111 Corning Road, Suite 116
Cary, North Carolina 27518
United States
T +1.919.859.5001
www.jacobs.com

March 25, 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: **Fourth 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 Fourth Quarter 2019 Monitoring Report presents a summary of the work performed at the Lewis Drive Remediation Site in Belton, South Carolina between October 1 and December 31, 2019.

The December 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 the South Carolina Department of Health and Environmental Control (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, soil borings, and surface water monitoring locations.

Summary of Gauging and Product Recovery

Select monitoring wells and surface water locations were gauged during the mid-quarter event, and sitewide gauging that included product recovery features (recovery sumps, trenches, and wells) was conducted during the quarterly event. Almost all monitoring wells and recovery features (with the exception of RS-14, 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 December 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 December 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), Hayfield Zone, and Shallow Bedrock Zone (SBZ) in recovery wells, sumps, and trenches. During the quarterly event, the field team recorded the product collected from each canister. The volume of product collected from the canisters was measured in a stainless-steel measuring cup, documented, and placed into onsite poly tanks for temporary storage, separation, and offsite disposal. Table 3 shows the dates and quantities of product that was recovered.

During this reporting period, only 0.02 gallon of product was recovered at the site, with 72.7 percent of that recovered from RW-07. Product thicknesses continue to be minimal across the site. In December 2019, measurable product thicknesses were observed at only 10 of 97 features monitored, ranging from 0.01 foot in MW-11 and RW-15 to 0.16 foot in RW-07. Most notably, no monitoring well locations within the BCPZ or the CCPZ contained measurable product; only one recovery feature in CCPZ (RW-11) and one recovery feature in BCPZ (RW-07) contained product. Product thickness and well gauging data are presented in Table 2. Figure 3 presents measurable product data at the site. Hydrographs for select monitoring wells and recovery features representative of approximate product thickness trends are provided in Attachment A.

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. Monthly surface water samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and methyl tertiary butyl ether (MTBE) using U.S. Environmental Protection Agency (EPA) Method 8260B.

During this reporting period, dissolved hydrocarbons were detected in surface water at 5 of the 13 locations sampled: SW-01, SW-02, SW-04, SW-12, and SW-13 (Table 4A). Benzene was the only constituent that exceeded the surface water standard for protection of human health for consumption of water and organisms (2.2 micrograms per liter [µg/L]; DHEC, 2014) and was isolated to SW-02 during the December 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, and for SW-13 show a data gap for March 2019 and September 2019, respectively, because these locations were dry and did not allow for sample collection. Laboratory reports for surface water samples and chain-of-custody records are included in Attachment D.

Summary of Groundwater Results

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

Groundwater monitoring results for this reporting period demonstrate continued decreases in dissolved concentrations of hydrocarbons and stabilization of the extent of these dissolved concentrations sitewide. An exception is MW-23 in the CCPZ, which showed an increasing trend in 2019, but during this latest quarter had a benzene concentration that decreased 80.5 percent since the September 2019 event. Most bedrock wells, which are outside the radius of influence of vertical air sparge (VAS) and horizontal air sparge (HAS) systems, and the SBZ have stable dissolved concentrations. An exception is MW-15B, which has shown an order of magnitude increase of dissolved concentrations in the past, and stable 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 December 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 chain-of-custody records for this reporting period are provided in Attachment D.

Browns Creek Protection Zone

Remediation in the BCPZ shows 13 of the 20 wells below TSLs or nondetect, with the remaining wells only showing exceedances of benzene and MTBE, and a single toluene exceedance at MW-15B.

- Upgradient monitoring well MW-28 has shown an increase in BTEX concentrations since the last quarterly sampling event, with benzene exceeding its TSL.
- Dissolved concentrations in residuum and bedrock wells that are side-gradient of and within the AS system have decreased or remained stable since the last quarterly event. The benzene concentration in MW-12B has continued to decrease and is now below its respective TSL for the first time since March 2018. Remaining monitoring wells have concentrations below TSLs or nondetect with the exception of MW-15B. This location shows stable trends since the last quarterly event with exceedances of benzene, toluene, and MTBE. The upgradient expansion of the AS wells may be influencing the presence of dissolved concentrations at MW-15B.
- Benzene concentrations at MW-38 had an increasing trend at the beginning of 2019 but have an overall decrease since September 2019 and, as of this reporting period, benzene is below its TSL for the first time since November 2017.
- Benzene concentrations have fluctuated at downgradient monitoring well MW-34 since June 2018 but project an overall stable trend. The residual levels in MW-34 may be due to its poor hydraulic connectivity as this well purges dry quickly and is slow to recharge. As a result, the residual levels in this well are not believed to be representative of the nearby groundwater.
- Downgradient monitoring well MW-39 has shown stable concentrations with only benzene and MTBE exceeding TSLs.
- Downgradient monitoring well MW-40 has shown an increase in benzene concentrations since the last quarterly event with benzene exceeding its TSL.

