019 16:29 | WG1352155 |
| Methyl Acetate                 | ND     |           | 20.0     | 1        | 09/25/2019 16:29 | WG1352155 |
| Methyl Cyclohexane             | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Methylene Chloride             | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 4-Methyl-2-pentanone (MIBK)    | ND     |           | 10.0     | 1        | 09/25/2019 16:29 | WG1352155 |
| Methyl tert-butyl ether        | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Styrene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1,2,2-Tetrachloroethane      | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Tetrachloroethene              | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Toluene                        | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2,3-Trichlorobenzene         | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,2,4-Trichlorobenzene         | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1,1-Trichloroethane          | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1,2-Trichloroethane          | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Trichloroethene                | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Trichlorofluoromethane         | ND     |           | 5.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| 1,1,2-Trichlorotrifluoroethane | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Vinyl chloride                 | ND     |           | 1.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| Xylenes, Total                 | ND     |           | 3.00     | 1        | 09/25/2019 16:29 | WG1352155 |
| (S) Toluene-d8                 | 116    |           | 80.0-120 |          | 09/25/2019 16:29 | WG1352155 |
| (S) 4-Bromofluorobenzene       | 95.1   |           | 77.0-126 |          | 09/25/2019 16:29 | WG1352155 |
| (S) 1,2-Dichloroethane-d4      | 95.4   |           | 70.0-130 |          | 09/25/2019 16:29 | WG1352155 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





Method Blank (MB)

(MB) R3454987-2 09/25/19 01:53

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 1.00     |
| Ethylbenzene              | U         |              | 0.384  | 1.00     |
| Methyl tert-butyl ether   | U         |              | 0.367  | 1.00     |
| Naphthalene               | 1.62      | J            | 1.00   | 5.00     |
| Toluene                   | U         |              | 0.412  | 1.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 108       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 106       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 119       |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3454987-1 09/25/19 01:05

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 25.6       | 102      | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 26.6       | 106      | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 23.2       | 93.0     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 26.8       | 107      | 70.0-130    |               |
| Naphthalene               | 25.0         | 22.8       | 91.1     | 70.0-130    |               |
| Toluene                   | 25.0         | 23.2       | 92.6     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 72.9       | 97.2     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 103      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 107      | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 116      | 70.0-130    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3454780-2 09/26/19 00:50

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 101       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 94.2      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 88.9      |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3454780-1 09/26/19 00:10

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 22.9       | 91.8     | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 22.0       | 88.1     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 24.1       | 96.3     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 21.3       | 85.3     | 70.0-130    |               |
| Naphthalene               | 25.0         | 22.2       | 88.6     | 70.0-130    |               |
| Toluene                   | 25.0         | 22.3       | 89.2     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 72.7       | 96.9     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 94.7     | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 94.9     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 98.0     | 70.0-130    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3454710-3 09/25/19 14:49

| Analyte                     | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 10.0           | 50.0           |
| Benzene                     | U                 |              | 0.331          | 1.00           |
| Bromodichloromethane        | U                 |              | 0.380          | 1.00           |
| Bromochloromethane          | U                 |              | 0.520          | 1.00           |
| Bromoform                   | U                 |              | 0.469          | 1.00           |
| Bromomethane                | U                 |              | 0.866          | 5.00           |
| Carbon disulfide            | U                 |              | 0.275          | 1.00           |
| Carbon tetrachloride        | U                 |              | 0.379          | 1.00           |
| Chlorobenzene               | U                 |              | 0.348          | 1.00           |
| Chlorodibromomethane        | U                 |              | 0.327          | 1.00           |
| Chloroethane                | U                 |              | 0.453          | 5.00           |
| Chloroform                  | U                 |              | 0.324          | 5.00           |
| Chloromethane               | U                 |              | 0.276          | 2.50           |
| Cyclohexane                 | U                 |              | 0.390          | 1.00           |
| 1,2-Dibromo-3-Chloropropane | U                 |              | 1.33           | 5.00           |
| 1,2-Dibromoethane           | U                 |              | 0.381          | 1.00           |
| 1,2-Dichlorobenzene         | U                 |              | 0.349          | 1.00           |
| 1,3-Dichlorobenzene         | U                 |              | 0.220          | 1.00           |
| 1,4-Dichlorobenzene         | U                 |              | 0.274          | 1.00           |
| Dichlorodifluoromethane     | U                 |              | 0.551          | 5.00           |
| 1,1-Dichloroethane          | U                 |              | 0.259          | 1.00           |
| 1,2-Dichloroethane          | U                 |              | 0.361          | 1.00           |
| 1,1-Dichloroethene          | U                 |              | 0.398          | 1.00           |
| cis-1,2-Dichloroethene      | U                 |              | 0.260          | 1.00           |
| trans-1,2-Dichloroethene    | U                 |              | 0.396          | 1.00           |
| 1,2-Dichloropropane         | U                 |              | 0.306          | 1.00           |
| cis-1,3-Dichloropropene     | U                 |              | 0.418          | 1.00           |
| trans-1,3-Dichloropropene   | U                 |              | 0.419          | 1.00           |
| Ethylbenzene                | U                 |              | 0.384          | 1.00           |
| 2-Hexanone                  | U                 |              | 3.82           | 10.0           |
| Isopropylbenzene            | U                 |              | 0.326          | 1.00           |
| 2-Butanone (MEK)            | U                 |              | 3.93           | 10.0           |
| Methyl Acetate              | U                 |              | 4.30           | 20.0           |
| Methyl Cyclohexane          | U                 |              | 0.380          | 1.00           |
| Methylene Chloride          | U                 |              | 1.00           | 5.00           |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 2.14           | 10.0           |
| Methyl tert-butyl ether     | U                 |              | 0.367          | 1.00           |
| Styrene                     | U                 |              | 0.307          | 1.00           |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.130          | 1.00           |
| Tetrachloroethene           | U                 |              | 0.372          | 1.00           |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3454710-3 09/25/19 14:49

| Analyte                        | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Toluene                        | U                 |              | 0.412          | 1.00           |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.303          | 1.00           |
| 1,2,3-Trichlorobenzene         | U                 |              | 0.230          | 1.00           |
| 1,2,4-Trichlorobenzene         | U                 |              | 0.355          | 1.00           |
| 1,1,1-Trichloroethane          | U                 |              | 0.319          | 1.00           |
| 1,1,2-Trichloroethane          | U                 |              | 0.383          | 1.00           |
| Trichloroethene                | U                 |              | 0.398          | 1.00           |
| Trichlorofluoromethane         | U                 |              | 1.20           | 5.00           |
| Vinyl chloride                 | U                 |              | 0.259          | 1.00           |
| Xylenes, Total                 | U                 |              | 1.06           | 3.00           |
| (S) Toluene-d8                 | 114               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene       | 97.9              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4      | 99.9              |              |                | 70.0-130       |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3454710-1 09/25/19 13:46 • (LCSD) R3454710-2 09/25/19 14:07

| Analyte                     | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone                     | 125                  | 116                | 123                 | 92.7          | 98.1           | 70.0-130         |               |                | 5.69     | 27              |
| Benzene                     | 25.0                 | 25.1               | 24.3                | 101           | 97.1           | 70.0-130         |               |                | 3.54     | 20              |
| Bromodichloromethane        | 25.0                 | 26.3               | 25.2                | 105           | 101            | 70.0-130         |               |                | 4.39     | 20              |
| Bromochloromethane          | 25.0                 | 26.1               | 25.3                | 104           | 101            | 70.0-130         |               |                | 3.05     | 20              |
| Bromoform                   | 25.0                 | 25.4               | 24.0                | 101           | 96.0           | 70.0-130         |               |                | 5.53     | 20              |
| Bromomethane                | 25.0                 | 23.8               | 22.7                | 95.3          | 91.0           | 70.0-130         |               |                | 4.61     | 25              |
| Carbon disulfide            | 25.0                 | 24.4               | 23.4                | 97.5          | 93.7           | 70.0-130         |               |                | 3.95     | 20              |
| Carbon tetrachloride        | 25.0                 | 22.9               | 20.9                | 91.4          | 83.8           | 70.0-130         |               |                | 8.75     | 20              |
| Chlorobenzene               | 25.0                 | 24.1               | 22.5                | 96.3          | 89.9           | 70.0-130         |               |                | 6.91     | 20              |
| Chlorodibromomethane        | 25.0                 | 27.2               | 24.8                | 109           | 99.2           | 70.0-130         |               |                | 9.28     | 20              |
| Chloroethane                | 25.0                 | 23.0               | 22.3                | 92.2          | 89.1           | 70.0-130         |               |                | 3.41     | 20              |
| Chloroform                  | 25.0                 | 23.8               | 23.4                | 95.4          | 93.7           | 70.0-130         |               |                | 1.77     | 20              |
| Chloromethane               | 25.0                 | 21.3               | 20.5                | 85.0          | 81.8           | 70.0-130         |               |                | 3.88     | 20              |
| 1,2-Dibromo-3-Chloropropane | 25.0                 | 24.5               | 24.7                | 98.0          | 98.7           | 70.0-130         |               |                | 0.708    | 20              |
| 1,2-Dibromoethane           | 25.0                 | 25.7               | 23.9                | 103           | 95.5           | 70.0-130         |               |                | 7.25     | 20              |
| 1,2-Dichlorobenzene         | 25.0                 | 22.7               | 22.8                | 90.7          | 91.2           | 70.0-130         |               |                | 0.597    | 20              |
| 1,3-Dichlorobenzene         | 25.0                 | 22.9               | 23.1                | 91.6          | 92.5           | 70.0-130         |               |                | 0.908    | 20              |
| 1,4-Dichlorobenzene         | 25.0                 | 21.6               | 22.4                | 86.4          | 89.8           | 70.0-130         |               |                | 3.84     | 20              |
| Dichlorodifluoromethane     | 25.0                 | 21.8               | 22.0                | 87.4          | 88.1           | 70.0-130         |               |                | 0.793    | 20              |
| 1,1-Dichloroethane          | 25.0                 | 24.2               | 23.5                | 96.8          | 94.1           | 70.0-130         |               |                | 2.82     | 20              |



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

(LCS) R3454710-1 09/25/19 13:46 • (LCSD) R3454710-2 09/25/19 14:07

| Analyte                        | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 1,2-Dichloroethane             | 25.0                 | 24.7               | 24.1                | 99.0          | 96.4           | 70.0-130         |                      |                       | 2.60     | 20              |
| 1,1-Dichloroethene             | 25.0                 | 23.9               | 22.6                | 95.7          | 90.5           | 70.0-130         |                      |                       | 5.57     | 20              |
| cis-1,2-Dichloroethene         | 25.0                 | 23.0               | 22.4                | 92.1          | 89.6           | 70.0-130         |                      |                       | 2.75     | 20              |
| trans-1,2-Dichloroethene       | 25.0                 | 22.8               | 22.1                | 91.2          | 88.2           | 70.0-130         |                      |                       | 3.29     | 20              |
| 1,2-Dichloropropane            | 25.0                 | 27.7               | 26.4                | 111           | 105            | 70.0-130         |                      |                       | 5.15     | 20              |
| cis-1,3-Dichloropropene        | 25.0                 | 27.6               | 26.6                | 110           | 106            | 70.0-130         |                      |                       | 3.61     | 20              |
| trans-1,3-Dichloropropene      | 25.0                 | 26.9               | 24.9                | 107           | 99.8           | 70.0-130         |                      |                       | 7.40     | 20              |
| Ethylbenzene                   | 25.0                 | 23.3               | 21.3                | 93.2          | 85.0           | 70.0-130         |                      |                       | 9.11     | 20              |
| 2-Hexanone                     | 125                  | 139                | 131                 | 112           | 105            | 70.0-130         |                      |                       | 6.41     | 20              |
| Isopropylbenzene               | 25.0                 | 23.4               | 21.8                | 93.5          | 87.4           | 70.0-130         |                      |                       | 6.78     | 20              |
| 2-Butanone (MEK)               | 125                  | 135                | 132                 | 108           | 106            | 70.0-130         |                      |                       | 1.99     | 20              |
| Methylene Chloride             | 25.0                 | 22.8               | 21.7                | 91.1          | 86.6           | 70.0-130         |                      |                       | 5.04     | 20              |
| 4-Methyl-2-pentanone (MIBK)    | 125                  | 130                | 122                 | 104           | 97.5           | 70.0-130         |                      |                       | 6.73     | 20              |
| Methyl tert-butyl ether        | 25.0                 | 18.2               | 18.6                | 72.7          | 74.5           | 70.0-130         |                      |                       | 2.56     | 20              |
| Styrene                        | 25.0                 | 25.5               | 23.6                | 102           | 94.3           | 70.0-130         |                      |                       | 7.69     | 20              |
| 1,1,2,2-Tetrachloroethane      | 25.0                 | 22.3               | 22.3                | 89.3          | 89.0           | 70.0-130         |                      |                       | 0.361    | 20              |
| Tetrachloroethene              | 25.0                 | 24.4               | 22.7                | 97.5          | 91.0           | 70.0-130         |                      |                       | 6.91     | 20              |
| Toluene                        | 25.0                 | 24.2               | 22.0                | 97.0          | 87.9           | 70.0-130         |                      |                       | 9.88     | 20              |
| 1,1,2-Trichlorotrifluoroethane | 25.0                 | 20.8               | 19.8                | 83.2          | 79.4           | 70.0-130         |                      |                       | 4.71     | 20              |
| 1,2,3-Trichlorobenzene         | 25.0                 | 19.2               | 19.9                | 76.7          | 79.7           | 70.0-130         |                      |                       | 3.80     | 20              |
| 1,2,4-Trichlorobenzene         | 25.0                 | 20.4               | 21.1                | 81.5          | 84.5           | 70.0-130         |                      |                       | 3.55     | 20              |
| 1,1,1-Trichloroethane          | 25.0                 | 22.1               | 21.3                | 88.4          | 85.1           | 70.0-130         |                      |                       | 3.82     | 20              |
| 1,1,2-Trichloroethane          | 25.0                 | 26.5               | 23.9                | 106           | 95.6           | 70.0-130         |                      |                       | 10.5     | 20              |
| Trichloroethene                | 25.0                 | 26.5               | 24.3                | 106           | 97.3           | 70.0-130         |                      |                       | 8.57     | 20              |
| Trichlorofluoromethane         | 25.0                 | 23.1               | 22.3                | 92.4          | 89.2           | 70.0-130         |                      |                       | 3.59     | 20              |
| Vinyl chloride                 | 25.0                 | 25.6               | 24.3                | 102           | 97.1           | 70.0-130         |                      |                       | 5.27     | 20              |
| Xylenes, Total                 | 75.0                 | 70.3               | 64.8                | 93.7          | 86.4           | 70.0-130         |                      |                       | 8.14     | 20              |
| (S) Toluene-d8                 |                      |                    |                     | 107           | 101            | 80.0-120         |                      |                       |          |                 |
| (S) 4-Bromofluorobenzene       |                      |                    |                     | 99.3          | 93.0           | 77.0-126         |                      |                       |          |                 |
| (S) 1,2-Dichloroethane-d4      |                      |                    |                     | 111           | 107            | 70.0-130         |                      |                       |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3455138-2 09/26/19 17:37

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | ug/l     |
| Benzene                   | U         |              | 0.331  | 1.00     |
| 1,2-Dichloroethane        | U         |              | 0.361  | 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     |
| (S) Toluene-d8            | 104       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 96.8      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 93.2      |              |        | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3455138-1 09/26/19 16:56

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 22.8       | 91.3     | 70.0-130    |               |
| 1,2-Dichloroethane        | 25.0         | 20.8       | 83.3     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 23.7       | 95.0     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 23.0       | 92.0     | 70.0-130    |               |
| Naphthalene               | 25.0         | 18.9       | 75.5     | 70.0-130    |               |
| Toluene                   | 25.0         | 22.7       | 91.0     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 71.5       | 95.3     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 99.1     | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 102      | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 91.0     | 70.0-130    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

| Qualifier | Description   |
|-----------|---|
| B         | The same analyte is found in the associated blank.                                  |
| 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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

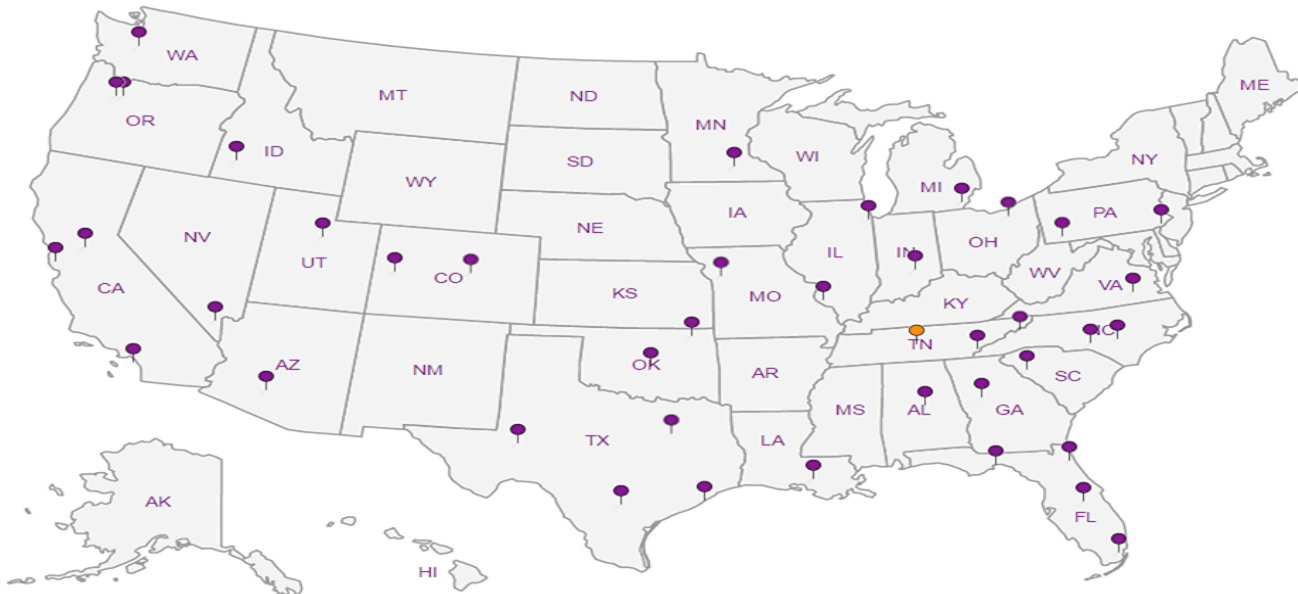
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al


9 Sc



**Kinder Morgan- Atlanta, GA**  
 6600 Peachtree Dunwoody Road  
 400 Embassy Row - Suite 600  
 Atlanta GA 30328


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

|          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pres Chk |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Chain of Custody Page 1 of 4  
  
 Pace Analytical  
 National Center for Testing & Innovation

Report to:  
**Bethany Garvey**

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

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


Project Description: **Lewis Drive Groundwater**

City/State Collected: **BELTON, SC**

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

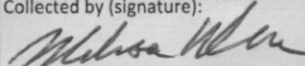
Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS12**

Collected by (print):  
**MELISSA WARREN**

Site/Facility ID #  
**LEWIS DRIVE**

P.O. #

Collected by (signature):  


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

Immediately Packed on Ice N \_\_\_ Y

No. of Cntrs

| Sample ID      | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs |
|----------------|-----------|----------|-------|----------|------|--------------|
| MW-07-091919   | GRAB      | GW       | NA    | 09/19/19 | 0950 | 3            |
| MW-29-091919   | ↓         | GW       | ↓     | ↓        | ↓    | 3            |
| MW-26-091919   |           | GW       |       |          |      | 3            |
| MW-26B-091919  |           | GW       |       |          |      | 3            |
| MW-23-091919   |           | GW       |       |          |      | 3            |
| MW-23-D-091919 |           | GW       |       |          |      | 3            |
| MW-23B-091919  |           | GW       |       |          |      | 3            |
| MW-45B-091919  |           | GW       |       |          |      | 3            |
| MW-21-091919   |           | GW       |       |          |      | 3            |
| MW-17B-091919  |           | GW       |       |          |      | 3            |

|                                    |                          |                    |                           |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------|--------------------------|--------------------|---------------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| *NITRATE,SULFATE* 125mlHDPE-NoPres | ALK,CO2 125mlHDPE-NoPres | RSK175 40mlAmb HCl | V8260BTEXMNSC 40mlAmb-HCl | V8260TCLSC-TB 40mlAmb-NoPres-Bik |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------|--------------------------|--------------------|---------------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

L# **114/1422**  
**H135**  
 Acctnum: **KINCH2MGA**  
 Template: **T130277**  
 Prelogin: **P695785**  
 TSR: **526 - Chris McCord**  
 PB: **2-27-196**  
 Shipped Via: **FedEX Ground**

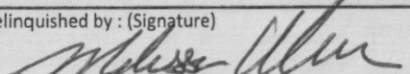
\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other

Remarks: \*NITRATE/SULFATE\* has a 48hr hold time.

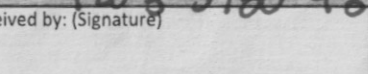
Sample Receipt Checklist  
 COC Seal Present/Intact:  NP  Y  N  
 COC Signed/Accurate:  Y  N  
 Bottles arrive intact:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
 If Applicable  
 VOA Zero Headspace:  Y  N  
 Preservation Correct/Checked:  Y  N

Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

Tracking # **1203 5780 4363**  
**1203 5780 4374**

Relinquished by: (Signature)  


Date: **09/19/19**  
 Time: **1700**

Received by: (Signature)  


Trip Blank Received: Yes/No  
 HCL  MeOH  
 TBR

**RAD SCREEN: <0.5 mR/hr**

Relinquished by: (Signature)

Date: Time:

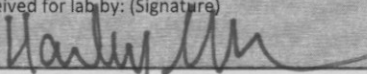
Received by: (Signature)

Temp: **13.1 = 1.33 C**  
**96**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)  


Date: **9/20/19**  
 Time: **8:45**

Hold: Condition: **NCF / OR**

**Kinder Morgan- Atlanta, GA**

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

Project  
Description: **Lewis Drive Groundwater**

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

Client Project #  
**D3161400**

Collected by (print):  
**MELISSA WARRER**

Site/Facility ID #  
**LEWIS DRIVE**

Collected by (signature):  
*Melissa Warner*

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

Immediately Packed on Ice N  Y

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

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

City/State Collected: **BELTON, SC**

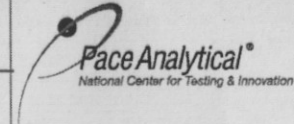
Lab Project #  
**KINCH2MGA-LEWIS12**

P.O. #

Quote #  
Date Results Needed

| Sample ID     | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs |
|---------------|-----------|----------|-------|----------|------|--------------|
| MW-44B-091919 | GRAB      | GW       | NA    | 09/19/19 | 1050 | 3            |
| MW-01-091919  |           | GW       |       |          | 1100 | 3            |
| MW-01B-091919 |           | GW       |       |          | 1110 | 3            |
| MW-27-091919  |           | GW       |       |          | 1120 | 3            |
| MW-27B-091919 |           | GW       |       |          | 1125 | 3            |
| MW-12-091919  |           | GW       |       |          | 1330 | 3            |
| MW-12B-091919 |           | GW       |       |          | 1335 | 3            |
| MW-25-091919  |           | GW       |       |          | 1345 | 3            |
| MW-25B-091919 |           | GW       |       |          | 1350 | 3            |
| MW-15-091919  |           | GW       |       |          | 1405 | 3            |

| Analysis / Container / Preservative |  | Chain of Custody   |
|-------------------------------------|--|--|
| *NITRATE,SULFATE* 125mlHDPE-NoPres  |  | Pace Analytical®<br>National Center for Testing & Innovation<br><br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br><br>L# <b>1171422</b><br><br>Table #<br><br>Acctnum: <b>KINCH2MGA</b><br>Template: <b>T130277</b><br>Prelogin: <b>P695785</b><br>TSR: 526 - Chris McCord<br>PB:<br>Shipped Via: <b>FedEX Ground</b> |
| ALK, CO2 125mlHDPE-NoPres           |  |  |
| RSK175 40mlAmb. HCl                 |  |  |
| V8260BTEXMNSC 40mlAmb-HCl           |  |  |
| V8260TCLSC-TB 40mlAmb-NoPres-Blk    |  |  |



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

Remarks

Sample # (lab only)

11

12

13

14

15

16

17

18

19

20

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

Remarks: \*NITRATE/SULFATE\* has a 48hr hold time.

pH \_\_\_\_\_ Temp \_\_\_\_\_  
Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
 UPS  FedEx  Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:  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**

|   |                       |                   |  |   |  |  |
|---|-----------------------|-------------------|--|---|--|--|
| Relinquished by: (Signature)<br><i>Melissa Warner</i> | Date: <b>09/19/19</b> | Time: <b>1700</b> | Received by: (Signature)<br><i>Warilyn</i>         | Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>HCl/ MeOH TBR | Temp: <b>1.2 ± 1 = 1.302</b> °C<br>Bottles Received: <b>96</b> | If preservation required by Login: Date/Time |
| Relinquished by: (Signature)                          | Date:                 | Time:             | Received by: (Signature)                           | Date: <b>9/20/19</b>  | Time: <b>8:45</b>  | Hold: _____                                  |
| Relinquished by: (Signature)                          | Date:                 | Time:             | Received for lab by: (Signature)<br><i>Warilyn</i> | Date:   | Time:  | Condition: <b>NCF / OK</b>                   |

**Kinder Morgan- Atlanta, GA**  
 6600 Peachtree Dunwoody Road  
 400 Embassy Row - Suite 600  
 Atlanta GA 30328

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

Pres  
 Chk

Analysis / Container / Preservative



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



Report to:  
**Bethany Garvey**

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

Project  
 Description: **Lewis Drive Groundwater**

City/State  
 Collected: **BELTON, SC**

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

Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS12**

Collected by (print):  
**MELISSA WANNER**

Site/Facility ID #  
**LEWIS DRIVE**

P.O. #

Collected by (signature):  
*Melissa Wanner*

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

Quote #

Immediately  
 Packed on Ice N \_\_\_ Y **X**

Date Results Needed

No.  
 of  
 Cntrs

| Sample ID      | Comp/Grab | Matrix * | Depth | Date     | Time | Cntrs |
|----------------|-----------|----------|-------|----------|------|-------|
| MW-15B-091919  | GRAB      | GW       | NA    | 09/19/19 | 1420 | 3     |
| TBO4-091919    |           | GW       |       |          |      | 1     |
| FBO3-091919    |           | GW       |       |          | 1425 | 3     |
| MW-11-091919   |           | GW       |       |          | 1515 | 3     |
| MW-36-091919   |           | GW       |       |          | 1535 | 3     |
| MW-36-D-091919 |           | GW       |       |          | 1540 | 3     |
| MW-36B-091919  |           | GW       |       |          | 1545 | 3     |
| MW-41-D-091919 |           | GW       |       |          | 1445 | 3     |
| MW-41-091919   |           | GW       |       |          | 1440 | 3     |
| MW-42-091919   |           | GW       |       |          | 1455 | 3     |

| *NITRATE,SULFATE* 125mlHDPE-NoPres | ALK,CO2 125mlHDPE-NoPres | RSK175 40mlAmb HCl | V8260BTEXMNSC 40mlAmb-HCl | V8260TCLSC-TB 40mlAmb-NoPres-Bik |
|------------------------------------|--------------------------|--------------------|---------------------------|----------------------------------|
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    |                           | X                                |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |
|                                    |                          |                    | X                         |                                  |

L # **1141427**  
 Table #  
 Acctnum: **KINCH2MGA**  
 Template: **T130277**  
 Prelogin: **P695785**  
 TSR: 526 - Chris McCord  
 PB:  
 Shipped Via: **FedEX Ground**

| Remarks        | Sample # (lab only) |
|----------------|---------------------|
|                | 21                  |
|                | 22                  |
|                | 23                  |
| SHEEN<br>DIUTE | 24                  |
|                | 25                  |
|                | 26                  |
|                | 27                  |
|                | 28                  |
|                | 29                  |
|                | 30                  |

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

Remarks: \*NITRATE/SULFATE\* has a 48hr hold time.

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Sample Receipt Checklist  
 COC Seal Present/Intact: **NP**  Y  N  
 COC Signed/Accurate: **ck**  Y  N  
 Bottles arrive intact:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
 If Applicable  
 VOA Zero Headpace:  Y  N  
 Preservation Correct/Checked:  Y  N

Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

Tracking #

Relinquished by: (Signature)  
*Melissa Wanner*

Date: **09/19/19**  
 Time: **1700**

Received by: (Signature)

Trip Blank Received: **2**  
 Yes  No  
 HCL MeOH  
 TBR

**RAD SCREEN: <0.5 mR/hr**

Relinquished by: (Signature)

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received by: (Signature)

Temp: **1.2(1)=1.3(1) 96**  
 °C  
 Bottles Received: **96**

If preservation required by Login: Date/Time


Relinquished by: (Signature)

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

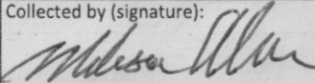
Received for lab by: (Signature)  
*Daily*

Date: **9/20/19**  
 Time: **8:45**

Hold: \_\_\_\_\_  
 Condition: **NCF /**

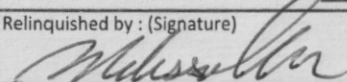
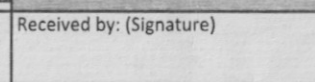
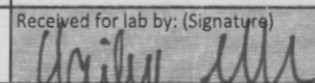
|   |   |  |   |
|---|---|--|---|
| <b>Kinder Morgan- Atlanta, GA</b><br>6600 Peachtree Dunwoody Road<br>400 Embassy Row - Suite 600<br>Atlanta, GA 30328 | Billing Information:<br><b>Accounts Payable</b><br>1000 Windward Concourse<br>Ste 450<br>Alpharetta, GA 30005 | Analysis / Container / Preservative<br>Pres Chk              | Chain of Custody Page 4 of 4<br><br>Pace Analytical<br>National Center for Testing & Innovation |
|   | Report to:<br><b>Bethany Garvey</b>   | Email To: bethany.garvey@jacobs.com;<br>tom.wiley@jacobs.com | 12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859   |

|   |   |
|---|---|
| Project Description: <b>Lewis Drive Groundwater</b> | City/State Collected: <b>BELTON, SC</b> |
|---|---|

|   |   |   |
|---|---|---|
| Phone: <b>770-604-9182</b><br>Fax:  | Client Project #<br><b>D3161400</b>   | Lab Project #<br><b>KINCH2MGA-LEWIS12</b> |
| Collected by (print):<br><b>MEUSSA WAHED</b>  | Site/Facility ID #<br><b>LEWIS DRIVE</b>  | P.O. #                                    |
| Collected by (signature):<br> | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day | Quote #<br>Date Results Needed            |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                    | No. of Cntrs  |   |

| Sample ID    | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | * NITRATE, SULFATE * 125mlHDPE-NoPres | ALK, CO2 125mlHDPE-NoPres | RSK175 40mlAmb HCl | V8260BTEXMNSC 40mlAmb-HCl | V8260TCLSC-TB 40mlAmb-NoPres-Bik | Remarks | Sample # (lab only) |
|--------------|-----------|----------|-------|----------|------|--------------|---------------------------------------|---------------------------|--------------------|---------------------------|----------------------------------|---------|---------------------|
| MW-40-091919 | GRAB      | GW       | NA    | 09/19/19 | 1435 | 3            |                                       |                           |                    |                           |                                  |         | 31                  |
| MW-34-091919 |           | GW       |       |          | 1425 | 3            |                                       |                           |                    |                           |                                  |         | 32                  |
| MW-39-091919 |           | GW       |       |          | 1430 | 3            |                                       |                           |                    |                           |                                  |         | 33                  |
| TB05-091919  |           | GW       |       |          | ---  | 1            |                                       |                           |                    |                           |                                  |         | 34                  |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |
|              |           | GW       |       |          |      |              |                                       |                           |                    |                           |                                  |         |                     |

|  |  |   |   |
|--|--|---|---|
| * Matrix:<br>SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other | Remarks: *NITRATE/SULFATE* has a 48hr hold time. | pH _____ Temp _____<br>Flow _____ Other _____ | Sample Receipt Checklist<br>COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
|--|--|---|---|

|  |                              |  |  |  |
|--|------------------------------|--|--|--|
| Relinquished by: (Signature)<br> | Date: 09/19/19<br>Time: 1700 | Received by: (Signature)<br>         | Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>HCL/MeOH TBR | RAD SCREEN: <0.5 mR/hr                       |
| Relinquished by: (Signature)   | Date:                        | Received by: (Signature)   | Temp: 12.1 = 13.43 °C<br>Bottles Received: 96  | If preservation required by Login: Date/Time |
| Relinquished by: (Signature)   | Date:                        | Received for lab by: (Signature)<br> | Date: 9/20/19<br>Time: 8:45  | Hold:  |

Condition: NCF 108

July 30, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

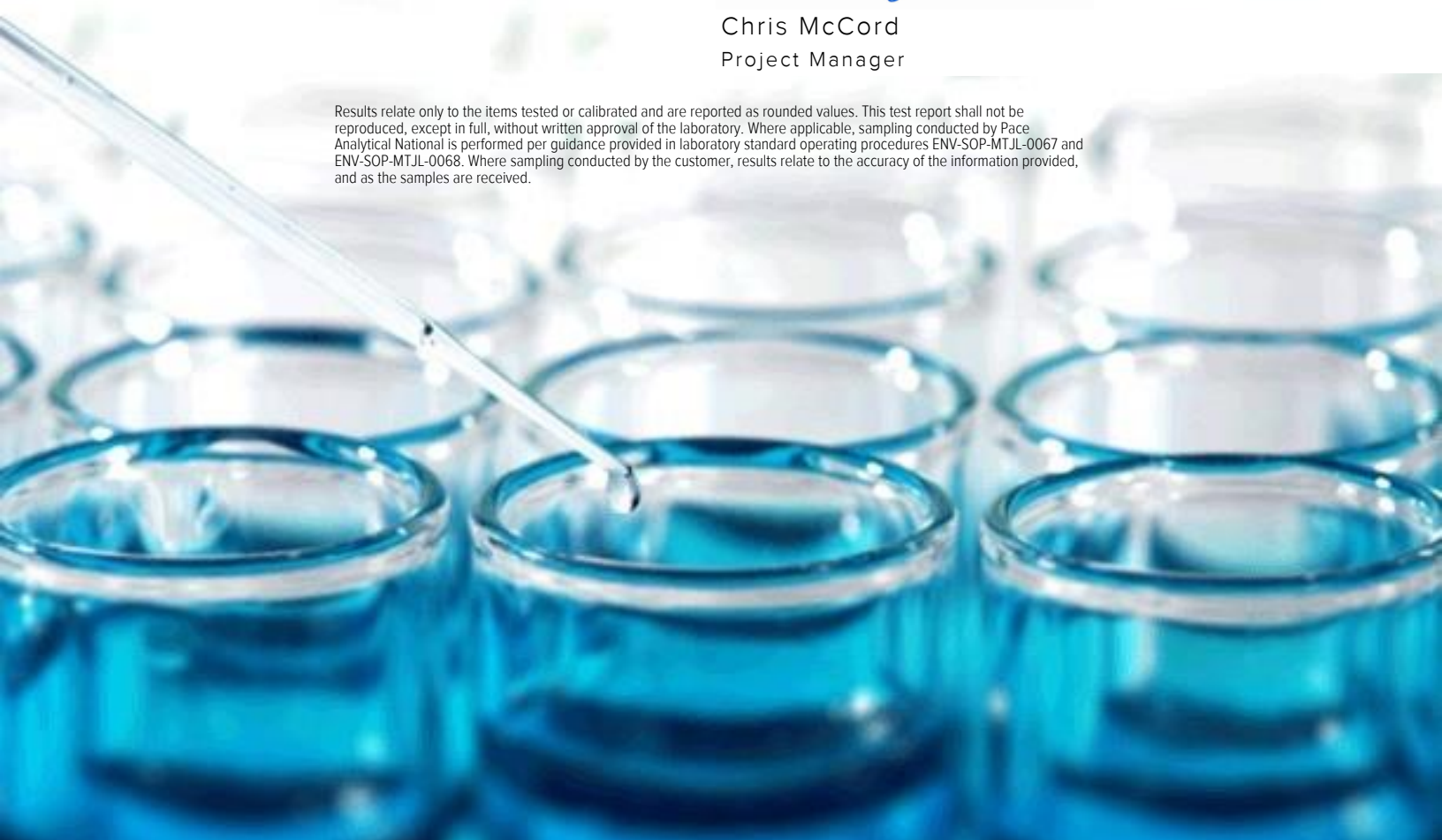
Sample Delivery Group: L1120449  
Samples Received: 07/19/2019  
Project Number: D3161400 B PN GEN  
Description: Lewis Drive Site  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

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.





|  |           |                       |
|--|-----------|-----------------------|
| <b>Cp: Cover Page</b>                              | <b>1</b>  | <b><sup>1</sup>Cp</b> |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |                       |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  | <b><sup>2</sup>Tc</b> |
| <b>Cn: Case Narrative</b>                          | <b>4</b>  |                       |
| <b>Sr: Sample Results</b>                          | <b>5</b>  | <b><sup>3</sup>Ss</b> |
| SS-01-071819 L1120449-01                           | <b>5</b>  |                       |
| SS-02-071819 L1120449-02                           | <b>6</b>  | <b><sup>4</sup>Cn</b> |
| SS-03-071819 L1120449-03                           | <b>7</b>  | <b><sup>5</sup>Sr</b> |
| SS-04-071819 L1120449-04                           | <b>8</b>  |                       |
| TB03-071819 L1120449-05                            | <b>9</b>  | <b><sup>6</sup>Qc</b> |
| <b>Qc: Quality Control Summary</b>                 | <b>10</b> |                       |
| Total Solids by Method 2540 G-2011                 | <b>10</b> | <b><sup>7</sup>Gl</b> |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>11</b> | <b><sup>8</sup>Al</b> |
| <b>Gl: Glossary of Terms</b>                       | <b>12</b> |                       |
| <b>Al: Accreditations &amp; Locations</b>          | <b>13</b> | <b><sup>9</sup>Sc</b> |
| <b>Sc: Sample Chain of Custody</b>                 | <b>14</b> |                       |

# SAMPLE SUMMARY

## SS-01-071819 L1120449-01 Solid

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 16:00  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                 | WG1317404 | 1        | 07/26/19 09:33        | 07/26/19 09:44     | KBC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318101 | 1        | 07/18/19 16:00        | 07/26/19 14:40     | JAH     | Mt. Juliet, TN |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## SS-02-071819 L1120449-02 Solid

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 16:20  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                 | WG1317404 | 1        | 07/26/19 09:33        | 07/26/19 09:44     | KBC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318101 | 8        | 07/18/19 16:20        | 07/26/19 14:59     | JAH     | Mt. Juliet, TN |

## SS-03-071819 L1120449-03 Solid

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 16:55  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                 | WG1317404 | 1        | 07/26/19 09:33        | 07/26/19 09:44     | KBC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318101 | 1        | 07/18/19 16:55        | 07/26/19 15:37     | JAH     | Mt. Juliet, TN |

## SS-04-071819 L1120449-04 Solid

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 17:40  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                 | WG1317404 | 1        | 07/26/19 09:33        | 07/26/19 09:44     | KBC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318101 | 1        | 07/18/19 17:40        | 07/26/19 15:56     | JAH     | Mt. Juliet, TN |

## TB03-071819 L1120449-05 Solid

Collected by  
Melissa Warren  
Collected date/time  
07/18/19 15:55  
Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1318101 | 1        | 07/18/19 15:55        | 07/26/19 11:48     | 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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc





Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 77.9   |           | 1        | 07/26/2019 09:44 | <a href="#">WG1317404</a> |

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

| Analyte                   | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
|                           | ug/kg        |           | ug/kg     |          | date / time      |                           |
| Benzene                   | ND           |           | 1.28      | 1        | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| Toluene                   | ND           |           | 6.42      | 1        | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| Ethylbenzene              | ND           |           | 3.21      | 1        | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| Total Xylenes             | ND           |           | 8.34      | 1        | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| Naphthalene               | ND           |           | 16.0      | 1        | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| (S) Toluene-d8            | 101          |           | 75.0-131  |          | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| (S) 4-Bromofluorobenzene  | 93.6         |           | 67.0-138  |          | 07/26/2019 14:40 | <a href="#">WG1318101</a> |
| (S) 1,2-Dichloroethane-d4 | 117          |           | 70.0-130  |          | 07/26/2019 14:40 | <a href="#">WG1318101</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 74.3   |           | 1        | 07/26/2019 09:44 | <a href="#">WG1317404</a> |

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

| Analyte                   | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
|                           | ug/kg        |           | ug/kg     |          | date / time      |                           |
| Benzene                   | 529          |           | 10.8      | 8        | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| Toluene                   | 55.5         |           | 53.8      | 8        | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| Ethylbenzene              | 637          |           | 26.9      | 8        | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| Total Xylenes             | 10700        |           | 70.0      | 8        | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| Naphthalene               | 1480         |           | 135       | 8        | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| (S) Toluene-d8            | 99.9         |           | 75.0-131  |          | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| (S) 4-Bromofluorobenzene  | 95.6         |           | 67.0-138  |          | 07/26/2019 14:59 | <a href="#">WG1318101</a> |
| (S) 1,2-Dichloroethane-d4 | 109          |           | 70.0-130  |          | 07/26/2019 14:59 | <a href="#">WG1318101</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 75.2   |           | 1        | 07/26/2019 09:44 | <a href="#">WG1317404</a> |

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

| Analyte                   | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
|                           | ug/kg        |           | ug/kg     |          | date / time      |                           |
| Benzene                   | 385          |           | 1.33      | 1        | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| Toluene                   | 25.5         |           | 6.64      | 1        | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| Ethylbenzene              | 349          |           | 3.32      | 1        | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| Total Xylenes             | 2660         |           | 8.64      | 1        | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| Naphthalene               | 84.6         |           | 16.6      | 1        | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| (S) Toluene-d8            | 102          |           | 75.0-131  |          | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| (S) 4-Bromofluorobenzene  | 93.2         |           | 67.0-138  |          | 07/26/2019 15:37 | <a href="#">WG1318101</a> |
| (S) 1,2-Dichloroethane-d4 | 106          |           | 70.0-130  |          | 07/26/2019 15:37 | <a href="#">WG1318101</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 72.9   |           | 1        | 07/26/2019 09:44 | <a href="#">WG1317404</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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

| Analyte                   | Result (dry) | Qualifier | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|----------|------------------|---------------------------|
|                           | ug/kg        |           | ug/kg     |          | date / time      |                           |
| Benzene                   | 4.54         |           | 1.37      | 1        | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| Toluene                   | ND           |           | 6.85      | 1        | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| Ethylbenzene              | 6.25         |           | 3.43      | 1        | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| Total Xylenes             | 27.8         |           | 8.91      | 1        | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| Naphthalene               | ND           |           | 17.1      | 1        | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| (S) Toluene-d8            | 102          |           | 75.0-131  |          | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| (S) 4-Bromofluorobenzene  | 94.8         |           | 67.0-138  |          | 07/26/2019 15:56 | <a href="#">WG1318101</a> |
| (S) 1,2-Dichloroethane-d4 | 120          |           | 70.0-130  |          | 07/26/2019 15:56 | <a href="#">WG1318101</a> |



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

| Analyte                          | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene                          | ND              |           | 0.00100      | 1        | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| Toluene                          | ND              |           | 0.00500      | 1        | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| Ethylbenzene                     | ND              |           | 0.00250      | 1        | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| Total Xylenes                    | ND              |           | 0.00650      | 1        | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| Naphthalene                      | ND              |           | 0.0125       | 1        | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| <i>(S) Toluene-d8</i>            | 106             |           | 75.0-131     |          | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| <i>(S) 4-Bromofluorobenzene</i>  | 92.6            |           | 67.0-138     |          | 07/26/2019 11:48        | <a href="#">WG1318101</a> |
| <i>(S) 1,2-Dichloroethane-d4</i> | 122             |           | 70.0-130     |          | 07/26/2019 11:48        | <a href="#">WG1318101</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3434809-1 07/26/19 09:44

| Analyte      | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
|              | %         |                     | %      | %      |
| Total Solids | 0.000     |                     |        |        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

L1120470-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1120470-01 07/26/19 09:44 • (DUP) R3434809-3 07/26/19 09:44

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
|              | %               | %          |          | %       |                      | %              |
| Total Solids | 90.5            | 90.5       | 1        | 0.0901  |                      | 10             |

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS)

(LCS) R3434809-2 07/26/19 09:44

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
|              | %            | %          | %        | %           |                      |
| Total Solids | 50.0         | 50.0       | 100      | 85.0-115    |                      |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) R3434737-3 07/26/19 10:44

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/kg     |              | ug/kg  | 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     |
| <i>(S) Toluene-d8</i>            | 104       |              |        | 75.0-131 |
| <i>(S) 4-Bromofluorobenzene</i>  | 91.0      |              |        | 67.0-138 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 109       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R3434737-1 07/26/19 09:29 • (LCSD) R3434737-2 07/26/19 09:48

| Analyte                          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                                  | ug/kg        | ug/kg      | ug/kg       | %        | %         | %           |               |                | %     | %          |
| Benzene                          | 125          | 114        | 115         | 91.3     | 92.4      | 70.0-130    |               |                | 1.13  | 20         |
| Ethylbenzene                     | 125          | 128        | 124         | 102      | 99.0      | 70.0-130    |               |                | 3.16  | 20         |
| Naphthalene                      | 125          | 98.5       | 97.9        | 78.8     | 78.3      | 70.0-130    |               |                | 0.651 | 20         |
| Toluene                          | 125          | 119        | 117         | 94.9     | 93.8      | 70.0-130    |               |                | 1.09  | 20         |
| Xylenes, Total                   | 375          | 317        | 309         | 84.5     | 82.4      | 70.0-130    |               |                | 2.56  | 20         |
| <i>(S) Toluene-d8</i>            |              |            |             | 99.9     | 97.9      | 75.0-131    |               |                |       |            |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            |             | 97.4     | 96.0      | 67.0-138    |               |                |       |            |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            |             | 117      | 116       | 70.0-130    |               |                |       |            |

7 Gl

8 Al

9 Sc



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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