Cupboard Creek Protection Zone

Dissolved concentrations in the CCPZ have stabilized in four of eight residuum wells with a continued decreasing trend in MW-23 and MW-46 and only slight increases at MW-56 and MW-57. The only TSL exceedances in this zone are for benzene and MTBE, with the exception of MW-20 which also has an exceedance for toluene.

- MW-20 is within the influence of the AS system and has had decreasing product occurrence and stable BTEX concentrations since February 2019.
- MW-23 is downgradient of the AS system and has shown an 80.5 percent decrease in benzene concentrations and 58.2 percent decrease in MTBE concentrations since the September 2019 event. All other constituents are below their respective TSLs.
- Since oxidant injections performed in August 2019, downgradient monitoring well MW-46 continues to show decreasing trends for all constituents analyzed. Benzene concentrations from August 2019 to December 2019 decreased 99.2 percent with benzene just slightly above the TSL of 5 µg/L.
- Concentrations at MW-56 and MW-57 have increased since the last quarterly sampling event; however, benzene concentrations at these two locations still show an overall decrease of 78.4 percent (MW-56) and 75.6 percent (MW-57) compared to concentrations before the injections in August 2019.
- MW-19 is within the AS system and concentrations have continued to be below TSLs since June 2018.
- No constituents were detected in downgradient monitoring wells MW-23B, MW-26, MW-26B, and MW-29.

Hayfield Zone

Measurable product was not detected within the Hayfield Zone in 2019 and 28 of the 37 Hayfield area monitoring wells were below TSLs, demonstrating the effectiveness of the system. Detections in MW-16 and MW-18, both within the area of influence, are below TSLs for the first time. Only one residuum and three bedrock wells still show detections above TSLs.

- MW-36 was the only residuum monitoring well with an exceedance of benzene during the December 2019 sampling event. Even though it is downgradient and not within the direct influence of the AS, the benzene concentration has decreased 48.6 percent as of the last quarterly event.
- Five residuum wells, outside the area of influence, were not sampled due to insufficient water (MW-07, MW-13, MW-17, MW-30, and MW-45). Historically, with the exception of MW-30, all of these wells have had a TSL exceedance for benzene, with MW-07 and MW-45 also having had exceedances for toluene and MTBE, respectively.
- Dissolved concentrations detected above TSLs in 3 of the 10 bedrock wells are outside the influence of the AS system with benzene concentrations ranging from 5.69 µg/L in MW-14B to 6,960 µg/L in MW-17B during the December 2019 event. All other bedrock wells in the Hayfield Zone were nondetect or below TSLs, with MW-50B below TSLs for the first time since June 2018.
  - Ethylbenzene, toluene, naphthalene, and MTBE exceeded the TSLs at MW-17B, which is upgradient of the Cupboard Creek AS curtain.
  - MTBE exceeded its TSL in MW-13B.

Shallow Bedrock Zone

The residuum and bedrock wells in the SBZ have been nondetect or below TSLs since March 2019 with the exception of MW-11. MW-11 has been sampled quarterly since March 2019 with stable BTEX concentrations; however, measurable product (0.01 foot) was observed during this quarter. MW-11 is in the area of the expanded AS system, which is expected to influence BTEX groundwater concentrations in the area of, and downgradient to, MW-11 prior to hydraulic connection with the Browns Creek area (Figure 4A).

Summary of Air Sparging System Operation/Maintenance and Efficiency

The average runtime for the AS system during this reporting period was approximately 86 percent. Air compressor downtime experienced during this reporting period was associated with routine maintenance

visits and sampling, high-temperature shutdowns, and electrical breaker interruption causing compressor stoppages.

There were approximately 8 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. Approximately 25 days of unscheduled downtime occurred because one or both compressors failed due to a faulty electrical breaker. AS system troubleshooting of the electrical system was performed on October 8, 2019, and identified a faulty breaker. It was also determined that the breaker would be upgraded from a 300-ampere (amp) breaker to a 350-amp breaker. The AS system has not had any unscheduled interruptions associated with the breakers since this upgrade.

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 8.6 standard cubic feet per minute (scfm) per sparging well during the reporting period. Additionally, air was injected into two surface water submersible diffusion aerators installed in Browns Creek. The flow rates in the aerators averaged approximately 14.8 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 8.7 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 0.67 scfm per foot of screen during this reporting period, resulting in average flow rates of 505, 479, and 255 scfm per well, respectively. Sparging at the HAS wells was continuous during system operation.

To improve the effectiveness of the VAS wells in the areas of measurable light nonaqueous phase liquid (LNAPL), flowrates in select wells were increased 2 scfm per week starting on December 6, 2019.