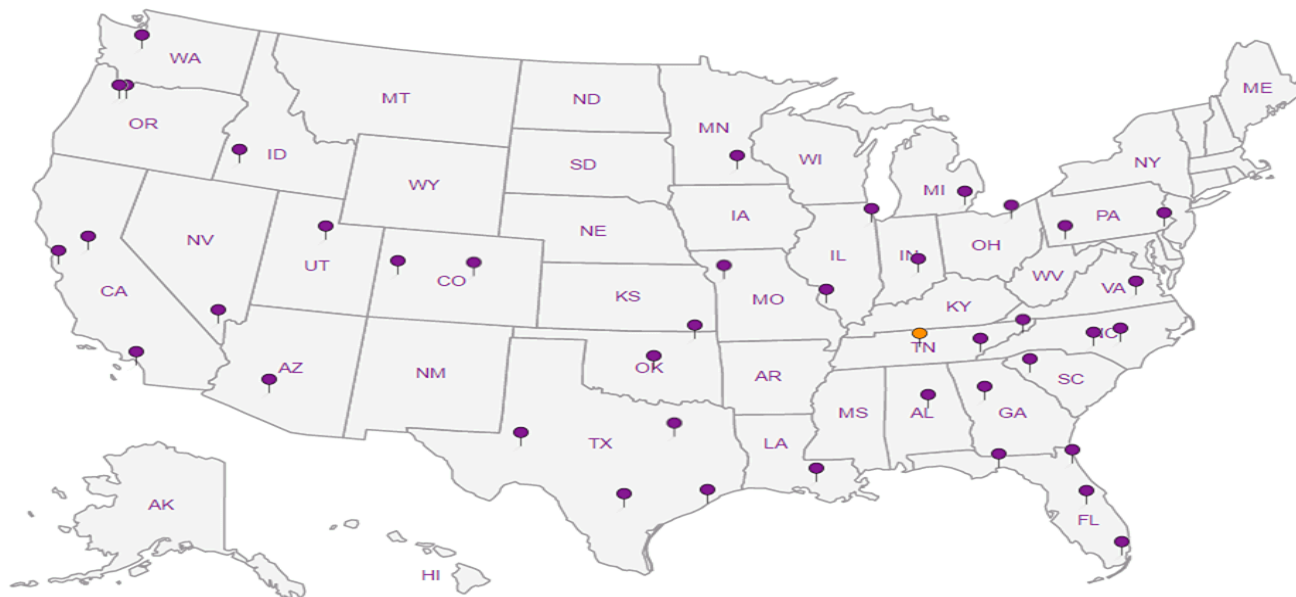
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



July 26, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl


8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1120363  
Samples Received: 07/19/2019  
Project Number: 03161400.B.PN.GEN.LD  
Description: Lewis Drive Surface Water  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

Entire Report Reviewed By:



Jordan N Zito  
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.





|  |           |  |
|--|-----------|--|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |  |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>5</b>  |  |
| <b>Sr: Sample Results</b>                          | <b>6</b>  |  |
| SW01-071819 L1120363-01                            | 6         |  |
| SW02-071819 L1120363-02                            | 7         |  |
| SW03-071819 L1120363-03                            | 8         |  |
| SW04-071819 L1120363-04                            | 9         |  |
| SW08-071819 L1120363-05                            | 10        |  |
| SW09-071819 L1120363-06                            | 11        |  |
| SW10-071819 L1120363-07                            | 12        |  |
| SW11-071819 L1120363-08                            | 13        |  |
| SW12-071819 L1120363-09                            | 14        |  |
| SW13-071819 L1120363-10                            | 15        |  |
| SW14-071819 L1120363-11                            | 16        |  |
| TB02-071819 L1120363-12                            | 17        |  |
| <b>Qc: Quality Control Summary</b>                 | <b>18</b> |  |
| Wet Chemistry by Method 9056A                      | 18        |  |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 19        |  |
| <b>Gl: Glossary of Terms</b>                       | <b>22</b> |  |
| <b>Al: Accreditations &amp; Locations</b>          | <b>23</b> |  |
| <b>Sc: Sample Chain of Custody</b>                 | <b>24</b> |  |

# SAMPLE SUMMARY



## SW01-071819 L1120363-01 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 13:35

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 15:33        | 07/25/19 15:33     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314918 | 1        | 07/21/19 03:23        | 07/21/19 03:23     | ZJM     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## SW02-071819 L1120363-02 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 13:15

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 16:38        | 07/25/19 16:38     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314918 | 1        | 07/21/19 03:43        | 07/21/19 03:43     | ZJM     | Mt. Juliet, TN |

## SW03-071819 L1120363-03 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 14:25

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 16:55        | 07/25/19 16:55     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314918 | 1        | 07/21/19 04:03        | 07/21/19 04:03     | ZJM     | Mt. Juliet, TN |

## SW04-071819 L1120363-04 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 13:05

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 17:11        | 07/25/19 17:11     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 04:09        | 07/21/19 04:09     | JCP     | Mt. Juliet, TN |

## SW08-071819 L1120363-05 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 11:20

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 17:28        | 07/25/19 17:28     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 04:30        | 07/21/19 04:30     | JCP     | Mt. Juliet, TN |

## SW09-071819 L1120363-06 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 11:10

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 18:17        | 07/25/19 18:17     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 04:50        | 07/21/19 04:50     | JCP     | Mt. Juliet, TN |

## SW10-071819 L1120363-07 GW

Collected by  
Melissa Warren

Collected date/time  
07/18/19 10:55

Received date/time  
07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 18:33        | 07/25/19 18:33     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 05:10        | 07/21/19 05:10     | JCP     | Mt. Juliet, TN |

# SAMPLE SUMMARY



## SW11-071819 L1120363-08 GW

Collected by: Melissa Warren  
 Collected date/time: 07/18/19 10:40  
 Received date/time: 07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 18:50        | 07/25/19 18:50     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 05:30        | 07/21/19 05:30     | JCP     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## SW12-071819 L1120363-09 GW

Collected by: Melissa Warren  
 Collected date/time: 07/18/19 14:00  
 Received date/time: 07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 19:06        | 07/25/19 19:06     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 05:51        | 07/21/19 05:51     | JCP     | Mt. Juliet, TN |

4 Cn

5 Sr

6 Qc

## SW13-071819 L1120363-10 GW

Collected by: Melissa Warren  
 Collected date/time: 07/18/19 13:25  
 Received date/time: 07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 19:22        | 07/25/19 19:22     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 06:12        | 07/21/19 06:12     | JCP     | Mt. Juliet, TN |

7 Gl

8 Al

9 Sc

## SW14-071819 L1120363-11 GW

Collected by: Melissa Warren  
 Collected date/time: 07/18/19 14:45  
 Received date/time: 07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1317147 | 1        | 07/25/19 19:39        | 07/25/19 19:39     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 06:32        | 07/21/19 06:32     | JCP     | Mt. Juliet, TN |

## TB02-071819 L1120363-12 GW

Collected by: Melissa Warren  
 Collected date/time: 07/18/19 10:00  
 Received date/time: 07/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1314920 | 1        | 07/21/19 03:49        | 07/21/19 03:49     | 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.

Jordan N Zito  
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 15:33     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| Methyl tert-butyl ether   | 2.30   |           | 1.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| (S) Toluene-d8            | 102    |           | 80.0-120 |          | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| (S) 4-Bromofluorobenzene  | 91.5   |           | 77.0-126 |          | 07/21/2019 03:23     | <a href="#">WG1314918</a> |
| (S) 1,2-Dichloroethane-d4 | 108    |           | 70.0-130 |          | 07/21/2019 03:23     | <a href="#">WG1314918</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 16:38     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| Methyl tert-butyl ether   | 1.11   |           | 1.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| (S) Toluene-d8            | 95.2   |           | 80.0-120 |          | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| (S) 4-Bromofluorobenzene  | 93.9   |           | 77.0-126 |          | 07/21/2019 03:43     | <a href="#">WG1314918</a> |
| (S) 1,2-Dichloroethane-d4 | 106    |           | 70.0-130 |          | 07/21/2019 03:43     | <a href="#">WG1314918</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 16:55     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| (S) Toluene-d8            | 97.7   |           | 80.0-120 |          | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| (S) 4-Bromofluorobenzene  | 87.5   |           | 77.0-126 |          | 07/21/2019 04:03     | <a href="#">WG1314918</a> |
| (S) 1,2-Dichloroethane-d4 | 109    |           | 70.0-130 |          | 07/21/2019 04:03     | <a href="#">WG1314918</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 17:11     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | 1.12   |           | 1.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 108    |           | 77.0-126 |          | 07/21/2019 04:09     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 92.6   |           | 70.0-130 |          | 07/21/2019 04:09     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 17:28     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 07/21/2019 04:30     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 91.0   |           | 70.0-130 |          | 07/21/2019 04:30     | <a href="#">WG1314920</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 18:17     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 110    |           | 77.0-126 |          | 07/21/2019 04:50     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 91.7   |           | 70.0-130 |          | 07/21/2019 04:50     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 18:33     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 07/21/2019 05:10     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 94.0   |           | 70.0-130 |          | 07/21/2019 05:10     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 18:50     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 107    |           | 77.0-126 |          | 07/21/2019 05:30     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 94.5   |           | 70.0-130 |          | 07/21/2019 05:30     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 19:06     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 1.09   |           | 1.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 110    |           | 77.0-126 |          | 07/21/2019 05:51     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 96.7   |           | 70.0-130 |          | 07/21/2019 05:51     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 19:22     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 104    |           | 80.0-120 |          | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 109    |           | 77.0-126 |          | 07/21/2019 06:12     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 93.8   |           | 70.0-130 |          | 07/21/2019 06:12     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 07/25/2019 19:39     | <a href="#">WG1317147</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 113    |           | 77.0-126 |          | 07/21/2019 06:32     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 93.4   |           | 70.0-130 |          | 07/21/2019 06:32     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| (S) Toluene-d8            | 105    |           | 80.0-120 |          | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| (S) 4-Bromofluorobenzene  | 111    |           | 77.0-126 |          | 07/21/2019 03:49     | <a href="#">WG1314920</a> |
| (S) 1,2-Dichloroethane-d4 | 91.5   |           | 70.0-130 |          | 07/21/2019 03:49     | <a href="#">WG1314920</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3434476-1 07/25/19 14:34

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | 250       | ↓            | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1120363-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1120363-01 07/25/19 15:33 • (DUP) R3434476-3 07/25/19 15:49

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 357        | 1        | 0.000   |               | 15             |

L1121169-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1121169-02 07/26/19 01:07 • (DUP) R3434476-6 07/26/19 01:23

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 465        | 1        | 0.000   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3434476-2 07/25/19 14:50

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39000      | 97.5     | 80.0-120    |               |

L1120363-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1120363-01 07/25/19 15:33 • (MS) R3434476-4 07/25/19 16:05 • (MSD) R3434476-5 07/25/19 16:22

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | ND              | 50300     | 50000      | 100     | 99.5     | 1        | 80.0-120    |              |               | 0.486 | 15         |

L1121169-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1121169-02 07/26/19 01:07 • (MS) R3434476-7 07/26/19 01:40

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Sulfate | 50000        | ND              | 50100     | 99.5    | 1        | 80.0-120    |              |



Method Blank (MB)

(MB) R3433370-3 07/20/19 21:23

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | 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     |
| o-Xylene                  | U         |              | 0.341  | 1.00     |
| m&p-Xylenes               | U         |              | 0.719  | 2.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 99.3      |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 93.3      |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 111       |              |        | 70.0-130 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

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

(LCS) R3433370-1 07/20/19 20:23 • (LCSD) R3433370-2 07/20/19 20:43

| 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                   | 25.0         | 27.8       | 27.9        | 111      | 111       | 70.0-130    |               |                | 0.0814 | 20         |
| Methyl tert-butyl ether   | 25.0         | 27.3       | 26.9        | 109      | 107       | 70.0-130    |               |                | 1.63   | 20         |
| Ethylbenzene              | 25.0         | 23.4       | 23.9        | 93.8     | 95.7      | 70.0-130    |               |                | 2.00   | 20         |
| Naphthalene               | 25.0         | 22.3       | 22.1        | 89.1     | 88.4      | 70.0-130    |               |                | 0.792  | 20         |
| o-Xylene                  | 25.0         | 23.9       | 24.3        | 95.7     | 97.3      | 70.0-130    |               |                | 1.63   | 20         |
| m&p-Xylenes               | 50.0         | 46.7       | 47.7        | 93.4     | 95.4      | 70.0-130    |               |                | 2.10   | 20         |
| Toluene                   | 25.0         | 23.0       | 23.1        | 91.9     | 92.4      | 70.0-130    |               |                | 0.570  | 20         |
| Xylenes, Total            | 75.0         | 70.6       | 72.0        | 94.1     | 96.0      | 70.0-130    |               |                | 1.96   | 20         |
| (S) Toluene-d8            |              |            |             | 89.5     | 91.1      | 80.0-120    |               |                |        |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 92.3     | 98.8      | 77.0-126    |               |                |        |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 118      | 122       | 70.0-130    |               |                |        |            |

L1120270-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1120270-05 07/21/19 00:03 • (MS) R3433370-4 07/21/19 04:23 • (MSD) R3433370-5 07/21/19 04:43

| 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       | %       | %        |          | %           |              |               | %    | %          |
| Benzene                 | 25.0         | U               | 29.5      | 29.1       | 118     | 116      | 1        | 17.0-158    |              |               | 1.33 | 27         |
| Methyl tert-butyl ether | 25.0         | U               | 26.7      | 27.3       | 107     | 109      | 1        | 28.0-150    |              |               | 2.27 | 29         |
| Ethylbenzene            | 25.0         | U               | 26.5      | 24.4       | 106     | 97.4     | 1        | 30.0-155    |              |               | 8.36 | 27         |
| Naphthalene             | 25.0         | U               | 24.4      | 23.4       | 97.7    | 93.5     | 1        | 12.0-156    |              |               | 4.33 | 35         |
| o-Xylene                | 25.0         | U               | 25.9      | 24.8       | 104     | 99.0     | 1        | 45.0-144    |              |               | 4.46 | 26         |



L1120270-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1120270-05 07/21/19 00:03 • (MS) R3433370-4 07/21/19 04:23 • (MSD) R3433370-5 07/21/19 04:43

| Analyte                   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| m&p-Xylenes               | 50.0                 | U                       | 52.1              | 49.4               | 104          | 98.8          | 1        | 43.0-146         |              |               | 5.30     | 26              |
| Toluene                   | 25.0                 | U                       | 24.8              | 23.0               | 99.1         | 92.1          | 1        | 26.0-154         |              |               | 7.37     | 28              |
| Xylenes, Total            | 75.0                 | U                       | 78.0              | 74.2               | 104          | 98.9          | 1        | 29.0-154         |              |               | 4.99     | 28              |
| (S) Toluene-d8            |                      |                         |                   |                    | 92.6         | 84.2          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                         |                   |                    | 94.8         | 88.9          |          | 77.0-126         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                         |                   |                    | 125          | 124           |          | 70.0-130         |              |               |          |                 |

L1120270-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1120270-14 07/21/19 03:03 • (MS) R3433370-6 07/21/19 05:03 • (MSD) R3433370-7 07/21/19 05:23

| Analyte                   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 25.0                 | U                       | 29.1              | 29.1               | 116          | 116           | 1        | 17.0-158         |              |               | 0.0850   | 27              |
| Methyl tert-butyl ether   | 25.0                 | U                       | 27.8              | 27.0               | 111          | 108           | 1        | 28.0-150         |              |               | 2.95     | 29              |
| Ethylbenzene              | 25.0                 | U                       | 27.2              | 27.9               | 109          | 112           | 1        | 30.0-155         |              |               | 2.39     | 27              |
| Naphthalene               | 25.0                 | U                       | 25.5              | 24.5               | 102          | 98.1          | 1        | 12.0-156         |              |               | 4.06     | 35              |
| o-Xylene                  | 25.0                 | U                       | 27.7              | 28.1               | 111          | 112           | 1        | 45.0-144         |              |               | 1.37     | 26              |
| m&p-Xylenes               | 50.0                 | U                       | 54.4              | 54.1               | 109          | 108           | 1        | 43.0-146         |              |               | 0.472    | 26              |
| Toluene                   | 25.0                 | U                       | 25.9              | 26.5               | 104          | 106           | 1        | 26.0-154         |              |               | 2.14     | 28              |
| Xylenes, Total            | 75.0                 | U                       | 82.1              | 82.2               | 109          | 110           | 1        | 29.0-154         |              |               | 0.122    | 28              |
| (S) Toluene-d8            |                      |                         |                   |                    | 91.7         | 95.3          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                         |                   |                    | 97.3         | 98.3          |          | 77.0-126         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                         |                   |                    | 122          | 124           |          | 70.0-130         |              |               |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3433695-3 07/21/19 03:28

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | 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     |
| o-Xylene                  | U         |              | 0.341  | 1.00     |
| m&p-Xylenes               | U         |              | 0.719  | 2.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 106       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 111       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 91.2      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3433695-1 07/21/19 02:27 • (LCSD) R3433695-2 07/21/19 02:47

| 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                   | 25.0         | 27.3       | 26.1        | 109      | 105       | 70.0-130    |               |                | 4.33 | 20         |
| Ethylbenzene              | 25.0         | 28.4       | 27.7        | 114      | 111       | 70.0-130    |               |                | 2.57 | 20         |
| Methyl tert-butyl ether   | 25.0         | 25.5       | 23.9        | 102      | 95.7      | 70.0-130    |               |                | 6.48 | 20         |
| Naphthalene               | 25.0         | 22.2       | 23.3        | 88.7     | 93.3      | 70.0-130    |               |                | 5.14 | 20         |
| o-Xylene                  | 25.0         | 28.1       | 27.2        | 112      | 109       | 70.0-130    |               |                | 3.36 | 20         |
| m&p-Xylenes               | 50.0         | 56.0       | 55.4        | 112      | 111       | 70.0-130    |               |                | 1.18 | 20         |
| Toluene                   | 25.0         | 25.2       | 24.6        | 101      | 98.5      | 70.0-130    |               |                | 2.18 | 20         |
| Xylenes, Total            | 75.0         | 84.1       | 82.6        | 112      | 110       | 70.0-130    |               |                | 1.80 | 20         |
| (S) Toluene-d8            |              |            |             | 96.8     | 96.3      | 80.0-120    |               |                |      |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 109      | 110       | 77.0-126    |               |                |      |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 99.9     | 97.1      | 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.  |
| 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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

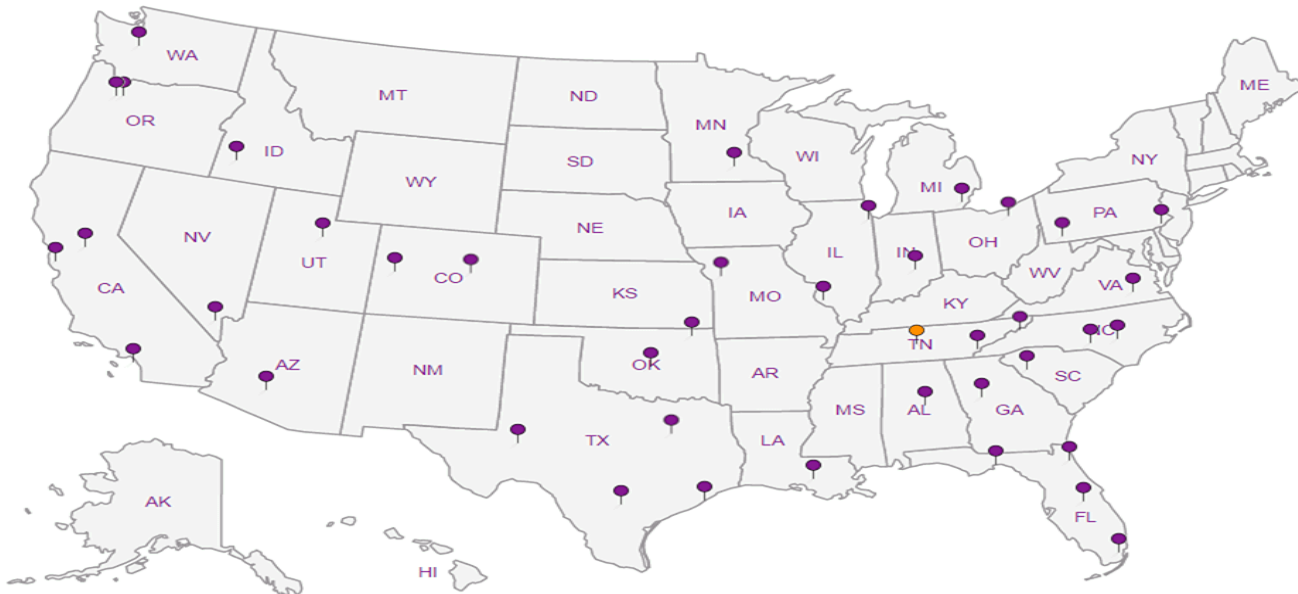
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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**

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

Billing Information:  
Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005  
Email To: bethany.garvey@jacobs.com;  
tom.wiley@jacobs.com

Pres  
Chk

Analysis / Container / Preservative



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



L# **L1120363**  
**A010**

Acctnum: **KINCH2MGA**  
Template: **T150983**  
Prelogin: **P711012**  
TSR: **526 - Chris McCord**  
PB: **5-29-196**  
Shipped Via: **FedEX Ground**

Project  
Description: **Lewis Drive Surface Water**

Client Project #  
**D3161400.B.PN.6EN.  
L DOM R. GW**

Site/Facility ID #  
**LEWIS DRIVE**

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

Immediately  
Packed on Ice N  Y

City/State  
Collected: **BELTON, SC**

Lab Project #  
**KINCH2MGA-LEWIS**

P.O. #

No. of  
Cntrs

V8260BTEXMNSC 40miAmb-HCl

| Sample ID               | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs |   |  |  |  |  |  |  |  |  |  |  |  | Remarks | Sample # (lab only) |
|-------------------------|-----------|----------|-------|----------|------|--------------|---|--|--|--|--|--|--|--|--|--|--|--|---------|---------------------|
| SW01- 071819            | GRAB      | GW       | NA    | 07/18/19 | 1335 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -01                 |
| SW02- 071819            | ↓         | GW       | ↓     |          | 1315 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -02                 |
| SW03- 071819            | ↓         | GW       | ↓     | ↓        | 1425 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -03                 |
| SW04- 071819            | ↓         | GW       | ↓     | ↓        | 1305 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -04                 |
| <del>SW05- 071819</del> |           | GW       |       |          |      | 3            | X |  |  |  |  |  |  |  |  |  |  |  |         |                     |
| <del>SW06- 071819</del> |           | GW       |       |          |      | 3            | X |  |  |  |  |  |  |  |  |  |  |  |         |                     |
| <del>SW07- 071819</del> |           | GW       |       |          |      | 3            | X |  |  |  |  |  |  |  |  |  |  |  |         |                     |
| SW08- 071819            | GRAB      | GW       | NA    | 07/18/19 | 1120 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -05                 |
| SW09- 071819            | ↓         | GW       | ↓     | ↓        | 1110 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -06                 |
| SW10- 071819            | ↓         | GW       | ↓     | ↓        | 1055 | 34           | X |  |  |  |  |  |  |  |  |  |  |  |         | -07                 |

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

Remarks:

Samples returned via:  
 UPS  FedEx  Courier

Tracking #

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Trip Blank Received:  Yes  No  
HCl / MeOH  
TBR

Temp: \_\_\_\_\_ °C Bottles Received: \_\_\_\_\_

2.6 to 2.6 IAO = 39 + 73

Sample Receipt Checklist

|                               |  |
|-------------------------------|--|
| COC Seal Present/Intact:      | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| COC Signed/Accurate:          | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Bottles arrive intact:        | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Correct bottles used:         | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Sufficient volume sent:       | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| If Applicable                 |  |
| VOA Zero HeadSpace:           | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Preservation Correct/Checked: | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |

|  |                |            |   |   |   |
|--|----------------|------------|---|---|---|
| Relinquished by: (Signature)<br><i>[Signature]</i> | Date: 07/18/19 | Time: 1900 | Received by: (Signature)                            | Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>HCl / MeOH<br>TBR | If preservation required by Login: Date/Time            |
| Relinquished by: (Signature)                       | Date:          | Time:      | Received by: (Signature)                            | Temp: _____ °C Bottles Received: _____  |   |
| Relinquished by: (Signature)                       | Date:          | Time:      | Received for lab by: (Signature)<br><i>Merik T.</i> | Date: 7/19 Time: 8:45   | Condition: NCF / <input checked="" type="checkbox"/> OK |

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

### Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

### Analysis / Container / Preservative



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



L# **L1120363**  
Table # **L**  
Acctnum: **KINCH2MGA**  
Template: **T150983**  
Prelogin: **P711012**  
TSR: **526 - Chris McCord**  
PB: **5-29-196m**  
Shipped Via: **FedEX Ground**

Project Description: **Lewis Drive Surface Water**

City/State Collected: **BELTON, SC**

Client Project # **03161400-B.PN.6EN.** Lab Project # **KINCH2MGA-LEWIS**  
Site/Facility ID # **L DOMR. GW**

Collected by (print): **MELISSA WARRER** P.O. #  
Collected by (signature): *Melissa Warrer* Quote #

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

Immediately Packed on Ice N  Y

Date Results Needed

| Sample ID   | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | Analysis / Container / Preservative | Remarks | Sample # (lab only) |
|-------------|-----------|----------|-------|----------|------|--------------|-------------------------------------|---------|---------------------|
| SW11-071819 | GRAB      | GW       | NA    | 07/18/19 | 1040 | 3            | X                                   |         | -08                 |
| SW12-071819 | ↓         | GW       | ↓     | ↓        | 1400 | 3            | X                                   |         | -09                 |
| SW13-071819 | ↓         | GW       | ↓     | ↓        | 1325 | 3            | X                                   |         | -10                 |
| SW14-071819 | ↓         | GW       | ↓     | ↓        | 1445 | 3            | X                                   |         | -11                 |
| TB02-071819 | ↓         | GW       | ↓     | ↓        | 1000 | 3            | X                                   |         | -12                 |

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

Remarks: **TRIP BLANK**

Samples returned via:  UPS  FedEx  Courier

Tracking #

Relinquished by: (Signature) *Melissa Warrer* Date: 07/18/19 Time: 1900

Received by: (Signature) Trip Blank Received:  Yes  No  
HCL/MeOH TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: 25.50 ± 0.26 °C Bottles Received: 39 + TB

Received for lab by: (Signature) *Melissa Warrer* Date: 7/19 Time: 8:45

Condition: NCF / OK

Sample Receipt Checklist:  
 COC Seal Present/Intact:  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



|                  |                   |               |                            |
|------------------|-------------------|---------------|----------------------------|
| Login #:L1120363 | Client: KINCH2MGA | Date: 7/19/19 | Evaluated by: Brock Fariss |
|------------------|-------------------|---------------|----------------------------|

**Non-Conformance (check applicable items)**

| Sample Integrity               | Chain of Custody Clarification                   |  |
|--------------------------------|--|--|
| Parameter(s) past holding time | Login Clarification Needed                       | <b>If Broken Container:</b>                        |
| Temperature not in range       | Chain of custody is incomplete                   | Insufficient packing material around container     |
| Improper container type        | Please specify Metals requested.                 | Insufficient packing material inside cooler        |
| pH not in range.               | Please specify TCLP requested.                   | Improper handling by carrier (FedEx / UPS / Courie |
| Insufficient sample volume.    | x Received additional samples not listed on coc. | Sample was frozen                                  |
| Sample is biphasic.            | Sample ids on containers do not match ids on coc | Container lid not intact                           |
| Vials received with headspace. | Trip Blank not received.                         | <b>If no Chain of Custody:</b>                     |
| Broken container               | Client did not "X" analysis.                     | Received by:                                       |
| Broken container:              | Chain of Custody is missing                      | Date/Time:   |
| Sufficient sample remains      |  | Temp./Cont. Rec./pH:                               |
|                                |  | Carrier:   |
|                                |  | Tracking#  |

**Login Comments: Received ID MW-37-071819 w/ date 7/18/19 and time 0945 and ID MW-38-071819 w/ same date and time 1110**

|                     |                 |       |            |       |       |
|---------------------|-----------------|-------|------------|-------|-------|
| Client informed by: | Call            | Email | Voice Mail | Date: | Time: |
| TSR Initials:       | Client Contact: |       |            |       |       |

**Login Instructions:**

Enter MW-37-071819 and MW-38-071819 into a separate SDG using the attached COC



|                  |                   |             |                        |
|------------------|-------------------|-------------|------------------------|
| Login #: 1120363 | Client: KINCH2MGA | Date: 07/19 | Evaluated by: Kelsey S |
|------------------|-------------------|-------------|------------------------|

**Non-Conformance (check applicable items)**

| Sample Integrity               | Chain of Custody Clarification                   |  |
|--------------------------------|--|--|
| Parameter(s) past holding time | Login Clarification Needed                       | <b>If Broken Container:</b>                          |
| Temperature not in range       | Chain of custody is incomplete                   | Insufficient packing material around container       |
| Improper container type        | Please specify Metals requested.                 | Insufficient packing material inside cooler          |
| pH not in range.               | Please specify TCLP requested.                   | Improper handling by carrier (FedEx / UPS / Courier) |
| Insufficient sample volume.    | Received additional samples not listed on coc.   | Sample was frozen                                    |
| Sample is biphasic.            | Sample ids on containers do not match ids on coc | Container lid not intact                             |
| Vials received with headspace. | Trip Blank not received.                         | <b>If no Chain of Custody:</b>                       |
| Broken container               | Client did not "X" analysis.                     | Received by: Lexxi R                                 |
| Broken container:              | Chain of Custody is missing                      | Date/Time: 07/19/19 0845                             |
| Sufficient sample remains      |  | Temp./Cont. Rec./pH: 2.2/ 13                         |
|                                |  | Carrier: Fedex                                       |
|                                |  | Tracking# 4686 6469 1326                             |

**Login Comments: Project: Lewis Drive Groundwater Project #: KINCH2MGA-LEWIS12 AND Project: Lewis Drive Surface Water**

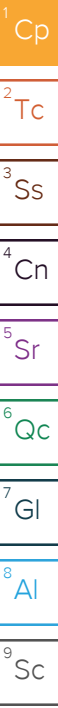
**Received 1 250ml-nopres per id**

Please see attached list written by unpacker for IDs and times.

|                     |                                |       |   |            |               |            |
|---------------------|--------------------------------|-------|---|------------|---------------|------------|
| Client informed by: | Call                           | Email | X | Voice Mail | Date: 7/24/19 | Time: 1235 |
| TSR Initials: JCR   | Client Contact: Bethany Garvey |       |   |            |               |            |

**Login Instructions:**

These should have arrived yesterday, 07/23. Please add containers and SULFATE analysis to L1120363-01 thru -11 and L1121169-01/-02



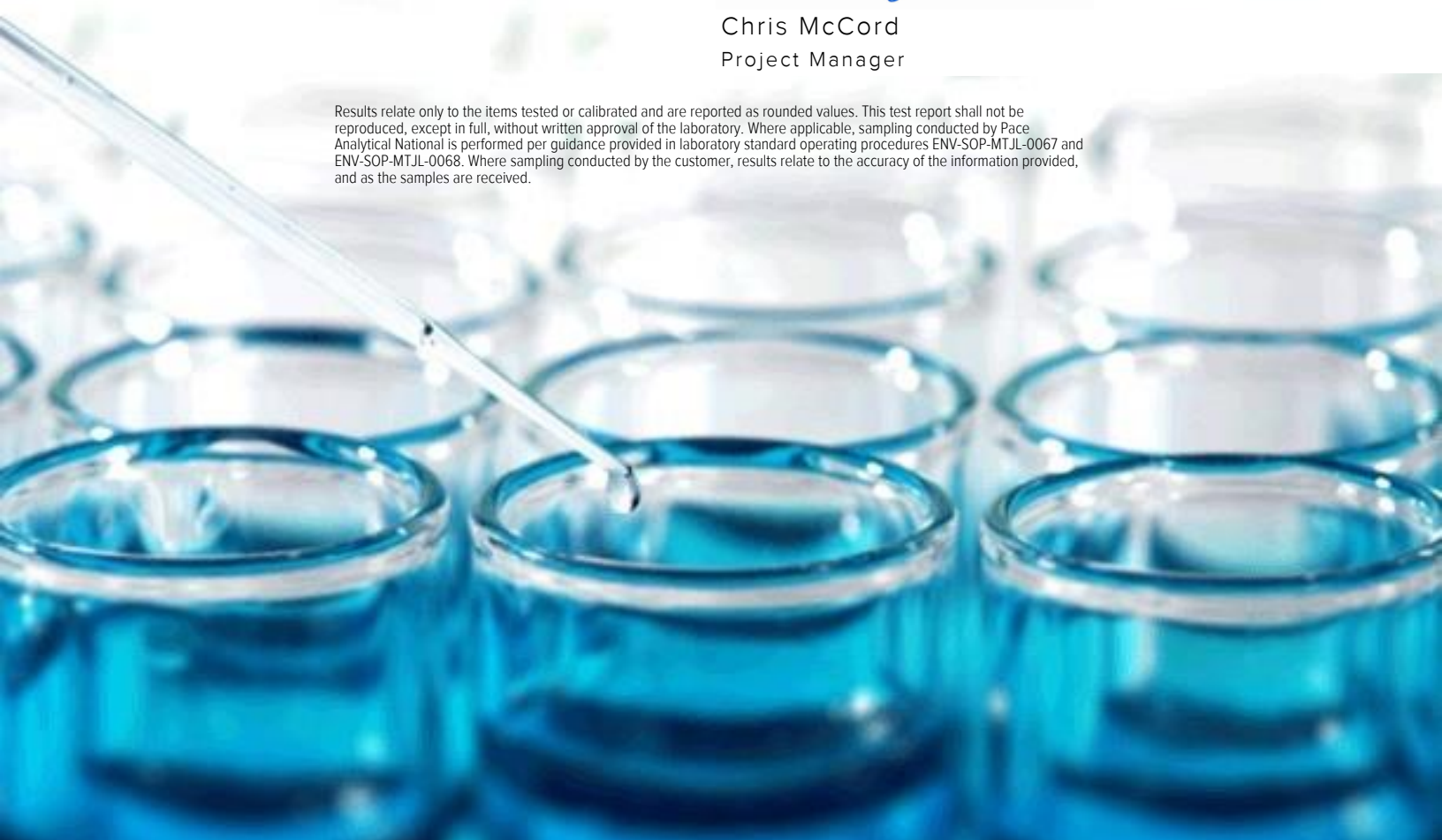
## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1131276  
Samples Received: 08/21/2019  
Project Number: D3161400  
Description: Lewis Drive Site Surface water event  
Site: LEWIS DR  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

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.





|  |           |             |
|--|-----------|-------------|
| <b>Cp: Cover Page</b>                              | <b>1</b>  | <b>1</b> Cp |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |             |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  | <b>2</b> Tc |
| <b>Cn: Case Narrative</b>                          | <b>5</b>  |             |
| <b>Sr: Sample Results</b>                          | <b>6</b>  | <b>3</b> Ss |
| SW11-082019 L1131276-01                            | <b>6</b>  |             |
| SW10-082019 L1131276-02                            | <b>7</b>  | <b>4</b> Cn |
| SW09-082019 L1131276-03                            | <b>8</b>  | <b>5</b> Sr |
| SW08-082019 L1131276-04                            | <b>9</b>  |             |
| SW13-082019 L1131276-05                            | <b>10</b> | <b>6</b> Qc |
| SW04-082019 L1131276-06                            | <b>11</b> |             |
| SW02-082019 L1131276-07                            | <b>12</b> | <b>7</b> Gl |
| SW01-082019 L1131276-08                            | <b>13</b> | <b>8</b> Al |
| SW03-082019 L1131276-09                            | <b>14</b> |             |
| SW14-082019 L1131276-10                            | <b>15</b> | <b>9</b> Sc |
| <b>Qc: Quality Control Summary</b>                 | <b>16</b> |             |
| Wet Chemistry by Method 9056A                      | <b>16</b> |             |
| Volatile Organic Compounds (GC/MS) by Method 8260B | <b>18</b> |             |
| <b>Gl: Glossary of Terms</b>                       | <b>19</b> |             |
| <b>Al: Accreditations &amp; Locations</b>          | <b>20</b> |             |
| <b>Sc: Sample Chain of Custody</b>                 | <b>21</b> |             |

# SAMPLE SUMMARY



## SW11-082019 L1131276-01 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 09:35  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 10:11        | 08/25/19 10:11     | JHH     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

## SW10-082019 L1131276-02 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 09:45  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 10:31        | 08/25/19 10:31     | JHH     | Mt. Juliet, TN |

4 Cn

5 Sr

## SW09-082019 L1131276-03 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 10:00  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 10:51        | 08/25/19 10:51     | JHH     | Mt. Juliet, TN |

6 Qc

7 Gl

## SW08-082019 L1131276-04 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 10:05  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 11:11        | 08/25/19 11:11     | JHH     | Mt. Juliet, TN |

8 Al

9 Sc

## SW13-082019 L1131276-05 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 10:20  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 12:09        | 08/22/19 12:09     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 11:31        | 08/25/19 11:31     | JHH     | Mt. Juliet, TN |

## SW04-082019 L1131276-06 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 11:05  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 12:26        | 08/22/19 12:26     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 11:51        | 08/25/19 11:51     | JHH     | Mt. Juliet, TN |

## SW02-082019 L1131276-07 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 11:15  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 12:42        | 08/22/19 12:42     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 12:10        | 08/25/19 12:10     | JHH     | Mt. Juliet, TN |

## SW01-082019 L1131276-08 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 15:20  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 13:32        | 08/22/19 13:32     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 12:29        | 08/25/19 12:29     | JHH     | Mt. Juliet, TN |



# SAMPLE SUMMARY



## SW03-082019 L1131276-09 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 15:55  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 12:49        | 08/25/19 12:49     | JHH     | Mt. Juliet, TN |

1 Cp

2 Tc

## SW14-082019 L1131276-10 GW

Collected by: Melissa Warren  
 Collected date/time: 08/20/19 16:05  
 Received date/time: 08/21/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1332945 | 1        | 08/22/19 13:48        | 08/22/19 13:48     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1334544 | 1        | 08/25/19 13:09        | 08/25/19 13:09     | JHH     | Mt. Juliet, TN |

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 97.5   |           | 77.0-126 |          | 08/25/2019 10:11     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 104    |           | 70.0-130 |          | 08/25/2019 10:11     | <a href="#">WG1334544</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 113    |           | 80.0-120 |          | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 96.1   |           | 77.0-126 |          | 08/25/2019 10:31     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 08/25/2019 10:31     | <a href="#">WG1334544</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 95.0   |           | 77.0-126 |          | 08/25/2019 10:51     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 08/25/2019 10:51     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 111    |           | 80.0-120 |          | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 97.1   |           | 77.0-126 |          | 08/25/2019 11:11     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 106    |           | 70.0-130 |          | 08/25/2019 11:11     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 12:09     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 113    |           | 80.0-120 |          | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 97.1   |           | 77.0-126 |          | 08/25/2019 11:31     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 106    |           | 70.0-130 |          | 08/25/2019 11:31     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 12:26     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 113    |           | 80.0-120 |          | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 99.9   |           | 77.0-126 |          | 08/25/2019 11:51     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 106    |           | 70.0-130 |          | 08/25/2019 11:51     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 12:42     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | 1.35   |           | 1.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 114    |           | 80.0-120 |          | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 101    |           | 77.0-126 |          | 08/25/2019 12:10     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 110    |           | 70.0-130 |          | 08/25/2019 12:10     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 13:32     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | 1.31   |           | 1.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 112    |           | 80.0-120 |          | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 99.7   |           | 77.0-126 |          | 08/25/2019 12:29     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 08/25/2019 12:29     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 113    |           | 80.0-120 |          | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 99.5   |           | 77.0-126 |          | 08/25/2019 12:49     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 107    |           | 70.0-130 |          | 08/25/2019 12:49     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 08/22/2019 13:48     | <a href="#">WG1332945</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| (S) Toluene-d8            | 110    |           | 80.0-120 |          | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| (S) 4-Bromofluorobenzene  | 97.1   |           | 77.0-126 |          | 08/25/2019 13:09     | <a href="#">WG1334544</a> |
| (S) 1,2-Dichloroethane-d4 | 111    |           | 70.0-130 |          | 08/25/2019 13:09     | <a href="#">WG1334544</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3443434-1 08/22/19 08:27

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1131208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1131208-01 08/22/19 11:20 • (DUP) R3443434-3 08/22/19 11:37

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 730        | 1        | 0.000   |               | 15             |

L1131383-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1131383-04 08/22/19 18:43 • (DUP) R3443434-10 08/22/19 19:00

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 1870000         | 1870000    | 1        | 0.0774  | E             | 15             |

Laboratory Control Sample (LCS)

(LCS) R3443434-2 08/22/19 08:44

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39200      | 98.0     | 80.0-120    |               |

L1131379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131379-02 08/22/19 14:21 • (MS) R3443434-4 08/22/19 14:37 • (MSD) R3443434-5 08/22/19 14:54

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | 20700           | 71400     | 70800      | 101     | 100      | 1        | 80.0-120    |              |               | 0.859 | 15         |

L1131379-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131379-04 08/22/19 15:26 • (MS) R3443434-6 08/22/19 15:43 • (MSD) R3443434-7 08/22/19 15:59

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD    | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|--------|------------|
| Sulfate | 50000        | 176000          | 221000    | 221000     | 89.9    | 90.2     | 1        | 80.0-120    | E            | E             | 0.0595 | 15         |



L1131383-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131383-03 08/22/19 17:54 • (MS) R3443434-8 08/22/19 18:11 • (MSD) R3443434-9 08/22/19 18:27

| Analyte | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Sulfate | 50000                | 1860000                 | 1850000           | 1850000            | 0.000        | 0.000         | 1        | 80.0-120         | <u>EV</u>    | <u>EV</u>     | 0.0663   | 15              |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3444489-3 08/25/19 05:49

| Analyte                          | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------------|-----------|--------------|--------|----------|
|                                  | ug/l      |              | ug/l   | 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     |
| o-Xylene                         | U         |              | 0.341  | 1.00     |
| m&p-Xylenes                      | U         |              | 0.719  | 2.00     |
| Xylenes, Total                   | U         |              | 1.06   | 3.00     |
| <i>(S) Toluene-d8</i>            | 111       |              |        | 80.0-120 |
| <i>(S) 4-Bromofluorobenzene</i>  | 97.5      |              |        | 77.0-126 |
| <i>(S) 1,2-Dichloroethane-d4</i> | 99.2      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3444489-1 08/25/19 04:49 • (LCSD) R3444489-2 08/25/19 05:09

| 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                          | 25.0         | 23.2       | 22.8        | 92.7     | 91.3      | 70.0-130    |               |                | 1.54  | 20         |
| Ethylbenzene                     | 25.0         | 28.2       | 27.9        | 113      | 111       | 70.0-130    |               |                | 1.19  | 20         |
| Methyl tert-butyl ether          | 25.0         | 21.4       | 21.3        | 85.5     | 85.3      | 70.0-130    |               |                | 0.242 | 20         |
| Naphthalene                      | 25.0         | 21.3       | 21.8        | 85.3     | 87.1      | 70.0-130    |               |                | 2.11  | 20         |
| o-Xylene                         | 25.0         | 26.2       | 26.4        | 105      | 105       | 70.0-130    |               |                | 0.470 | 20         |
| m&p-Xylenes                      | 50.0         | 54.2       | 54.7        | 108      | 109       | 70.0-130    |               |                | 0.905 | 20         |
| Toluene                          | 25.0         | 25.6       | 25.5        | 102      | 102       | 70.0-130    |               |                | 0.419 | 20         |
| Xylenes, Total                   | 75.0         | 80.4       | 81.1        | 107      | 108       | 70.0-130    |               |                | 0.867 | 20         |
| <i>(S) Toluene-d8</i>            |              |            |             | 111      | 113       | 80.0-120    |               |                |       |            |
| <i>(S) 4-Bromofluorobenzene</i>  |              |            |             | 98.5     | 97.6      | 77.0-126    |               |                |       |            |
| <i>(S) 1,2-Dichloroethane-d4</i> |              |            |             | 105      | 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   |
|-----------|---|
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.   |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

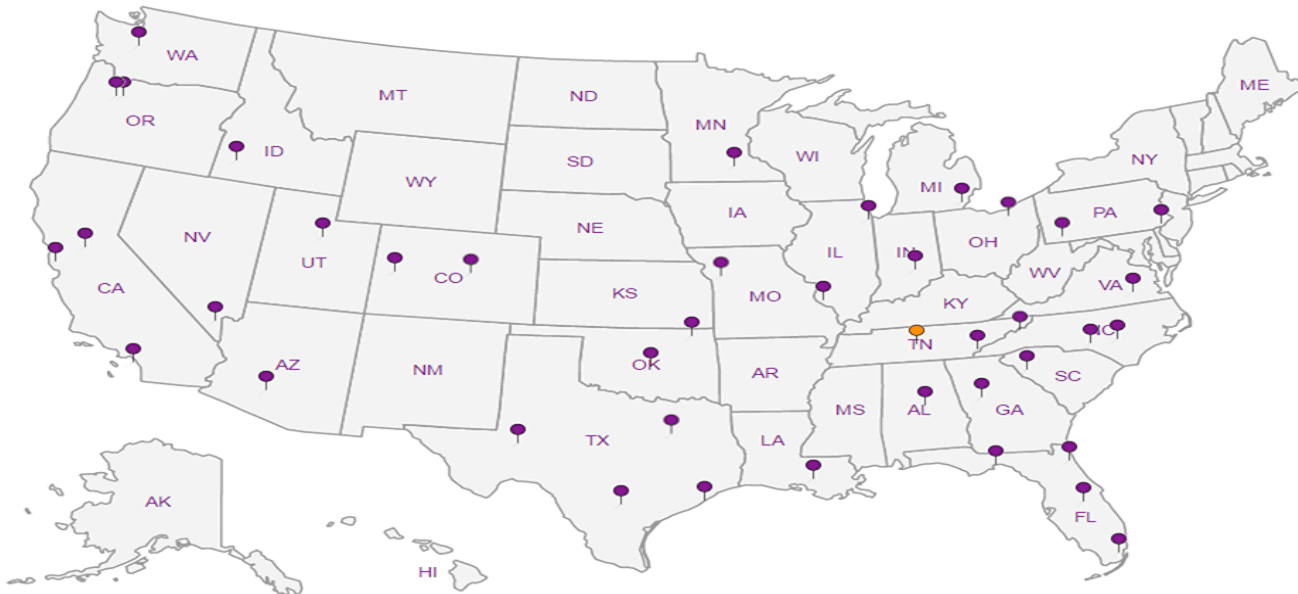
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

### Billing Information:

Accounts Payable  
1000 Windward Concourse  
Ste 450  
Alpharetta, GA 30005

Email To: [bethany.garvey@jacobs.com](mailto:bethany.garvey@jacobs.com);  
[tom.wiley@jacobs.com](mailto:tom.wiley@jacobs.com)

Pres  
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



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



Project  
Description: **Lewis Drive Site Surface water**

City/State  
Collected: **Belton, SC**

Please Circle:  
PT MT CT ET

Phone: 770-604-9182  
Fax:

Client Project #  
**D3161400**

Lab Project #  
**KINCH2MGA-LEWIS**

Collected by (print):  
**Melissa Wamen**

Site/Facility ID #  
**Lewis, Dr.**

P.O. #

Collected by (signature):

**Rush?** (Lab MUST Be Notified)

Quote #

Same Day \_\_\_\_\_ Five Day \_\_\_\_\_  
Next Day \_\_\_\_\_ 5 Day (Rad Only) \_\_\_\_\_  
Two Day \_\_\_\_\_ 10 Day (Rad Only) \_\_\_\_\_  
Three Day \_\_\_\_\_