Additional Activities

Below is a summary of the additional activities performed during October through December 2019:

- Groundwater samples were collected from two agricultural wells on property owned by Mr. O'Dell. Results will be submitted to Mr. O'Dell and to DHEC in separate transmittals.
- Petroleum-contaminated water was removed from the onsite storage tanks and transported to a permitted facility on October 25, 2019, by A&D Environmental Services.

Summary of Findings

The following conclusions are based on site work performed during this reporting period between October 1 and December 31, 2019:

- The presence of free-phase petroleum has been significantly reduced at the site. Of the 97 monitoring features gauged, 10 locations had measurable product with only 3 of these locations having a product thickness equal to or greater than 0.1 foot. Free-phase product has not been detected within the treatment zones at Cupboard Creek and Browns Creek except in RW-11 in the CCPZ and RW-07 in the BCPZ.
- The sitewide remedial efforts have been effective in establishing treatment zones to protect Browns Creek and Cupboard Creek from the migration of impacted groundwater. Only minor impacts remain downgradient of the Browns Creek treatment system in MW-34, MW-39, and MW-40. It is believed that MW-34 is not hydraulically connected to the groundwater and is not representative of groundwater in that area. Impacts within Cupboard Creek at MW-20 and MW-23 remain and will be

assessed in 2020 as to whether these areas are being sufficiently treated by the AS system and if changes are needed for remedial performance improvement.

- Oxidant injections, outside the direct influence of the AS system and upgradient from Cupboard Creek (CCPZ) and Browns Creek (BCPZ), decreased benzene concentrations. The benzene concentration at MW-38 has decreased approximately 99.8 percent since June 2019 and is now below respective TSL for the first time since November 2017. Benzene has also continued to decrease at MW-46 since the injections conducted in August 2019 and has decreased approximately 99.45 percent since the June 2019 event. Monitoring well locations MW-56 and MW-57 have shown a slight increase in benzene since the last quarterly event in September 2019; however, benzene concentrations have an overall decrease of 78.4 percent at MW-56, and 75.6 percent at MW-57 since before the injections in August 2019.
- Hayfield Zone remediation has resulted in no wells with TSL exceedances within the influence of the AS system. Only monitoring wells outside the influence of the AS (one residuum and three bedrock wells) have detections above TSLs.
- 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-02 in December 2019. However, benzene was nondetect or below the screening value for all other surface water sampling locations during this reporting period.
- During this reporting period, the AS system was operating at approximately 86 percent for the reporting period and 93 percent following the electrical breaker upgrade. Operating flows in the stream aerators, HAS wells, and VAS wells were maintained at approximately 99 percent, 90 percent, and 58 percent of design flow capacity, respectively.
- MW-38 (BCPZ), MW-23, MW-46, MW-56, and MW-57 (CCPZ), and MW-7, MW-36, and MW-45 (Hayfield Zone) had residual concentrations outside the influence of the AS system. These locations are downgradient or side-gradient of the system and will be addressed with future activities (discussed below) being considered. 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, optimize the AS system, and identify areas for potential additional remediation.
- Concentrations in the areas of MW-46, MW-56, and MW-57 (CCPZ), and monitoring well MW-38 (BCPZ) will be assessed for 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 AS system at Cupboard Creek and Browns Creek will be developed should an AS system 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 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 AS system will be submitted for DHEC approval.

JACOBS

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.

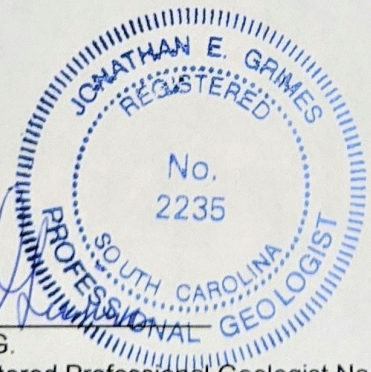
South Carolina Department of Health and Environmental Control (DHEC). 2019. *Review of Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 31, 2020) and concurrence with Table 1. Lewis Drive Remediation Site, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number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

March 25, 2020
Date

Copies to: Jerry Aycock/Plantation (Digital, Jerry_Aycock@kindermorgan.com)
Mary Clair Lyons, Esq., Plantation (Digital, Mary_Lyons@kindermorgan.com)
Richard Morton, Esq., Womble Bond Dickinson, LLP (Digital, ric.morton@wbd-us.com)
File

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, Fourth Quarter 2019
Table 4B – Analytical Results for Surface Water, Historical
Table 5A – Analytical Results for Groundwater, Fourth Quarter 2019
Table 5B – Analytical Results for Groundwater, Historical