Date Results Needed

Immediately  
Packed on Ice N \_\_\_ Y **X**

No.  
of  
Cnts

| Sample ID          | Comp/Grab   | Matrix *  | Depth    | Date           | Time        | No. of Cnts |          |  |  |  |  |  |  |  |  |  |  |               |
|--------------------|-------------|-----------|----------|----------------|-------------|-------------|----------|--|--|--|--|--|--|--|--|--|--|---------------|
|                    |             | <b>SW</b> |          | <b>8/20/19</b> |             |             |          |  |  |  |  |  |  |  |  |  |  |               |
| <b>SW11-082019</b> | <b>Grab</b> | <b>GW</b> | <b>-</b> | <b>8/20/19</b> | <b>0935</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-01</b>    |
| <b>SW10-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>0945</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-02</b>    |
| <b>SW09-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1000</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-03</b>    |
| <b>SW08-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1005</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-04</b>    |
| <b>SW13-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1020</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-05</b>    |
| <b>SW04-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1105</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-06</b>    |
| <b>SW02-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1115</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-07</b>    |
| <b>SW01-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1520</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-08</b>    |
| <b>SW12-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1545</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-09</b>    |
| <b>SW03-082019</b> |             | <b>GW</b> | <b>-</b> |                | <b>1555</b> | <b>3</b>    | <b>X</b> |  |  |  |  |  |  |  |  |  |  | <b>-09-10</b> |

V8260BTEXNSC 40ml Amb-HCl  
BTEX+MTBE+Naph

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

Remarks: **V8260BTEXNSC=BTEX + Naphthalene + MTBE**

**TD**

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
\_\_\_ UPS \_\_\_ FedEx **X** Courier

Tracking # **108259988092**

### 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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **13.8F** °C  
**1.5 + .3 = 1.8**

Bottles Received: **35**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

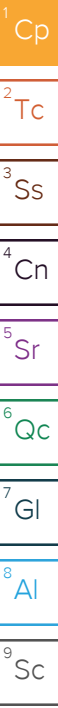
Hold:

Condition:

NCF **100**



August 30, 2019



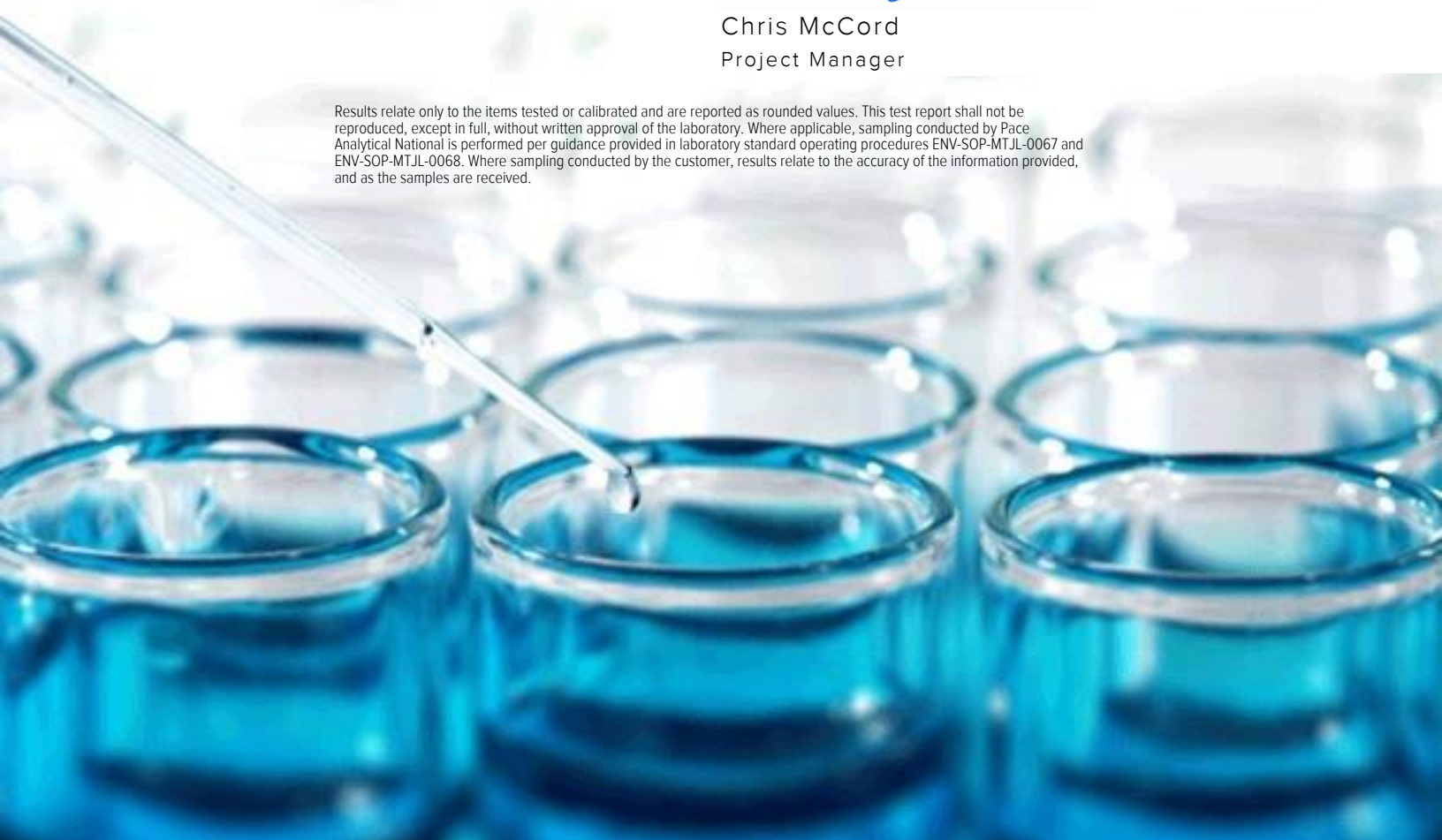
## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1132161  
Samples Received: 08/23/2019  
Project Number: D3161400  
Description: Lewis Drive Site Surface water event  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

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.





|   |          |   |
|---|----------|---|
| <b>Cp: Cover Page</b>                                     | <b>1</b> |  |
| <b>Tc: Table of Contents</b>                              | <b>2</b> |  |
| <b>Ss: Sample Summary</b>                                 | <b>3</b> |  |
| <b>Cn: Case Narrative</b>                                 | <b>4</b> |  |
| <b>Sr: Sample Results</b>                                 | <b>5</b> |  |
| <b>SW12-082219 L1132161-01</b>                            | <b>5</b> |  |
| <b>Qc: Quality Control Summary</b>                        | <b>6</b> |  |
| <b>Volatile Organic Compounds (GC/MS) by Method 8260B</b> | <b>6</b> |  |
| <b>Gl: Glossary of Terms</b>                              | <b>7</b> |  |
| <b>Al: Accreditations &amp; Locations</b>                 | <b>8</b> |  |
| <b>Sc: Sample Chain of Custody</b>                        | <b>9</b> |  |

# SAMPLE SUMMARY



SW12-082219 L1132161-01 GW

Collected by: Tyler L. Hall  
 Collected date/time: 08/22/19 11:10  
 Received date/time: 08/23/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1337483 | 1        | 08/30/19 02:41        | 08/30/19 02:41     | ADM     | Mt. Juliet, TN |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



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

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | 3.33   |           | 1.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| Xylenes, Total            | ND     |           | 3.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| (S) Toluene-d8            | 103    |           | 80.0-120 |          | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| (S) 4-Bromofluorobenzene  | 98.9   |           | 77.0-126 |          | 08/30/2019 02:41     | <a href="#">WG1337483</a> |
| (S) 1,2-Dichloroethane-d4 | 101    |           | 70.0-130 |          | 08/30/2019 02:41     | <a href="#">WG1337483</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Method Blank (MB)

(MB) R3446071-2 08/29/19 23:23

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | 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     |
| o-Xylene                  | U         |              | 0.341  | 1.00     |
| m&p-Xylenes               | U         |              | 0.719  | 2.00     |
| Xylenes, Total            | U         |              | 1.06   | 3.00     |
| (S) Toluene-d8            | 100       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 101       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 106       |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3446071-1 08/29/19 22:42

| Analyte                   | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------------|--------------|------------|----------|-------------|---------------|
|                           | ug/l         | ug/l       | %        | %           |               |
| Benzene                   | 25.0         | 21.3       | 85.2     | 70.0-130    |               |
| Ethylbenzene              | 25.0         | 21.1       | 84.4     | 70.0-130    |               |
| Methyl tert-butyl ether   | 25.0         | 25.4       | 102      | 70.0-130    |               |
| Naphthalene               | 25.0         | 20.2       | 80.7     | 70.0-130    |               |
| o-Xylene                  | 25.0         | 22.1       | 88.6     | 70.0-130    |               |
| m&p-Xylenes               | 50.0         | 43.8       | 87.5     | 70.0-130    |               |
| Toluene                   | 25.0         | 20.4       | 81.5     | 70.0-130    |               |
| Xylenes, Total            | 75.0         | 65.9       | 87.9     | 70.0-130    |               |
| (S) Toluene-d8            |              |            | 101      | 80.0-120    |               |
| (S) 4-Bromofluorobenzene  |              |            | 99.9     | 77.0-126    |               |
| (S) 1,2-Dichloroethane-d4 |              |            | 113      | 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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

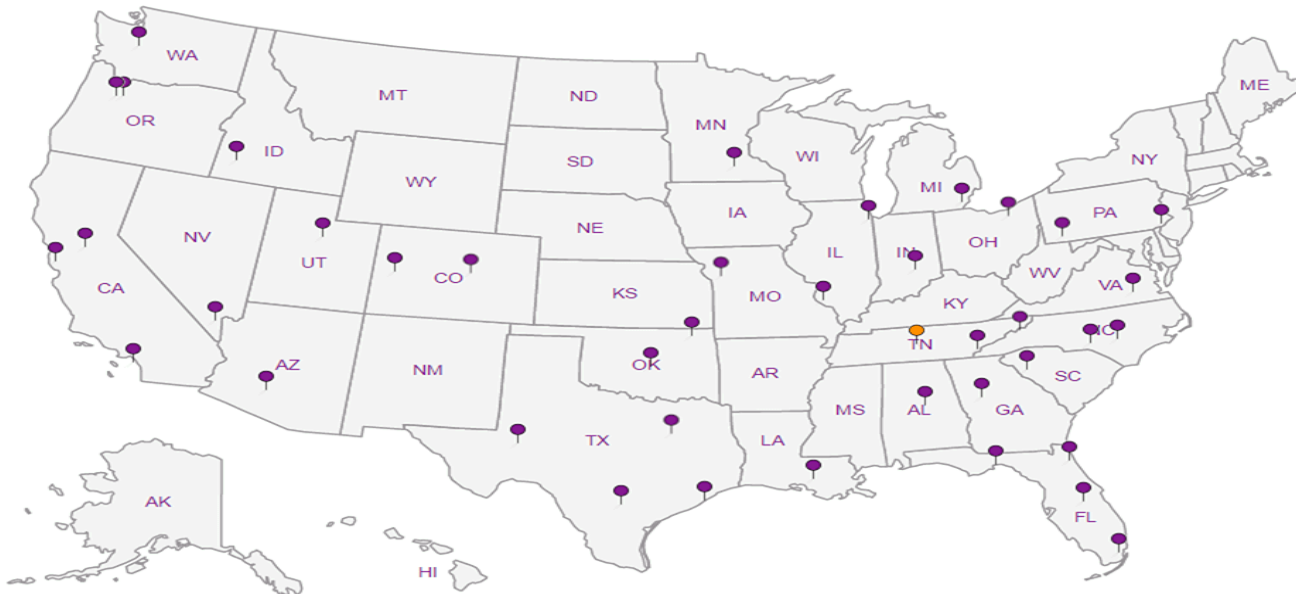
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta GA 30328

Report to:  
**Bethany Garvey**

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

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

Project Description: **Lewis Drive Site Surface water**  
City/State Collected: **Bullton, SC**  
Please Circle: PT MT CT ET

Phone: **770-604-9182**  
Client Project #: **D3161400**  
Lab Project #: **KINCH2MGA-LEWIS**

Collected by (print): **Tyler Hall**  
Site/Facility ID #: **Lewis Drive**  
P.O. #

Collected by (signature):  
**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  
Immediately  
Packed on Ice N \_\_\_ Y **X**

| Sample ID          | Comp/Grab   | Matrix *                   | Depth    | Date           | Time        | No. of Cntrs |
|--------------------|-------------|----------------------------|----------|----------------|-------------|--------------|
| <b>SN12-082219</b> | <b>Grab</b> | <b>SW</b><br><del>GW</del> | <b>—</b> | <b>8-22-19</b> | <b>1110</b> | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |
|                    |             | <b>GW</b>                  |          |                |             | <b>3</b>     |

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

Remarks: **V8260BTEXNSC=BTEX + Naphthalene + MTBE**

Samples returned via: \_\_\_ UPS \_\_\_ FedEx **X** Courier  
Tracking #

Relinquished by: (Signature) **Bethany Garvey**  
Date: **8-22-19** Time: **1730**  
Received by: (Signature) Trip Blank Received: Yes  No   
HCL/MeOH TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: **AIR 6°C** Bottles Received: **3**  
**1.4±0=1.4**

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) **KAW** Date: **08/28** Time: **8:45** Hold: Condition: **NCF / OK**

| Analysis / Container / Preservative | Chain of Custody |
|-------------------------------------|------------------|
| HCL                                 | Page 1 of 1      |
| V8260BTEXNSC 40ml/Amb-HCL           |                  |

**Face 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 # **1132161**  
**A055**

Acctnum: **KINCH2MGA**  
Template: **T120701**  
Prelogin: **P724309**  
PM: **526 - Chris McCord**  
PB: **813-196**

Shipped Via: **FedEX Standard**

Remarks Sample # (lab only)

**Sample Receipt Checklist**

|                               |    |                                       |                            |
|-------------------------------|----|---------------------------------------|----------------------------|
| COC Seal Present/Intact:      | NP | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| COC Signed/Accurate:          |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| Bottles arrive intact:        |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| Correct bottles used:         |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| Sufficient volume sent:       |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| If Applicable                 |    |                                       |                            |
| VOA Zero Headspace:           |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| Preservation Correct/Checked: |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |
| RAD Screen <0.5 mR/hr:        |    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |

September 26, 2019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1141137  
Samples Received: 09/19/2019  
Project Number: D3161400  
Description: Lewis Drive Surface Water  
Site: LEWIS DRIVE  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 500  
Atlanta, GA 30328

Entire Report Reviewed By:












Jason Romer  
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.





|  |           |   |
|--|-----------|---|
| <b>Cp: Cover Page</b>                              | <b>1</b>  |  |
| <b>Tc: Table of Contents</b>                       | <b>2</b>  |   |
| <b>Ss: Sample Summary</b>                          | <b>3</b>  |  |
| <b>Cn: Case Narrative</b>                          | <b>5</b>  |   |
| <b>Sr: Sample Results</b>                          | <b>6</b>  |  |
| SW09-091819 L1141137-02                            | 6         |   |
| SW11-091819 L1141137-03                            | 7         |  |
| SW10-091819 L1141137-04                            | 8         |  |
| SW08-091819 L1141137-05                            | 9         |   |
| SW04-091819 L1141137-06                            | 10        |  |
| SW02-091819 L1141137-07                            | 11        |   |
| SW01-091819 L1141137-08                            | 12        |  |
| SW12-091819 L1141137-09                            | 13        |  |
| SW14-091819 L1141137-10                            | 14        |   |
| TB03-091819 L1141137-11                            | 15        |  |
| <b>Qc: Quality Control Summary</b>                 | <b>16</b> |   |
| Wet Chemistry by Method 9056A                      | 16        |   |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 17        |   |
| <b>Gl: Glossary of Terms</b>                       | <b>18</b> |   |
| <b>Al: Accreditations &amp; Locations</b>          | <b>19</b> |   |
| <b>Sc: Sample Chain of Custody</b>                 | <b>20</b> |   |

# SAMPLE SUMMARY



## SW09-091819 L1141137-02 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 14:50  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 06:33        | 09/24/19 06:33     | JCP     | Mt. Juliet, TN |

1 Cp

2 Tc

## SW11-091819 L1141137-03 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 14:30  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 06:54        | 09/24/19 06:54     | JCP     | Mt. Juliet, TN |

3 Ss

4 Cn

5 Sr

## SW10-091819 L1141137-04 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 14:40  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 07:15        | 09/24/19 07:15     | JCP     | Mt. Juliet, TN |

6 Qc

7 Gl

8 Al

## SW08-091819 L1141137-05 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 15:00  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 07:36        | 09/24/19 07:36     | JCP     | Mt. Juliet, TN |

9 Sc

## SW04-091819 L1141137-06 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 15:55  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1349279 | 1        | 09/20/19 15:43        | 09/20/19 15:43     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 07:57        | 09/24/19 07:57     | JCP     | Mt. Juliet, TN |

## SW02-091819 L1141137-07 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 16:05  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1349279 | 1        | 09/20/19 17:12        | 09/20/19 17:12     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 08:18        | 09/24/19 08:18     | JCP     | Mt. Juliet, TN |

## SW01-091819 L1141137-08 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 16:25  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1349279 | 1        | 09/20/19 17:27        | 09/20/19 17:27     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 08:39        | 09/24/19 08:39     | JCP     | Mt. Juliet, TN |

## SW12-091819 L1141137-09 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 16:50  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1349279 | 1        | 09/20/19 17:42        | 09/20/19 17:42     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 09:00        | 09/24/19 09:00     | JCP     | Mt. Juliet, TN |

# SAMPLE SUMMARY



SW14-091819 L1141137-10 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 17:25  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9056A                      | WG1349279 | 1        | 09/20/19 17:57        | 09/20/19 17:57     | LDC     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 09:20        | 09/24/19 09:20     | JCP     | Mt. Juliet, TN |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

TB03-091819 L1141137-11 GW

Collected by: Melissa Warren  
 Collected date/time: 09/18/19 00:00  
 Received date/time: 09/19/19 08:45

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1350818 | 1        | 09/24/19 05:31        | 09/24/19 05:31     | JCP     | Mt. Juliet, TN |

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





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.

Jason Romer  
Project Manager

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 109    |           | 77.0-126 |          | 09/24/2019 06:33     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 88.4   |           | 70.0-130 |          | 09/24/2019 06:33     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                          | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                          | ND     |           | 1.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| Toluene                          | ND     |           | 1.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| Ethylbenzene                     | ND     |           | 1.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| o-Xylene                         | ND     |           | 1.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| m&p-Xylene                       | ND     |           | 2.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| Total Xylenes                    | ND     |           | 3.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether          | ND     |           | 1.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| Naphthalene                      | ND     |           | 5.00     | 1        | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| <i>(S) Toluene-d8</i>            | 107    |           | 80.0-120 |          | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| <i>(S) 4-Bromofluorobenzene</i>  | 104    |           | 77.0-126 |          | 09/24/2019 06:54     | <a href="#">WG1350818</a> |
| <i>(S) 1,2-Dichloroethane-d4</i> | 88.1   |           | 70.0-130 |          | 09/24/2019 06:54     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                          | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                          | ND     |           | 1.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| Toluene                          | ND     |           | 1.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| Ethylbenzene                     | ND     |           | 1.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| o-Xylene                         | ND     |           | 1.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| m&p-Xylene                       | ND     |           | 2.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| Total Xylenes                    | ND     |           | 3.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether          | ND     |           | 1.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| Naphthalene                      | ND     |           | 5.00     | 1        | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| <i>(S) Toluene-d8</i>            | 107    |           | 80.0-120 |          | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| <i>(S) 4-Bromofluorobenzene</i>  | 105    |           | 77.0-126 |          | 09/24/2019 07:15     | <a href="#">WG1350818</a> |
| <i>(S) 1,2-Dichloroethane-d4</i> | 88.1   |           | 70.0-130 |          | 09/24/2019 07:15     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



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

| Analyte                          | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                          | ND     |           | 1.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| Toluene                          | ND     |           | 1.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| Ethylbenzene                     | ND     |           | 1.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| o-Xylene                         | ND     |           | 1.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| m&p-Xylene                       | ND     |           | 2.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| Total Xylenes                    | ND     |           | 3.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether          | ND     |           | 1.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| Naphthalene                      | ND     |           | 5.00     | 1        | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| <i>(S) Toluene-d8</i>            | 106    |           | 80.0-120 |          | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| <i>(S) 4-Bromofluorobenzene</i>  | 104    |           | 77.0-126 |          | 09/24/2019 07:36     | <a href="#">WG1350818</a> |
| <i>(S) 1,2-Dichloroethane-d4</i> | 88.4   |           | 70.0-130 |          | 09/24/2019 07:36     | <a href="#">WG1350818</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 15:43     | <a href="#">WG1349279</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/24/2019 07:57     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 87.8   |           | 70.0-130 |          | 09/24/2019 07:57     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 17:12     | <a href="#">WG1349279</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | 1.96   |           | 1.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/24/2019 08:18     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 88.5   |           | 70.0-130 |          | 09/24/2019 08:18     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 17:27     | <a href="#">WG1349279</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/24/2019 08:39     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 89.5   |           | 70.0-130 |          | 09/24/2019 08:39     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc





Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 17:42     | <a href="#">WG1349279</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 106    |           | 80.0-120 |          | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 103    |           | 77.0-126 |          | 09/24/2019 09:00     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 88.2   |           | 70.0-130 |          | 09/24/2019 09:00     | <a href="#">WG1350818</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Sulfate | ND     |           | 5000 | 1        | 09/20/2019 17:57     | <a href="#">WG1349279</a> |

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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 107    |           | 80.0-120 |          | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 105    |           | 77.0-126 |          | 09/24/2019 09:20     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 87.5   |           | 70.0-130 |          | 09/24/2019 09:20     | <a href="#">WG1350818</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

| Analyte                   | Result | Qualifier | RDL      | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| Toluene                   | ND     |           | 1.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| Ethylbenzene              | ND     |           | 1.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| o-Xylene                  | ND     |           | 1.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| m&p-Xylene                | ND     |           | 2.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| Total Xylenes             | ND     |           | 3.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| Methyl tert-butyl ether   | ND     |           | 1.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| Naphthalene               | ND     |           | 5.00     | 1        | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| (S) Toluene-d8            | 108    |           | 80.0-120 |          | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| (S) 4-Bromofluorobenzene  | 106    |           | 77.0-126 |          | 09/24/2019 05:31     | <a href="#">WG1350818</a> |
| (S) 1,2-Dichloroethane-d4 | 87.6   |           | 70.0-130 |          | 09/24/2019 05:31     | <a href="#">WG1350818</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3453134-1 09/20/19 12:36

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Sulfate | U         |              | 77.4   | 5000   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1141137-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1141137-06 09/20/19 15:43 • (DUP) R3453134-3 09/20/19 15:58

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | ND              | 499        | 1        | 0.000   |               | 15             |

L1141326-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1141326-04 09/20/19 20:56 • (DUP) R3453134-6 09/20/19 21:11

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Sulfate | 8330            | 8200       | 1        | 1.49    |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3453134-2 09/20/19 12:51

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Sulfate | 40000        | 39300      | 98.3     | 80.0-120    |               |

L1141137-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141137-06 09/20/19 15:43 • (MS) R3453134-8 09/21/19 09:32 • (MSD) R3453134-9 09/21/19 09:47

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Sulfate | 50000        | ND              | 49700     | 49600      | 98.4    | 98.3     | 1        | 80.0-120    |              |               | 0.114 | 15         |

L1141326-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1141326-04 09/20/19 20:56 • (MS) R3453134-10 09/21/19 10:02

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Sulfate | 50000        | 8330            | 56600     | 96.5    | 1        | 80.0-120    |              |



Method Blank (MB)

(MB) R3454859-3 09/24/19 05:10

| Analyte                   | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------|-----------|--------------|--------|----------|
|                           | ug/l      |              | ug/l   | 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            | 108       |              |        | 80.0-120 |
| (S) 4-Bromofluorobenzene  | 105       |              |        | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 87.9      |              |        | 70.0-130 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3454859-1 09/24/19 04:08 • (LCSD) R3454859-2 09/24/19 04:29

| 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                   | 25.0         | 24.4       | 23.9        | 97.4     | 95.4      | 70.0-130    |               |                | 2.09  | 20         |
| Ethylbenzene              | 25.0         | 26.6       | 25.8        | 106      | 103       | 70.0-130    |               |                | 2.82  | 20         |
| Methyl tert-butyl ether   | 25.0         | 22.6       | 22.2        | 90.2     | 88.6      | 70.0-130    |               |                | 1.76  | 20         |
| Naphthalene               | 25.0         | 28.0       | 27.7        | 112      | 111       | 70.0-130    |               |                | 0.995 | 20         |
| Toluene                   | 25.0         | 25.6       | 25.2        | 102      | 101       | 70.0-130    |               |                | 1.47  | 20         |
| Xylenes, Total            | 75.0         | 80.8       | 79.7        | 108      | 106       | 70.0-130    |               |                | 1.37  | 20         |
| o-Xylene                  | 25.0         | 27.3       | 26.8        | 109      | 107       | 70.0-130    |               |                | 1.67  | 20         |
| m&p-Xylenes               | 50.0         | 53.5       | 52.9        | 107      | 106       | 70.0-130    |               |                | 1.02  | 20         |
| (S) Toluene-d8            |              |            |             | 104      | 105       | 80.0-120    |               |                |       |            |
| (S) 4-Bromofluorobenzene  |              |            |             | 101      | 100       | 77.0-126    |               |                |       |            |
| (S) 1,2-Dichloroethane-d4 |              |            |             | 93.6     | 93.2      | 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.  |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

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 <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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                | LA000356         |
| Kentucky <sup>1,6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | 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             |

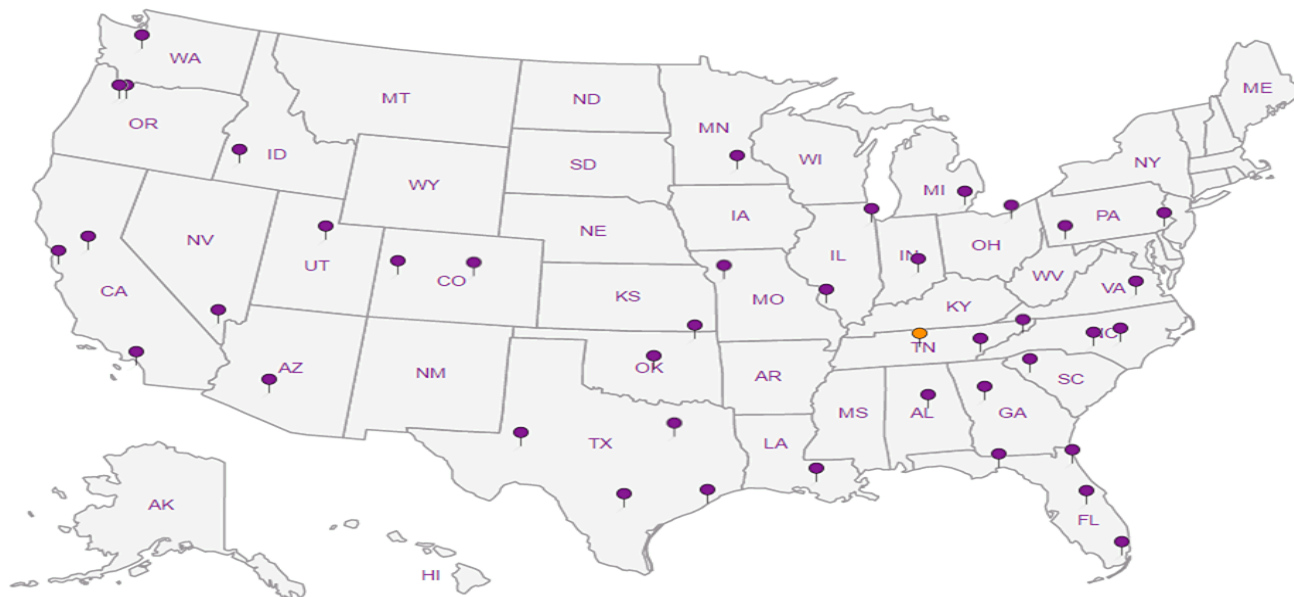
## Third Party Federal Accreditations

|                               |         |                    |               |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP,LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                | 1461.01       |
| Canada                        | 1461.01 | USDA               | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                    |               |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



1 Cp

2 Tc

3 Ss

4 Cn

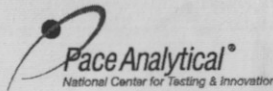
5 Sr

6 Qc

7 Gl

8 Al

9 Sc

|   |  |   |                   |   |          |  |                         |                           |                                  |  |  |  |  |   |  |  |   |   |  |    |  |
|---|--|---|-------------------|---|----------|--|-------------------------|---------------------------|----------------------------------|--|--|--|--|---|--|--|---|---|--|----|--|
| <b>Kinder Morgan- Atlanta, GA</b>   |  | Billing Information:  |                   | Analysis / Container / Preservative                   |          |  |                         |                           |                                  |  |  |  |  | Chain of Custody Page 1 of 2  |  |  |   |   |  |    |  |
| 6600 Peachtree Dunwoody Road<br>400 Embassy Row - Suite 500<br>Atlanta, GA 30328  |  | Accounts Payable<br>1000 Windward Concourse<br>Ste 450<br>Alpharetta, GA 30005  |                   | Pres Chk  | X        | X  |                         |                           |                                  |  |  |  |  |   |  |  | <br>Pace Analytical<br>National Center for Testing & Innovation |   |  |    |  |
| Report to:<br><b>Bethany Garvey</b>   |  | Email To: bethany.garvey@jacobs.com;<br>tom.wiley@jacobs.com  |                   |   |          |  |                         |                           |                                  |  |  |  |  | 12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859 |  |  |   |   |  |    |  |
| Project Description: <b>LEWIS DRIVE</b> <i>SURFACE WATER</i>  |  | City/State Collected: <b>BELTON, SC</b>   |                   | Please Circle: PT MT CT ET                            |          |  |                         |                           |                                  |  |  |  |  |   |  | SDG # <b>114137</b><br><b>B139</b>   |   |   |  |    |  |
| Phone: 770-604-9182   |  | Client Project # <b>D3161400</b>  |                   | Lab Project # <b>KINCH2MGA-LEWIS12</b>                |          |  |                         |                           |                                  |  |  |  |  |   |  | Acctnum: <b>KINCH2MGA</b><br>Template: <b>T131319</b><br>Prelogin: <b>P724307</b><br>PM: <b>526 - Chris McCord</b><br>PB: <b>8-13-196m</b> |   |   |  |    |  |
| Collected by (print): <b>MELISSA WARRER</b>   |  | Site/Facility ID # <b>LEWIS DRIVE</b>   |                   | P.O. #  |          |  |                         |                           |                                  |  |  |  |  |   |  | Shipped Via: <b>FedEx Ground</b>   |   |   |  |    |  |
| Collected by (signature): <i>Melissa Warrer</i>   |  | Rush? (Lab MUST Be Notified)  |                   | Quote #   |          |  |                         |                           |                                  |  |  |  |  |   |  | Remarks   Sample # (lab only)  |   |   |  |    |  |
| Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>   |  | <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |                   | Date Results Needed                                   |          |  |                         |                           |                                  |  |  |  |  |   |  |  |   |   |  |    |  |
| No. of Cntrs  |  |   |                   |   |          |  |                         |                           |                                  |  |  |  |  |   |  |  |   |   |  |    |  |
| Sample ID   |  | Comp/Grab   | Matrix *          | Depth   | Date     | Time   | Sulfate 125mHDPe-NoPres | V8260BTEXMNSC 40mlAmb-HCl | V8260BTEXMNSC-TB 40mlAmb-HCl-BIK |  |  |  |  |   |  |  |   |   |  |    |  |
| SW13-091819   |  | GRAB  | GW                | NA  | 09/18/19 | 1515   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 01 |  |
| SW09-091819   |  |   | GW                |   |          | 1450   | 3                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 02 |  |
| SW11-091819   |  |   | GW                |   |          | 1430   | 3                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 03 |  |
| SW10-091819   |  |   | GW                |   |          | 1440   | 3                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 04 |  |
| SW08-091819   |  |   | GW                |   |          | 1500   | 3                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 05 |  |
| SW04-091819   |  |   | GW                |   |          | 1555   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 06 |  |
| SW02-091819   |  |   | GW                |   |          | 1605   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 07 |  |
| SW01-091819   |  |   | GW                |   |          | 1625   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 08 |  |
| SW12-091819   |  |   | GW                |   |          | 1650   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 09 |  |
| SW14-091819   |  |   | GW                |   |          | 1725   | 4                       | X                         | X                                |  |  |  |  |   |  |  |   |   |  | 10 |  |
| * Matrix:<br>SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other        |  | Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, <del>1,2,4</del>  |                   | pH _____ Temp _____                                   |          | Flow _____ Other _____   |                         |                           |                                  |  |  |  |  |   |  |  |   | Sample Receipt Checklist<br>COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |    |  |
| Samples returned via:<br><input checked="" type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier |  | Tracking # <b>1203 5780 4341</b>  |                   |   |          |  |                         |                           |                                  |  |  |  |  |   |  |  |   |   |  |    |  |
| Relinquished by: (Signature) <i>Melissa Warrer</i>  |  | Date: <b>09/18/19</b>   | Time: <b>1900</b> | Received by: (Signature) _____                        |          | Trip Blank Received: <input checked="" type="checkbox"/> Yes / No<br>HCL / MeoH<br>TBR |                         |                           |                                  |  |  |  |  |   |  |  |   |   |  |    |  |
| Relinquished by: (Signature)  |  | Date:   | Time:             | Received by: (Signature)                              |          | Temp: °C <b>16.0-16.3</b> Bottles Received: <b>36</b>                                  |                         |                           |                                  |  |  |  |  |   |  |  |   | If preservation required by Login: Date/Time  |  |    |  |
| Relinquished by: (Signature)  |  | Date:   | Time:             | Received for lab by: (Signature) <i>Kouka Suleman</i> |          | Date: <b>9/19/19</b> Time: <b>8:45</b>   |                         |                           |                                  |  |  |  |  |   |  |  |   | Hold: Condition: <b>NCF 10K</b>   |  |    |  |





**Andy Vann**

---

**From:** Chris McCord  
**Sent:** Friday, September 20, 2019 2:27 PM  
**To:** Project Service; Due WetLab; Due VOC  
**Subject:** L1141137 \*KINCH2MGA\* place on hold

Please place SULFATE and V8260BTEXMNSC on L1141137-01 on hold per client email below.

SULFATE = LG:DONE: WET:WG:WG1349279 RPT:NEED:  
V8260BTEXMNSC = LG:DONE: VOL:HERE:

Thanks,  
Christopher McCord  
*Project Manager*

**Pace Analytical National Center for Testing & Innovation**  
12065 Lebanon Road | Mt. Juliet, TN 37122  
615.773.3281 | Cell 615.504.3183  
[cmccord@pacenational.com](mailto:cmccord@pacenational.com) | [pacenational.com](http://pacenational.com)

***ESC Lab Sciences is now Pace Analytical National Center for Testing & Innovation! Please make note of my new email address and website.***

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**From:** Garvey, Bethany/ATL [mailto:[Bethany.Garvey@jacobs.com](mailto:Bethany.Garvey@jacobs.com)]  
**Sent:** Friday, September 20, 2019 1:59 PM  
**To:** Chris McCord  
**Subject:** RE: a few things regarding the Lewis Drive samples

**CAUTION:** This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Chris,

Please disregard the email I just sent and see the updated bullets below....

- MW-18, MW-11, and MW-07 may need to be analyzed at a dilution. Please make sure the lab is aware.
- Please place SW-13 "on hold", we may cancel or recollect this sample.

Thanks,  
Bethany

**Attachment E**  
**Field Summary Report from**  
**Redox Tech, LLC**

# REDOX TECH, LLC



"Providing Innovative In Situ Soil and Groundwater Treatment"

## Field Summary Report for Belton, SC

*Prepared by Geoff Ives on September 12, 2019*

|                                      |  |   |  |
|--------------------------------------|--|---|--|
| <b>Project Name</b>                  | Plantation Pipe Line<br>Lewis Drive Site   | <b>Start and End Date</b>               | August 7 - 29, 2019  |
| <b>City and State</b>                | Belton, SC   | <b>Address</b>                          | Intersection of W. Calhoun Rd<br>and Lewis Drive, Belton, SC   |
| <b>Contaminant of Concern</b>        | Gasoline and a small<br>amount of diesel fuel  | <b>Contaminated Media</b>               | Soil and Groundwater   |
| <b>Field Contractor</b>              | Redox Tech, LLC  | <b>Client</b>                           | William Waldron<br>Jacobs Engineering Group<br>Email:<br>William.Waldron@jacobs.com  |
| <b>Address</b>                       | 200 Quade Drive<br>Cary, NC  | <b>Address</b>                          | USAPInvoices@jacobs.com  |
| <b>Field Lead</b>                    | Robert Sullivan  | <b>Oversight</b>                        | Micheal Tekle  |
| <b>Phone Number</b>                  | 770-778-9787   | <b>Phone Number</b>                     | 704-302-0386   |
| <b>Email</b>                         | sullivan@redox-<br>tech.com  | <b>Email</b>                            | Micheal.Tekle@jacobs.com   |
| <b>Crew Members</b>                  | Robert Sullivan,<br>Geoff Ives, Ivan<br>Blackman, Zack<br>Poole, and Bradford<br>Bailiff | <b>Number of Points<br/>and Depths</b>  | 66 locations; 64 planned and<br>two "make-up" locations<br>because of daylighting - 20,<br>18, 16, 14, 12, 10, 8, and 6 feet |
| <b>Chemical</b>                      | Oxygen BioChem<br>(OBC)  | <b>Mass or Volume</b>                   | 38,400 pounds (lbs) OBC  |
| <b>Concentration<br/>of Chemical</b> | 600 lbs of OBC in<br>360 gal of solution   | <b>Volume of<br/>Solution or Slurry</b> | 23,000 gallons (gal)   |

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## **Brief Narrative**

Between August 9 and 28, 2019, Redox Tech performed direct-push technology (DPT) injections of Oxygen BioChem (OBC™) at a total of 66 injection locations (see Figure 1), targeting petroleum hydrocarbons in the groundwater near the intersection of West Calhoun Road and Lewis Drive in Belton, South Carolina. Injections were conducted at two target areas, the Cupboard Creek injection location (Figure 2) and the Brown's Creek injection location (Figure 3). Injection points were spaced approximately 15 feet apart in transects perpendicular to the direction of groundwater flow.

Redox Tech advanced DPT borings using Geoprobe® 6610 and 6620 track-mounted drill rigs. The maximum vertical interval of injection ranged from 20 ft to 6 ft below ground surface (bgs), but actual vertical intervals varied on a point-by-point basis depending on the depth of refusal reached by the Geoprobe® rigs. To ensure proper vertical distribution of the OBC™ solution, injections were conducted at two-foot increments from the bottom of the borehole working upwards.

A 2,000 gal water truck was used to shuttle potable water from the Belton City Hall to the injection staging area for mixing OBC™ solution. The solution was mixed in two 550 gal polymer (poly) tanks equipped with pneumatic mixers, which were deployed near each injection area, while diaphragm pumps were used to inject the amendment. Secondary containment was set up around both the poly tanks and the pumps. Redox Tech installed an air bridge over the 26-inch Plantation pipeline whenever it was necessary to cross with a drill rig.

Each injection point (IP) received 600 lbs of OBC™ in 360 gal solution unless otherwise stated (see Table 2). Any changes made to the planned injections are documented in Table 1. The target flow rate for injection ranged from 10 – 15 gal/min, while care was taken to keep injection pressures below 60 pounds per square inch (psi). Daylighting was an issue at both the Cupboard Creek and Brown's Creek injection areas. Surface flow controls were instituted and the contingency plan for daylighting outlined in the Redox Injection Work Plan and HASP was followed when daylighting issues were encountered. Ultimately, some points had to be abandoned and additional points were necessary to get the full mass of OBC™ in the ground.

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Daylighting was problematic at IP-11, IP-12, IP-36, and IP-39 in the Cupboard Creek injection area. IP-12A was added to receive the volume of OBC™ solution remaining from IP-12, and IP-39A was added to receive the volume remaining from IP-39. IP-35 accepted the volume remaining from IP-36. The Cupboard Creek injection area received a total of 24,000 lbs OBC™.

At Brown's Creek, IP-47, IP-51, IP-57, IP-60, and IP-62 daylighted. IP-56 received the volume of OBC™ solution remaining from IP-57 and IP-43 received the volume remaining from IP-62. The volume remaining from IP-47 and IP-51 was used to mix the batch of solution for IP-42. The concentration of OBC™ was increased for the last ten IP's completed in order to get the remaining mass in the ground. The following points received approximately 663 lbs OBC™ in 360 gal solution: IP-44, IP-45, IP-46, IP-48, IP-49, IP-50, IP-52, IP-59, IP-60, and IP-61. IP-60 had daylighting issues, so the remaining volume was injected at IP-59. The Brown's Creek injection area received a total of 14,400 lbs OBC™.

Boreholes were sealed with Portland cement/bentonite slurry to land surface upon completion of each injection location. When boreholes collapsed, Geoprobe® rigs were used in combination with blunt DPT tips to clear to 5 ft bgs, and then the holes were grouted to land surface with Portland cement/bentonite slurry. Grass seed and straw were spread at both the Cupboard Creek and Brown's Creek locations to restore vegetation to the work areas.

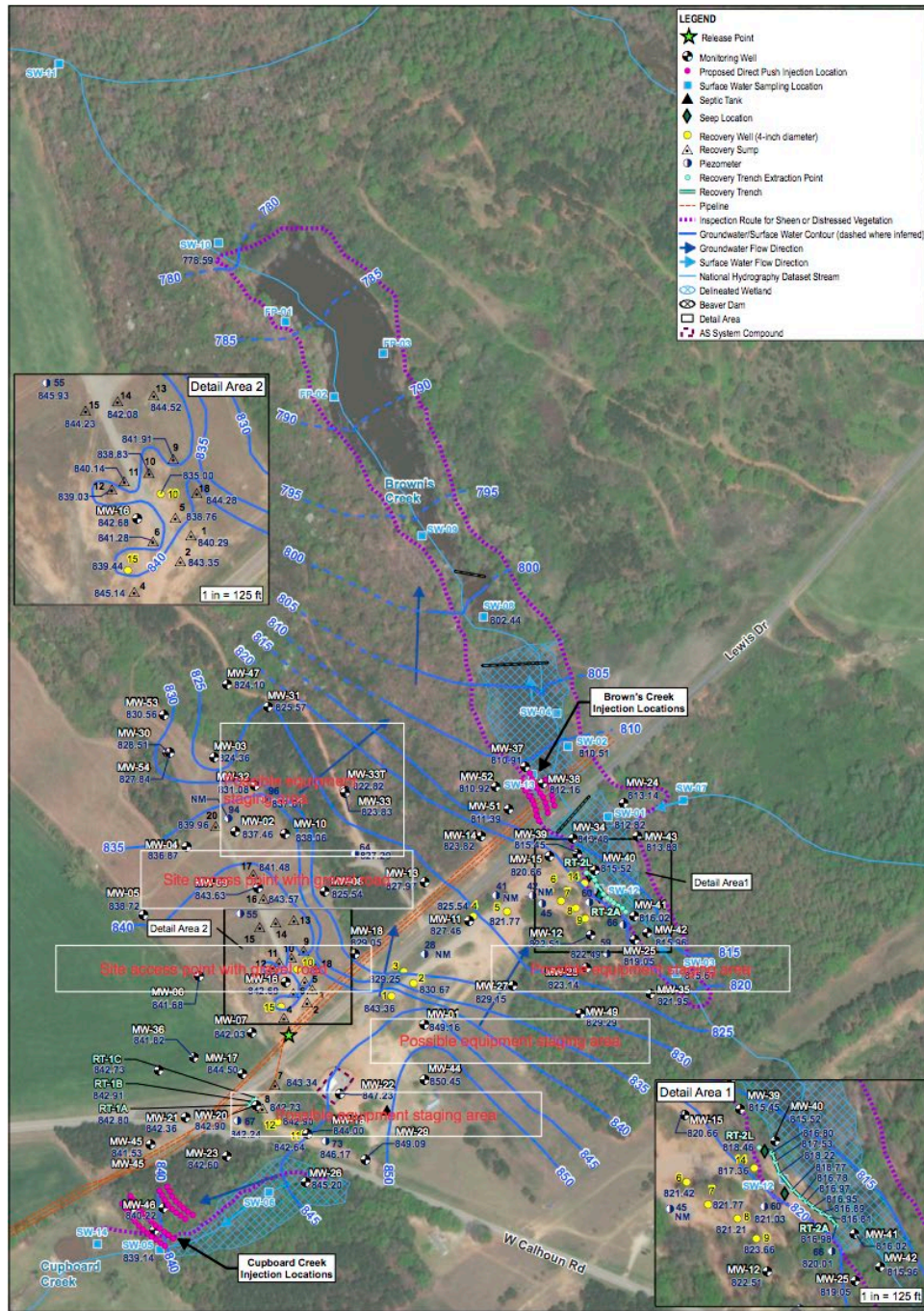
Redox crewmembers that participated in the remedial fieldwork included Robert Sullivan, Ivan Blackman, Geoff Ives, Bradford Bailiff, and Zack Poole, with oversight provided primarily by Jacobs' Micheal Tekle.

The Redox Tech crew fully demobilized on Thursday August 29, 2019.

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829.25 Corrected Groundwater Elevation as of 12/3/2018 in feet above mean sea level  
 NM Not Measured

Base Map Sources:  
 \*Environmental Systems Research Institute (ESRI)  
 ArcMap World Imagery 2017. Base map features are approximate.  
 \*United States Geological Survey (USGS)  
 National Hydrography Dataset (NHD)

Figure 6. Residuum Groundwater and Surface Water Elevation Map  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

©:recoiled\del\GIS\_SHAPEFILES\RDUC\_Fig6\KinderMorgan\0445584\ewiDr\_ERG\GIS\Map32019\_LUC\_Permit\_App\in-3\_Residuum\_GW\_Inv\evision\_030619.mxd ag157958 6/17/2019



Figure 1. Injection Location Map







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**Table 1. Injection Logs**

| Date                                     | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)          |
|--|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|------------------------------------|
| <b>Cupboard Creek Injection Location</b> |                      |                     |            |           |                          |                 |                               |                              |                                    |
| 8/9/19                                   | IP-4                 | 16                  | 11:54      | 11:57     | 40                       | 20.0            | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-4                 | 14                  | 11:57      | 12:05     | 35                       | 7.5             | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-4                 | 12                  | 12:05      | 12:12     | 30                       | 8.6             | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-4                 | 10                  | 12:16      | 12:23     | 25                       | 8.6             | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-4                 | 8                   | 12:23      | 12:45     | 20                       | 2.7             | 60                            | 60                           | ARO pump not working right         |
| 8/9/19                                   | IP-4                 | 6                   | 12:45      | 12:57     | 5                        | 5.0             | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-5                 | 16                  | 14:58      | 15:09     | 35                       | 5.5             | 60                            | 60                           | Camlock fitting came loose on pump |
| 8/9/19                                   | IP-5                 | 14                  | 15:09      | 15:14     | 35                       | 12.0            | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-5                 | 12                  | 15:14      | 15:19     | 30                       | 12.0            | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-5                 | 10                  | 15:22      | 15:28     | 0                        | 10.0            | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-5                 | 8                   | 15:28      | 15:32     | 0                        | 15.0            | 60                            | 60                           |                                    |
| 8/9/19                                   | IP-5                 | 6                   | 15:32      | 15:36     | 0                        | 15.0            | 60                            | 60                           |                                    |
| 8/12/19                                  | IP-8                 | 18                  | 14:39      | 14:43     | 60                       | 12.9            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 16                  | 14:43      | 14:48     | 55                       | 10.3            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 14                  | 14:51      | 14:55     | 50                       | 12.9            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 12                  | 14:55      | 15:00     | 50                       | 10.3            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 10                  | 15:00      | 15:04     | 50                       | 12.9            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 8                   | 15:04      | 15:08     | 50                       | 12.9            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-8                 | 6                   | 15:08      | 15:12     | 50                       | 12.9            | 51.43                         | 51.43                        |                                    |
| 8/12/19                                  | IP-7                 | 16                  | 15:22      | 15:29     | 45                       | 8.6             | 60                            | 60                           |                                    |
| 8/12/19                                  | IP-7                 | 14                  | 15:29      | 15:32     | 40                       | 20.0            | 60                            | 60                           |                                    |

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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)                        |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/12/19 | IP-7                 | 12                  | 15:33      | 15:36     | 40                       | 20.0            | 60                            | 60                           |  |
| 8/12/19 | IP-7                 | 10                  | 15:39      | 15:43     | 30                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-7                 | 8                   | 15:43      | 15:47     | 30                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-7                 | 6                   | 15:47      | 15:51     | 25                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-6                 | 16                  | 16:25      | 16:32     | 50                       | 8.6             | 60                            | 60                           | Took a few minutes to get expendable rod tip out |
| 8/12/19 | IP-6                 | 14                  | 16:32      | 16:36     | 50                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-6                 | 12                  | 16:36      | 16:40     | 50                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-6                 | 10                  | 16:44      | 16:48     | 40                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-6                 | 8                   | 16:48      | 16:52     | 40                       | 15.0            | 60                            | 60                           |  |
| 8/12/19 | IP-6                 | 6                   | 16:52      | 17:00     | 35                       | 7.5             | 60                            | 60                           |  |
| 8/12/19 | IP-10                | 20                  | 17:30      | 17:33     | 60                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 18                  | 17:33      | 17:36     | 60                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 14                  | 17:43      | 17:46     | 45                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 16                  | 17:36      | 17:40     | 45                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 12                  | 17:46      | 17:50     | 45                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 10                  | 17:51      | 17:55     | 35                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 8                   | 17:55      | 17:59     | 30                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-10                | 6                   | 17:59      | 18:02     | 35                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-9                 | 20                  | 18:29      | 18:32     | 50                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-9                 | 18                  | 18:32      | 18:35     | 40                       | 15.0            | 45                            | 45                           |  |
| 8/12/19 | IP-9                 | 16                  | 18:35      | 18:39     | 35                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-9                 | 14                  | 18:42      | 18:46     | 35                       | 11.3            | 45                            | 45                           |  |
| 8/12/19 | IP-9                 | 12                  | 18:46      | 18:50     | 35                       | 11.3            | 45                            | 45                           |  |

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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.) |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---------------------------|
| 8/12/19 | IP-9                 | 10                  | 18:52      | 18:56     | 25                       | 11.3            | 45                            | 45                           |                           |
| 8/12/19 | IP-9                 | 8                   | 18:56      | 18:58     | 35                       | 22.5            | 45                            | 45                           |                           |
| 8/12/19 | IP-9                 | 6                   | 18:58      | 19:02     | 30                       | 11.3            | 45                            | 45                           |                           |
| 8/13/19 | IP-15                | 14                  | 12:03      | 12:07     | 50                       | 18.0            | 72                            | 72                           |                           |
| 8/13/19 | IP-15                | 12                  | 12:07      | 12:11     | 35                       | 18.0            | 72                            | 72                           |                           |
| 8/13/19 | IP-15                | 10                  | 12:11      | 12:15     | 35                       | 18.0            | 72                            | 72                           |                           |
| 8/13/19 | IP-15                | 8                   | 12:18      | 12:23     | 30                       | 14.4            | 72                            | 72                           |                           |
| 8/13/19 | IP-15                | 6                   | 12:23      | 12:30     | 30                       | 10.3            | 72                            | 72                           |                           |
| 8/13/19 | IP-18                | 16                  | 14:25      | 14:28     | 65                       | 20.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-18                | 14                  | 14:28      | 14:33     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-18                | 12                  | 14:33      | 14:38     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-18                | 10                  | 14:42      | 14:46     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-18                | 8                   | 14:46      | 14:50     | 20                       | 15.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-18                | 6                   | 14:50      | 14:58     | 20                       | 7.5             | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 16                  | 15:31      | 15:33     | 30                       | 30.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 14                  | 15:34      | 15:37     | 30                       | 20.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 12                  | 15:37      | 15:42     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 10                  | 15:45      | 15:50     | 25                       | 12.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 8                   | 15:50      | 15:58     | 30                       | 7.5             | 60                            | 60                           |                           |
| 8/13/19 | IP-19                | 6                   | 15:59      | 16:03     | 25                       | 15.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-17                | 16                  | 16:45      | 16:50     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-17                | 14                  | 16:51      | 16:55     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/13/19 | IP-17                | 12                  | 16:55      | 16:59     | 30                       | 15.0            | 60                            | 60                           |                           |

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"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)     |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|-------------------------------|
| 8/13/19 | IP-17                | 10                  | 17:04      | 17:08     | 25                       | 15.0            | 60                            | 60                           |                               |
| 8/13/19 | IP-17                | 8                   | 17:08      | 17:14     | 25                       | 10.0            | 60                            | 60                           |                               |
| 8/13/19 | IP-17                | 6                   | 17:14      | 17:20     | 25                       | 10.0            | 60                            | 60                           |                               |
| 8/13/19 | IP-14                | 15                  | 14:48      | 14:55     | 60                       | 10.3            | 72                            | 72                           |                               |
| 8/13/19 | IP-14                | 13                  | 14:55      | 15:02     | 40                       | 10.3            | 72                            | 72                           |                               |
| 8/13/19 | IP-14                | 11                  | 15:02      | 15:08     | 35                       | 12.0            | 72                            | 72                           | Tight formation, backpressure |
| 8/13/19 | IP-14                | 9                   | 15:16      | 15:22     | 30                       | 12.0            | 72                            | 72                           |                               |
| 8/13/19 | IP-14                | 7                   | 15:22      | 15:28     | 30                       | 12.0            | 72                            | 72                           |                               |
| 8/13/19 | IP-13                | 20                  | 16:00      | 16:05     | 50                       | 9.0             | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 18                  | 16:05      | 16:09     | 35                       | 11.3            | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 16                  | 16:09      | 16:13     | 35                       | 11.3            | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 14                  | 16:17      | 16:21     | 30                       | 11.3            | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 12                  | 16:21      | 16:25     | 30                       | 11.3            | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 10                  | 16:25      | 16:28     | 30                       | 15.0            | 45                            | 45                           | Slight backpressure           |
| 8/13/19 | IP-13                | 8                   | 16:34      | 16:37     | 30                       | 15.0            | 45                            | 45                           |                               |
| 8/13/19 | IP-13                | 6                   | 16:37      | 16:40     | 30                       | 15.0            | 45                            | 45                           |                               |
| 8/14/19 | IP-16                | 16                  | 9:33       | 9:37      | 40                       | 15.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-16                | 14                  | 9:37       | 9:42      | 40                       | 12.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-16                | 12                  | 9:42       | 9:47      | 40                       | 12.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-16                | 10                  | 9:49       | 9:54      | 30                       | 12.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-16                | 8                   | 9:54       | 9:59      | 30                       | 12.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-16                | 6                   | 9:59       | 10:05     | 30                       | 10.0            | 60                            | 60                           |                               |
| 8/14/19 | IP-3                 | 16                  | 10:47      | 10:50     | 40                       | 20.0            | 60                            | 60                           |                               |

# REDOX TECH, LLC

*"Providing Innovative In Situ Soil and Groundwater Treatment"*

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.) |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---------------------------|
| 8/14/19 | IP-3                 | 14                  | 10:50      | 10:55     | 40                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-3                 | 12                  | 10:55      | 10:59     | 37                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-3                 | 10                  | 11:03      | 11:07     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-3                 | 8                   | 11:07      | 11:11     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-3                 | 6                   | 11:11      | 11:16     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 16                  | 11:56      | 12:01     | 45                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 14                  | 12:01      | 12:05     | 45                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 12                  | 12:05      | 12:10     | 40                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 10                  | 12:14      | 12:18     | 35                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 8                   | 12:18      | 12:22     | 35                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-1                 | 6                   | 12:22      | 12:27     | 35                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 16                  | 14:44      | 14:50     | 50                       | 10.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 14                  | 14:50      | 14:56     | 50                       | 10.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 12                  | 14:56      | 15:01     | 45                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 10                  | 15:05      | 15:10     | 30                       | 12.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 8                   | 15:11      | 15:15     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-2                 | 6                   | 15:15      | 15:19     | 30                       | 15.0            | 60                            | 60                           |                           |
| 8/14/19 | IP-23                | 18                  | 16:06      | 16:10     | 40                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/14/19 | IP-23                | 16                  | 16:10      | 16:14     | 40                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/14/19 | IP-23                | 14                  | 16:14      | 16:17     | 35                       | 17.2            | 51.43                         | 51.43                        |                           |
| 8/14/19 | IP-23                | 12                  | 16:17      | 16:23     | 35                       | 8.6             | 51.43                         | 51.43                        |                           |
| 8/14/19 | IP-23                | 10                  | 16:27      | 16:31     | 30                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/14/19 | IP-23                | 8                   | 16:31      | 16:34     | 40                       | 17.2            | 51.43                         | 51.43                        |                           |

# REDOX TECH, LLC

"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)  |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/14/19 | IP-23                | 6                   | 16:34      | 16:38     | 30                       | 12.9            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 18                  | 17:16      | 17:23     | 50                       | 7.4             | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 16                  | 17:23      | 17:27     | 50                       | 12.9            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 14                  | 17:32      | 17:36     | 30                       | 12.9            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 12                  | 17:36      | 17:40     | 40                       | 12.9            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 10                  | 17:43      | 17:46     | 30                       | 17.2            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-24                | 8                   | 17:46      | 17:49     | 30                       | 17.2            | 51.43                         | 51.43                        |  |
| 8/15/19 | IP-24                | 6                   | 8:45       | 8:50      | 30                       | 10.3            | 51.43                         | 51.43                        |  |
| 8/14/19 | IP-20                | 20                  | 9:38       | 9:42      | 40                       | 11.3            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 18                  | 9:41       | 9:45      | 30                       | 11.3            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 16                  | 9:45       | 9:49      | 30                       | 11.3            | 45                            | 45                           | Backpressure   |
| 8/14/19 | IP-20                | 14                  | 10:02      | 10:06     | 30                       | 11.3            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 12                  | 10:06      | 10:09     | 30                       | 15.0            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 10                  | 10:09      | 10:12     | 30                       | 15.0            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 8                   | 10:15      | 10:18     | 30                       | 15.0            | 45                            | 45                           |  |
| 8/14/19 | IP-20                | 6                   | 10:18      | 10:21     | 30                       | 15.0            | 45                            | 45                           |  |
| 8/14/19 | IP-11                | 20                  | 10:53      | 10:56     | 35                       | 15.0            | 45                            | 45                           |  |
| 8/14/19 | IP-11                | 18                  | 10:56      | 11:00     | 35                       | 11.3            | 45                            | 45                           |  |
| 8/14/19 | IP-11                | 16                  | 11:00      | 11:04     | 30                       | 11.3            | 45                            | 45                           | Daylighted ~1gal approximately 5 ft to south   |
| 8/14/19 | IP-11                | 14                  | 11:17      | 11:18     | 5                        | 0.0             | 45                            | 0                            | Daylighting continued even after flowrate reduced, planning to split remaining 225 gal up between intervals for IP-12. $360+225=585/8=73$ gal per interval |
| 8/14/19 | IP-11                | 12                  | N/A        | N/A       | N/A                      | 0.0             | 0                             | 0                            |  |

# REDOX TECH, LLC

*"Providing Innovative In Situ Soil and Groundwater Treatment"*

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)  |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/14/19 | IP-11                | 10                  | N/A        | N/A       | N/A                      | 0.0             | 0                             | 0                            |  |
| 8/14/19 | IP-11                | 8                   | N/A        | N/A       | N/A                      | 0.0             | 0                             | 0                            |  |
| 8/14/19 | IP-11                | 6                   | N/A        | N/A       | N/A                      | 0.0             | 0                             | 0                            |  |
| 8/14/19 | IP-12                | 20                  | 11:30      | 11:37     | 40                       | 10.4            | 73.13                         | 73.13                        |  |
| 8/14/19 | IP-12                | 18                  | 11:37      | 11:43     | 40                       | 12.2            | 73.13                         | 73.13                        |  |
| 8/14/19 | IP-12                | 16                  | 11:43      | 11:49     | 45                       | 12.2            | 73.13                         | 73.13                        |  |
| 8/14/19 | IP-12                | 14                  | 12:15      | 12:22     | 30                       | 10.4            | 73.13                         | 73.13                        |  |
| 8/14/19 | IP-12                | 12                  | 12:22      | 12:22     | 30                       | 0.0             | 73.13                         | 0                            | Daylighting 2 ft south of IP-11  |
| 8/14/19 | IP-12                | 10                  | 14:27      | 14:35     | 10                       | 4.4             | 98                            | 35                           | Started daylighting same as last interval, drilled new point (IP-12A) 5 ft east, injecting remaining volume from IP-12 there |
| 8/14/19 | IP-12                | 8                   | N/A        | N/A       | N/A                      | 0.0             | 98                            | 0                            |  |
| 8/14/19 | IP-12                | 6                   | N/A        | N/A       | N/A                      | 0.0             | 98                            | 0                            |  |
| 8/14/19 | IP-12A               | 14                  | 14:55      | 15:01     | 15                       | 7.7             | 46                            | 46                           | Pumping at low pressure low flow rate, tank had ~230 gal solution in it when starting here                                   |
| 8/14/19 | IP-12A               | 12                  | 15:01      | 15:08     | 15                       | 6.6             | 46                            | 46                           |  |
| 8/14/19 | IP-12A               | 10                  | 15:08      | 15:14     | 15                       | 7.7             | 46                            | 46                           | Backpressure   |
| 8/14/19 | IP-12A               | 8                   | 15:23      | 15:30     | 15                       | 6.6             | 46                            | 46                           |  |
| 8/14/19 | IP-12A               | 6                   | 15:30      | 15:38     | 15                       | 5.8             | 46                            | 46                           |  |
| 8/14/19 | IP-21                | 20                  | 16:14      | 16:19     | 30                       | 9.0             | 45                            | 45                           |  |
| 8/14/19 | IP-21                | 18                  | 16:19      | 16:23     | 30                       | 11.3            | 45                            | 45                           |  |
| 8/14/19 | IP-21                | 16                  | 16:23      | 16:27     | 30                       | 11.3            | 45                            | 45                           |  |



# REDOX TECH, LLC

"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)   |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/14/19 | IP-21                | 14                  | 16:32      | 16:36     | 30                       | 11.3            | 45                            | 45                           |   |
| 8/14/19 | IP-21                | 12                  | 16:36      | 16:39     | 30                       | 11.3            | 45                            | 45                           |   |
| 8/14/19 | IP-21                | 10                  | 16:39      | 16:42     | 30                       | 11.3            | 45                            | 45                           | Lots of backpressure  |
| 8/14/19 | IP-21                | 8                   | 16:58      | 17:01     | 30                       | 15.0            | 45                            | 45                           |   |
| 8/14/19 | IP-21                | 6                   | 17:01      | 17:04     | 30                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 20                  | 9:44       | 9:47      | 30                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 18                  | 9:47       | 9:50      | 30                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 16                  | 9:50       | 9:54      | 30                       | 11.25           | 45                            | 45                           | Backpressure  |
| 8/15/19 | IP-40                | 14                  | 10:10      | 10:13     | 20                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 12                  | 10:13      | 10:18     | 20                       | 9               | 45                            | 45                           | Backpressure  |
| 8/15/19 | IP-40                | 10                  | 10:27      | 10:30     | 25                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 8                   | 10:30      | 10:32     | 25                       | 22.5            | 45                            | 45                           |   |
| 8/15/19 | IP-40                | 6                   | 10:32      | 10:35     | 25                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-39                | 20                  | 11:05      | 11:08     | 45                       | 15              | 45                            | 45                           |   |
| 8/15/19 | IP-39                | 18                  | 11:08      | 11:09     | 40                       | 5               | 45                            | 5                            | Daylighting underneath foot of rig. pulled up to 15ft. pressure/flowrate reduced                        |
| 8/15/19 | IP-39                | 15                  | 11:19      | 11:31     | 20                       | 3.75            | 62                            | 62                           |   |
| 8/15/19 | IP-39                | 13                  | 11:31      | 11:41     | 20                       | 4.5             | 62                            | 62                           |   |
| 8/15/19 | IP-39                | 11                  | 11:41      | 11:51     | 20                       | 4.5             | 62                            | 62                           |   |
| 8/15/19 | IP-39                | 9                   | 11:55      | 11:55     | 20                       | 0               | 62                            | 0                            | Daylighting   |
| 8/15/19 | IP-39                | 7                   | N/A        | N/A       | N/A                      | 0               | 123                           | 0                            | Began daylighting before pump turned on. plan is to drill hole 5ft to NNE and inject 3x41 gal intervals |

# REDOX TECH, LLC



"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.) |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---------------------------|
| 8/15/19 | IP-39A               | 10                  | 12:06      | 12:12     | 10                       | 6.8             | 41.3                          | 41.3                         |                           |
| 8/15/19 | IP-39A               | 8                   | 12:12      | 12:16     | 10                       | 10.25           | 41.3                          | 41.3                         |                           |
| 8/15/19 | IP-39A               | 6                   | 12:16      | 12:19     | 10                       | 13.7            | 41.3                          | 41.3                         |                           |
| 8/15/19 | IP-38                | 20                  | 14:20      | 14:24     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 18                  | 14:24      | 14:29     | 40                       | 9.0             | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 16                  | 14:29      | 14:35     | 40                       | 7.5             | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 14                  | 14:36      | 14:40     | 35                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 12                  | 14:40      | 14:45     | 30                       | 9.0             | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 10                  | 14:49      | 14:52     | 30                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 8                   | 14:52      | 14:55     | 30                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-38                | 6                   | 14:55      | 14:58     | 30                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-25                | 18                  | 15:32      | 15:37     | 45                       | 10.3            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 16                  | 15:37      | 15:41     | 40                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 14                  | 15:41      | 15:45     | 30                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 12                  | 15:50      | 15:54     | 35                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 10                  | 15:54      | 15:58     | 35                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 8                   | 16:06      | 16:10     | 25                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-25                | 6                   | 16:10      | 16:13     | 25                       | 17.2            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-26                | 18                  | 16:32      | 16:39     | 45                       | 7.4             | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-26                | 16                  | 16:39      | 16:45     | 40                       | 8.6             | 51.43                         | 51.43                        | Backpressure              |
| 8/15/19 | IP-26                | 14                  | 16:53      | 16:57     | 30                       | 12.9            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-26                | 12                  | 16:57      | 17:01     | 30                       | 12.9            | 51.43                         | 51.43                        | Backpressure              |
| 8/15/19 | IP-26                | 10                  | 17:06      | 17:11     | 30                       | 10.3            | 51.43                         | 51.43                        |                           |

# REDOX TECH, LLC



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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.) |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---------------------------|
| 8/15/19 | IP-26                | 8                   | 17:11      | 17:14     | 30                       | 17.2            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-26                | 6                   | 17:14      | 17:17     | 25                       | 17.2            | 51.43                         | 51.43                        |                           |
| 8/15/19 | IP-22                | 20                  | 10:30      | 10:34     | 50                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 18                  | 10:34      | 10:37     | 50                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 16                  | 10:37      | 10:40     | 45                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 14                  | 10:43      | 10:46     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 12                  | 10:46      | 10:50     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 10                  | 10:53      | 10:56     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 8                   | 10:56      | 11:00     | 30                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-22                | 6                   | 11:00      | 11:03     | 30                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 20                  | 11:35      | 11:39     | 50                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 18                  | 11:39      | 11:43     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 16                  | 11:43      | 11:47     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 14                  | 11:50      | 11:54     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 12                  | 11:54      | 11:57     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 10                  | 12:01      | 12:04     | 35                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 8                   | 12:04      | 12:07     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-37                | 6                   | 12:07      | 12:10     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-36                | 20                  | 14:24      | 14:28     | 45                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-36                | 18                  | 14:28      | 14:32     | 40                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-36                | 16                  | 14:32      | 14:35     | 40                       | 15.0            | 45                            | 45                           |                           |
| 8/15/19 | IP-36                | 14                  | 14:37      | 14:41     | 30                       | 11.3            | 45                            | 45                           |                           |
| 8/15/19 | IP-36                | 12                  | 14:41      | 14:46     | 37                       | 9.0             | 45                            | 45                           |                           |

# REDOX TECH, LLC



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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)   |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/15/19 | IP-36                | 10                  | 14:49      | 14:53     | 30                       | 11.3            | 45                            | 45                           |   |
| 8/15/19 | IP-36                | 8                   | 14:53      | 14:56     | 35                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-36                | 6                   | N/A        | N/A       | N/A                      | 0.0             | 45                            | 0                            | Almost immediate daylighting, relocated to next location (IP-35) at 6ft |
| 8/15/19 | IP-35                | 20                  | 15:35      | 15:38     | 45                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 18                  | 15:38      | 15:41     | 45                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 16                  | 15:41      | 15:44     | 40                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 14                  | 15:49      | 15:52     | 40                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 12                  | 15:53      | 15:56     | 37                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 10                  | 16:01      | 16:04     | 30                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 8                   | 16:04      | 16:07     | 30                       | 15.0            | 45                            | 45                           |   |
| 8/15/19 | IP-35                | 6                   | 16:07      | 16:12     | 35                       | 18.0            | 90                            | 90                           | Added 6ft interval from IP-36   |
| 8/15/19 | IP-34                | 18                  | 16:40      | 16:45     | 50                       | 10.3            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 16                  | 16:45      | 16:50     | 50                       | 10.3            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 14                  | 16:53      | 16:58     | 35                       | 10.3            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 12                  | 16:58      | 17:03     | 40                       | 10.3            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 10                  | 17:09      | 17:12     | 35                       | 17.2            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 8                   | 17:12      | 17:17     | 35                       | 10.3            | 51.43                         | 51.43                        |   |
| 8/15/19 | IP-34                | 6                   | 17:17      | 17:20     | 30                       | 17.2            | 51.43                         | 51.43                        |   |
| 8/16/19 | IP-32                | 16                  | 9:14       | 9:19      | 40                       | 12.0            | 60                            | 60                           |   |
| 8/16/19 | IP-32                | 14                  | 9:23       | 9:26      | 30                       | 20.0            | 60                            | 60                           |   |
| 8/16/19 | IP-32                | 12                  | 9:26       | 9:30      | 30                       | 15.0            | 60                            | 60                           |   |
| 8/16/19 | IP-32                | 10                  | 9:32       | 9:37      | 30                       | 12.0            | 60                            | 60                           |   |

# REDOX TECH, LLC

"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)    |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|------------------------------|
| 8/16/19 | IP-32                | 8                   | 9:38       | 9:42      | 30                       | 15.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-32                | 6                   | 9:42       | 9:48      | 30                       | 10.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 16                  | 10:38      | 10:42     | 50                       | 15.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 14                  | 10:43      | 10:50     | 45                       | 8.6             | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 12                  | 10:51      | 10:54     | 45                       | 20.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 10                  | 10:58      | 11:02     | 30                       | 15.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 8                   | 11:02      | 11:07     | 40                       | 12.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-31                | 6                   | 11:07      | 11:12     | 40                       | 12.0            | 60                            | 60                           |                              |
| 8/16/19 | IP-30                | 12                  | 12:07      | 12:14     | 50                       | 12.9            | 90                            | 90                           | Refusal at 13ft              |
| 8/16/19 | IP-30                | 10                  | 12:17      | 12:23     | 30                       | 15.0            | 90                            | 90                           |                              |
| 8/16/19 | IP-30                | 8                   | 12:23      | 12:29     | 35                       | 15.0            | 90                            | 90                           |                              |
| 8/16/19 | IP-30                | 6                   | 12:29      | 12:34     | 35                       | 18.0            | 90                            | 90                           |                              |
| 8/16/19 | IP-29                | 12                  | 12:38      | 12:44     | 50                       | 15.0            | 90                            | 90                           | Refusal at 13ft              |
| 8/16/19 | IP-29                | 10                  | 12:47      | 12:54     | 40                       | 12.9            | 90                            | 90                           |                              |
| 8/16/19 | IP-29                | 8                   | 12:54      | 13:00     | 40                       | 15.0            | 90                            | 90                           |                              |
| 8/16/19 | IP-29                | 6                   | 13:00      | 13:03     | 30                       | 30.0            | 90                            | 90                           | Minor daylighting around rod |
| 8/16/19 | IP-28                | 14                  | 9:18       | 9:23      | 45                       | 14.4            | 72                            | 72                           |                              |
| 8/16/19 | IP-28                | 12                  | 9:23       | 9:27      | 45                       | 18              | 72                            | 72                           |                              |
| 8/16/19 | IP-28                | 10                  | 9:27       | 9:32      | 30                       | 14.4            | 72                            | 72                           |                              |
| 8/16/19 | IP-28                | 8                   | 9:37       | 9:42      | 30                       | 14.4            | 72                            | 72                           |                              |
| 8/16/19 | IP-28                | 6                   | 9:42       | 9:47      | 30                       | 14.4            | 72                            | 72                           |                              |
| 8/16/19 | IP-27                | 16                  | 10:25      | 10:30     | 40                       | 12              | 60                            | 60                           |                              |
| 8/16/19 | IP-27                | 14                  | 10:30      | 10:36     | 40                       | 10              | 60                            | 60                           |                              |

# REDOX TECH, LLC

"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date                                    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)                        |
|---|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/16/19                                 | IP-27                | 12                  | 10:36      | 10:42     | 40                       | 10              | 60                            | 60                           |  |
| 8/16/19                                 | IP-27                | 10                  | 10:45      | 10:50     | 40                       | 12              | 60                            | 60                           |  |
| 8/16/19                                 | IP-27                | 8                   | 10:50      | 10:54     | 30                       | 15              | 60                            | 60                           |  |
| 8/16/19                                 | IP-27                | 6                   | 10:54      | 10:57     | 30                       | 20              | 60                            | 60                           |  |
| 8/16/19                                 | IP-33                | 16                  | 11:19      | 11:25     | 45                       | 10              | 60                            | 60                           |  |
| 8/16/19                                 | IP-33                | 14                  | 11:25      | 11:30     | 40                       | 12              | 60                            | 60                           | Backpressure                                     |
| 8/16/19                                 | IP-33                | 12                  | 11:37      | 11:41     | 35                       | 15              | 60                            | 60                           |  |
| 8/16/19                                 | IP-33                | 10                  | 11:41      | 11:45     | 35                       | 15              | 60                            | 60                           |  |
| 8/16/19                                 | IP-33                | 8                   | 11:49      | 11:53     | 30                       | 15              | 60                            | 60                           |  |
| 8/16/19                                 | IP-33                | 6                   | 11:53      | 11:57     | 30                       | 15              | 60                            | 60                           |  |
| <b>Brown's Creek Injection Location</b> |                      |                     |            |           |                          |                 |                               |                              |  |
| 8/20/19                                 | IP-58                | 20                  | 12:05      | 12:16     | 30                       | 4.09            | 45                            | 45                           | Aro double diaphragm seized up, using Versamatic |
| 8/20/19                                 | IP-58                | 18                  | 12:16      | 12:26     | 10                       | 4.50            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 16                  | 12:26      | 12:35     | 10                       | 5.00            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 14                  | 12:42      | 12:47     | 10                       | 9.00            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 12                  | 12:47      | 12:53     | 10                       | 7.50            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 10                  | 12:56      | 13:02     | 0                        | 7.50            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 8                   | 13:02      | 13:09     | 0                        | 6.43            | 45                            | 45                           |  |
| 8/20/19                                 | IP-58                | 6                   | 13:09      | 13:16     | 0                        | 6.43            | 45                            | 45                           |  |
| 8/20/19                                 | IP-41                | 20                  | 13:45      | 13:53     | 30                       | 5.63            | 45                            | 45                           |  |
| 8/20/19                                 | IP-41                | 18                  | 13:53      | 14:02     | 25                       | 5.00            | 45                            | 45                           |  |
| 8/20/19                                 | IP-41                | 16                  | 14:02      | 14:11     | 25                       | 5.00            | 45                            | 45                           |  |

# REDOX TECH, LLC



"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)  |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/20/19 | IP-41                | 14                  | 14:31      | 14:40     | 25                       | 5.00            | 45                            | 45                           |  |
| 8/20/19 | IP-41                | 12                  | 14:40      | 14:50     | 25                       | 4.50            | 45                            | 45                           |  |
| 8/20/19 | IP-41                | 10                  | 15:00      | 15:06     | 25                       | 7.50            | 45                            | 45                           |  |
| 8/20/19 | IP-41                | 8                   | 15:06      | 15:09     | 20                       | 15.00           | 45                            | 45                           |  |
| 8/20/19 | IP-41                | 6                   | 15:09      | 15:20     | 20                       | 4.09            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 20                  | 15:39      | 15:46     | 30                       | 6.43            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 18                  | 15:46      | 15:56     | 30                       | 4.50            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 16                  | 15:56      | 16:06     | 25                       | 4.50            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 14                  | 16:10      | 16:19     | 25                       | 5.00            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 12                  | 16:19      | 16:29     | 25                       | 4.50            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 10                  | 16:32      | 16:42     | 20                       | 4.50            | 45                            | 45                           |  |
| 8/20/19 | IP-57                | 8                   | 16:42      | 16:55     | 5                        | 0.77            | 45                            | 10                           | Flowrate reduced, OBC bubbling up out of ground                  |
| 8/20/19 | IP-57                | 6                   | N/A        | N/A       | N/A                      | N/A             | 45                            | 0                            | Daylighting continued so remaining 80 gal divided up among IP-56 |
| 8/20/19 | IP-56                | 20                  | 17:05      | 17:15     | 30                       | 5.50            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 18                  | 17:15      | 17:24     | 25                       | 6.11            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 16                  | 17:24      | 17:33     | 25                       | 6.11            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 14                  | 17:37      | 17:47     | 25                       | 5.50            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 12                  | 17:47      | 17:57     | 25                       | 5.50            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 10                  | 18:02      | 18:17     | 25                       | 3.67            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 8                   | 18:17      | 18:35     | 25                       | 3.06            | 55                            | 55                           |  |
| 8/20/19 | IP-56                | 6                   | 18:35      | 18:56     | 5                        | 2.62            | 55                            | 55                           |  |

# REDOX TECH, LLC

*"Providing Innovative In Situ Soil and Groundwater Treatment"*

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)  |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/21/19 | IP-47                | 12                  | 11:11      | 11:45     | 25                       | 2.65            | 90                            | 90                           | Tip jammed, center rods used   |
| 8/21/19 | IP-47                | 10                  | 11:45      | 12:00     | 10                       | 6.00            | 90                            | 90                           | ARO diaphragm fixed & using now  |
| 8/21/19 | IP-47                | 8                   | 12:18      | 12:25     | 15                       | 12.86           | 90                            | 90                           | Daylighting from multiple locations around rig                           |
| 8/21/19 | IP-47                | 6                   | N/A        | N/A       | N/A                      | N/A             | 90                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 18                  | 15:28      | 15:38     | 20                       | 7.20            | 72                            | 72                           | Pumping at low pressure/flowrate trying to avoid daylighting, daylighted |
| 8/21/19 | IP-51                | 16                  | N/A        | N/A       | N/A                      | N/A             | 72                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 14                  | N/A        | N/A       | N/A                      | N/A             | 72                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 12                  | N/A        | N/A       | N/A                      | N/A             | 72                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 10                  | N/A        | N/A       | N/A                      | N/A             | 72                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 8                   | N/A        | N/A       | N/A                      | N/A             | 45                            | 0                            | IP abandoned   |
| 8/21/19 | IP-51                | 6                   | N/A        | N/A       | N/A                      | N/A             | 45                            | 0                            | IP abandoned   |
| 8/22/19 | IP-42                | 20                  | 10:24      | 10:27     | 30                       | 15.00           | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 18                  | 10:27      | 10:30     | 30                       | 15.00           | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 16                  | 10:30      | 10:35     | 30                       | 9.00            | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 14                  | 10:41      | 10:45     | 35                       | 11.25           | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 12                  | 10:45      | 10:50     | 35                       | 9.00            | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 10                  | 10:54      | 10:58     | 25                       | 11.25           | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 8                   | 10:58      | 11:01     | 25                       | 15.00           | 45                            | 45                           |  |
| 8/22/19 | IP-42                | 6                   | 11:01      | 11:04     | 20                       | 15.00           | 45                            | 45                           |  |
| 8/22/19 | IP-63                | 20                  | 14:03      | 14:06     | 25                       | 15.00           | 45                            | 45                           |  |
| 8/22/19 | IP-63                | 18                  | 14:06      | 14:09     | 25                       | 15.00           | 45                            | 45                           |  |



# REDOX TECH, LLC



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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)                                     |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/22/19 | IP-63                | 16                  | 14:09      | 14:14     | 25                       | 9.00            | 45                            | 45                           |   |
| 8/22/19 | IP-63                | 14                  | 14:21      | 14:24     | 25                       | 15.00           | 45                            | 45                           |   |
| 8/22/19 | IP-63                | 12                  | 14:24      | 14:27     | 25                       | 15.00           | 45                            | 45                           | Backpressure & influence on MW-38, delay for crew to cap well |
| 8/22/19 | IP-63                | 10                  | 15:07      | 15:10     | 25                       | 15.00           | 45                            | 45                           |   |
| 8/22/19 | IP-63                | 8                   | 15:10      | 15:13     | 25                       | 15.00           | 45                            | 45                           |   |
| 8/22/19 | IP-63                | 6                   | 15:13      | 15:16     | 25                       | 15.00           | 45                            | 45                           |   |
| 8/22/19 | IP-62                | 18                  | 15:32      | 15:36     | 35                       | 12.86           | 51.43                         | 51.43                        |   |
| 8/22/19 | IP-62                | 16                  | 15:36      | 15:40     | 30                       | 12.86           | 51.43                         | 51.43                        |   |
| 8/22/19 | IP-62                | 14                  | 15:44      | 15:48     | 30                       | 12.86           | 51.43                         | 51.43                        |   |
| 8/22/19 | IP-62                | 12                  | 15:48      | 15:53     | 30                       | 10.29           | 51.43                         | 51.43                        |   |
| 8/22/19 | IP-62                | 10                  | 15:58      | 16:02     | 30                       | 12.86           | 51.43                         | 51.43                        | Daylighting after interval finished                           |
| 8/22/19 | IP-62                | 8                   | N/A        | N/A       | N/A                      | N/A             | 51.43                         | 0                            | IP abandoned, remaining volume distributed among next point   |
| 8/22/19 | IP-62                | 6                   | N/A        | N/A       | N/A                      | N/A             | 51.43                         | 0                            |   |
| 8/22/19 | IP-43                | 20                  | 16:45      | 16:51     | 25                       | 10.36           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 18                  | 16:51      | 16:57     | 30                       | 10.36           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 16                  | 16:57      | 17:03     | 25                       | 10.36           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 14                  | 17:07      | 17:12     | 25                       | 12.43           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 12                  | 17:12      | 17:16     | 25                       | 15.54           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 10                  | 17:17      | 17:21     | 25                       | 15.54           | 62.17                         | 62.17                        |   |
| 8/22/19 | IP-43                | 8                   | 17:21      | 17:24     | 25                       | 15.00           | 45                            | 45                           |   |
| 8/22/19 | IP-43                | 6                   | 17:24      | 17:27     | 25                       | 15.00           | 45                            | 45                           |   |

# REDOX TECH, LLC

"Providing Innovative In Situ Soil and Groundwater Treatment"

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)              |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|--|
| 8/23/19 | IP-64                | 16                  | 9:50       | 9:55      | 30                       | 12.00           | 60                            | 60                           |  |
| 8/23/19 | IP-64                | 14                  | 9:55       | 10:00     | 25                       | 12.00           | 60                            | 60                           |  |
| 8/23/19 | IP-64                | 12                  | 10:00      | 10:05     | 25                       | 12.00           | 60                            | 60                           |  |
| 8/23/19 | IP-64                | 10                  | 10:09      | 10:14     | 25                       | 12.00           | 60                            | 60                           |  |
| 8/23/19 | IP-64                | 8                   | 10:14      | 10:18     | 25                       | 15.00           | 60                            | 60                           |  |
| 8/23/19 | IP-64                | 6                   | 10:18      | 10:22     | 25                       | 15.00           | 60                            | 60                           |  |
| 8/23/19 | IP-55                | 20                  | 11:03      | 11:06     | 40                       | 15.00           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 18                  | 11:06      | 11:09     | 40                       | 15.00           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 16                  | 11:09      | 11:13     | 40                       | 11.25           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 14                  | 11:18      | 11:22     | 25                       | 11.25           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 12                  | 11:22      | 11:26     | 25                       | 11.25           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 10                  | 11:37      | 11:41     | 30                       | 11.25           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 8                   | 11:41      | 11:45     | 30                       | 11.25           | 45                            | 45                           |  |
| 8/23/19 | IP-55                | 6                   | 11:45      | 11:48     | 30                       | 15.00           | 45                            | 45                           |  |
| 8/23/19 | IP-54                | 8                   | 14:15      | 14:40     | 30                       | 12.60           | 315                           | 315                          |  |
| 8/23/19 | IP-54                | 6                   | 14:40      | 14:43     | 25                       | 15.00           | 45                            | 45                           |  |
| 8/23/19 | IP-53                | 16                  | 14:58      | 15:03     | 35                       | 12.00           | 60                            | 60                           |  |
| 8/23/19 | IP-53                | 14                  | 15:03      | 15:09     | 30                       | 10.00           | 60                            | 60                           |  |
| 8/23/19 | IP-53                | 12                  | 15:09      | 15:13     | 30                       | 15.00           | 60                            | 60                           |  |
| 8/23/19 | IP-53                | 10                  | 15:19      | 15:23     | 30                       | 15.00           | 60                            | 60                           |  |
| 8/23/19 | IP-53                | 8                   | 15:23      | 15:27     | 30                       | 15.00           | 60                            | 60                           |  |
| 8/23/19 | IP-53                | 6                   | 15:27      | 15:31     | 20                       | 15.00           | 60                            | 60                           |  |
| 8/26/19 | IP-46                | 16                  | 11:49      | 11:53     | 50                       | 15.00           | 60                            | 60                           | 663 lbs OBC/point for remaining 10 IPs |

# REDOX TECH, LLC



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| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)                 |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/26/19 | IP-46                | 14                  | 11:58      | 12:03     | 50                       | 12.00           | 60                            | 60                           |   |
| 8/26/19 | IP-46                | 12                  | 12:03      | 12:07     | 50                       | 15.00           | 60                            | 60                           |   |
| 8/26/19 | IP-46                | 10                  | 12:15      | 12:20     | 40                       | 12.00           | 60                            | 60                           |   |
| 8/26/19 | IP-46                | 8                   | 12:20      | 12:25     | 40                       | 12.00           | 60                            | 60                           |   |
| 8/26/19 | IP-46                | 6                   | 12:25      | 12:29     | 40                       | 15.00           | 60                            | 60                           |   |
| 8/26/19 | IP-45                | 10                  | 14:24      | 14:36     | 40                       | 10.00           | 120                           | 120                          |   |
| 8/26/19 | IP-45                | 8                   | 14:36      | 14:49     | 35                       | 9.23            | 120                           | 120                          |   |
| 8/26/19 | IP-45                | 6                   | 14:49      | 15:00     | 35                       | 10.91           | 120                           | 120                          |   |
| 8/26/19 | IP-48                | 20                  | 15:53      | 15:56     | 40                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 18                  | 15:56      | 16:00     | 40                       | 11.25           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 16                  | 16:00      | 16:03     | 40                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 14                  | 16:08      | 16:11     | 35                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 12                  | 16:12      | 16:16     | 35                       | 11.25           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 10                  | 16:20      | 16:23     | 35                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 8                   | 16:23      | 16:27     | 35                       | 11.25           | 45                            | 45                           |   |
| 8/26/19 | IP-48                | 6                   | 16:27      | 16:30     | 35                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-61                | 20                  | 17:00      | 17:03     | 45                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-61                | 18                  | 17:03      | 17:07     | 40                       | 11.25           | 45                            | 45                           |   |
| 8/26/19 | IP-61                | 16                  | 17:07      | 17:10     | 40                       | 15.00           | 45                            | 45                           | Delay for phone call about stolen trailer |
| 8/26/19 | IP-61                | 14                  | 17:25      | 17:28     | 40                       | 15.00           | 45                            | 45                           |   |
| 8/26/19 | IP-61                | 12                  | 17:28      | 17:32     | 40                       | 11.25           | 45                            | 45                           |   |
| 8/26/19 | IP-61                | 10                  | 17:40      | 17:43     | 40                       | 15.00           | 45                            | 45                           | Backpressure                              |
| 8/26/19 | IP-61                | 8                   | 17:43      | 17:46     | 35                       | 15.00           | 45                            | 45                           |   |

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*"Providing Innovative In Situ Soil and Groundwater Treatment"*

**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)   |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/26/19 | IP-61                | 6                   | 17:46      | 17:49     | 30                       | 15.00           | 45                            | 45                           |   |
| 8/27/19 | IP-44                | 8                   | 12:15      | 12:45     | 40                       | 10.50           | 315                           | 315                          |   |
| 8/27/19 | IP-44                | 6                   | 12:45      | 12:49     | 30                       | 11.25           | 45                            | 45                           |   |
| 8/27/19 | IP-52                | 16                  | 14:53      | 14:58     | 40                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-52                | 14                  | 14:58      | 15:03     | 30                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-52                | 12                  | 15:03      | 15:08     | 30                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-52                | 10                  | 15:15      | 15:20     | 30                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-52                | 8                   | 15:20      | 15:25     | 30                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-52                | 6                   | 15:25      | 15:30     | 30                       | 12.00           | 60                            | 60                           |   |
| 8/27/19 | IP-49                | 12                  | 16:42      | 16:51     | 55                       | 10.00           | 90                            | 90                           |   |
| 8/27/19 | IP-49                | 10                  | 16:56      | 17:05     | 40                       | 10.00           | 90                            | 90                           |   |
| 8/27/19 | IP-49                | 8                   | 17:05      | 17:13     | 40                       | 11.25           | 90                            | 90                           |   |
| 8/27/19 | IP-49                | 6                   | 17:13      | 17:21     | 40                       | 11.25           | 90                            | 90                           |   |
| 8/27/19 | IP-60                | 8                   | 17:52      | 18:08     | 30                       | 10.00           | 315                           | 160                          | Started daylighting halfway through interval, injection will be continued 8/28      |
| 8/28/19 | IP-60                | 8                   | 9:15       | 9:25      | 40                       | 10.00           | 155                           | 100                          | Daylighting from same location as yesterday. pulling off points and moving to IP-59 |
| 8/28/19 | IP-60                | 6                   | N/A        | N/A       | N/A                      | N/A             | 45                            | 0                            | Remaining 100 gal from IP 60 split up among 14, 12, and 10 ft                       |
| 8/28/19 | IP-59                | 14                  | 9:52       | 10:02     | 55                       | 12.33           | 123.33                        | 123.33                       |   |
| 8/28/19 | IP-59                | 12                  | 10:02      | 10:14     | 40                       | 10.28           | 123.33                        | 123.33                       |   |
| 8/28/19 | IP-59                | 10                  | 10:18      | 10:29     | 40                       | 11.21           | 123.33                        | 123.33                       |   |

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**Table 1. Injection Logs**

| Date    | Injection Point (IP) | Depth Interval (ft) | Start Time | Stop Time | Injection Pressure (psi) | Flow Rate (gpm) | Planned Volume Injected (gal) | Actual Volume Injected (gal) | Notes (flow change, etc.)                     |
|---------|----------------------|---------------------|------------|-----------|--------------------------|-----------------|-------------------------------|------------------------------|---|
| 8/28/19 | IP-59                | 8                   | 10:29      | 10:34     | 35                       | 9.00            | 45                            | 45                           | Flowrate reduced to try and avoid daylighting |
| 8/28/19 | IP-59                | 6                   | 10:34      | 10:40     | 35                       | 7.50            | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 20                  | 11:56      | 12:00     | 30                       | 11.25           | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 18                  | 12:00      | 12:05     | 30                       | 9.00            | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 16                  | 12:05      | 12:09     | 25                       | 11.25           | 45                            | 45                           | Injection hose clogged                        |
| 8/28/19 | IP-50                | 14                  | 12:58      | 13:01     | 35                       | 15.00           | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 12                  | 13:01      | 13:05     | 30                       | 11.25           | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 10                  | 13:08      | 13:11     | 30                       | 15.00           | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 8                   | 13:11      | 13:14     | 30                       | 15.00           | 45                            | 45                           |   |
| 8/28/19 | IP-50                | 6                   | 13:14      | 13:17     | 30                       | 15.00           | 45                            | 45                           |   |

Note: IP = Injection Point, ft = feet, psi = pounds per square inch, gpm = gallons per minute, gal = gallons, OBC = Oxygen Biochem

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**Table 2. Points that Daylighted and/or Received more/less than Proposed Dosage OBC**

| Injection Point                          | Vol OBC (gal) | Mass OBC (lbs) | Notes  |
|--|---------------|----------------|--|
| <b>Cupboard Creek Injection Location</b> |               |                |  |
| IP-11                                    | 135           | 225            | Daylighted   |
| IP-12                                    | 327           | 545            | Daylighted   |
| IP-12A                                   | 230           | 383.3          | Took volume remaining from IP-12   |
| IP-35                                    | 405           | 675            | Took volume remaining from IP-36   |
| IP-36                                    | 315           | 525            | Daylighted   |
| IP-39                                    | 236           | 393.3          | Daylighted   |
| IP-39A                                   | 124           | 206.6          | Took volume remaining from IP-39   |
| <b>Brown's Creek Injection Location</b>  |               |                |  |
| IP-43                                    | 463           | 771.7          | Took volume remaining from IP-62   |
| IP-44                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-45                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-46                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-47                                    | 270           | 450            | Daylighted   |
| IP-48                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-49                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-50                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-51                                    | 72            | 120            | Daylighted   |
| IP-52                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-56                                    | 440           | 733.3          | Took volume remaining from IP-57 in addition to regular batch (360 gal/600 lbs)                        |
| IP-57                                    | 280           | 466.6          | Daylighted   |
| IP-59                                    | 460           | 847.17         | Took volume remaining from IP-60 (concentrated batch) in addition to concentrated 360 gal/663 lb batch |
| IP-60                                    | 260           | 478.83         | Daylighted   |
| IP-61                                    | 360           | 663            | Received 63 additional lbs OBC   |
| IP-62                                    | 257.15        | 428.6          | Daylighted   |

Note: IP = Injection Point, ft = feet, psi = pounds per square inch, gpm = gallons per minute, gal = gallons, OBC = Oxygen Biochem