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, August/September 2019, and November/December 2019
Figure 4B – Groundwater Analytical Results in Bedrock Aquifer, June 2019, September 2019, and December 2019

Attachment A – Product Thickness Trends
Attachment B – Surface Water Analytical Trends
Attachment C – Groundwater Analytical Trends
Attachment D – Analytical Laboratory Reports

Tables

Table 1. Field Observation Log

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Date	Inspect Cupboard Creek Zone and Wetlands South of Calhoun Road (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Browns Creek Upstream and Downstream of the Culvert Under Lewis Drive (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hayfield Area (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Shallow Bedrock Zone Area (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-02 (Any odor, sheen, or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-04 (Any odor, sheen, or distressed vegetation? Describe.)
10/22/2019	Vegetation beginning to grow in areas around injection points. No flowing water toward SW-14. Vegetation near MW-57 is showing signs of regrowth.	No observed sheen or odors. Orange flocculant around culvert by SW-10. Beaver action steady. Tadpoles, frogs, fish, and birds observed within Browns Creek area. New grass growing along cleared right-of-way.	No close observations made in this area.	No change since last visit.	Vegetation was cleared along right-of-way path and toward SW-02 and SW-04. No suspicious trash along hillside. Turtle trap located near SW-02.	Game trail entering area of SW-04. Fish and tadpoles observed. No suspicious trash along hillside.
11/7/2019	Conditions good. Nothing to report.	Water level much higher on south side of Lewis Drive.	Grass recently cut, no distressed vegetation. Hot tub dumped in the north side of the hayfield.	Silt fence removed by grounds crew. Partially dead tree located in this area.	Area clear. Right-of-way has just been mowed.	Conditions good. Nothing to report.
12/20/2019	Dead vegetation near MW-57 has not increased in area. No sheen or odor was observed near SW-14. Water bodies from Calhoun Road to SW-14 were dry. Grass growth in the post-injection area has covered the disturbed area.	Water level has increased since previous quarterly event. Beavers are active in area. No sheen, odors, or distressed vegetation. Grass growth in the post-injection area has covered the disturbed area.	Hayfield area was recently cut. Air sparging could be heard along the tree line near MW-10 and MW-03. Hot tub still in north area of hayfield. Tire tracks observed along tree line.	No major changes to shallow bedrock zone. Half of the oak tree near MW-27 is dead.	No suspicious trash observed. A television was thrown along the hillside leading to SW-02. Water levels in this area have increased since last event.	The new culvert has potentially caused the water body to shift closer to MW-38 and MW-37.

Note:
ID = identification
MW = monitoring well
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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-01					853.07			
	12/16/2019	-	3.99	-		849.08	-	
MW-01B					852.99			
	12/16/2019	-	11.61	-		841.38	-	
MW-02					841.04			
	12/16/2019	-	-	-		841.04	-	sparging out of well casing
MW-02B					841.19			
	12/16/2019	-	10.72	-		830.47	-	
MW-03					838.36			
	12/16/2019	-	7.80	-		830.56	-	air sparging on
MW-04					844.42			
	12/16/2019	-	13.57	-		830.85	-	
MW-05					851.11			
	12/16/2019	-	17.70	-		833.41	-	
MW-06					852.92			
	12/16/2019	-	14.89	-		838.03	-	
MW-06B					852.57			
	12/16/2019	-	14.90	-		837.67	-	
MW-07					853.02			
	12/16/2019	-	-	-		853.02	-	Dry
	11/4/2019	-	13.23	-		839.79	-	
MW-08					844.72			
	12/16/2019	-	5.49	-		839.23	-	inconsistent gauging numbers
MW-09					843.63			
	12/16/2019	-	-	-		843.63	-	water sparging out of well
MW-09B					843.92			
	12/16/2019	-	11.31	-		832.61	-	
MW-10					845.41			
	12/16/2019	-	16.77	-		828.64	-	
MW-11					855.63			
	12/16/2019	31.72	31.73	0.01		823.90	823.91	
MW-12					834.53			
	12/16/2019	-	14.68	-		819.85	-	
MW-12B					834.98			
	12/16/2019	-	14.64	-		820.34	-	
	11/4/2019	-	15.39	-		819.59	-	
MW-13					848.84			
	12/16/2019	-	-	-		848.84	-	Dry

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-13B					849.82			
	12/16/2019	-	24.25	-		825.57	-	
MW-14					838.70			
	12/16/2019	-	17.79	-		820.91	-	
MW-14B					840.20			
	12/16/2019	-	19.62	-		820.58	-	
MW-15					831.03			
	12/16/2019	-	12.27	-		818.76	-	
MW-15B					831.29			
	12/16/2019	-	15.19	-		816.10	-	Odor
	11/4/2019	-	15.90	-		815.39	-	
MW-16					847.67			
	12/16/2019	-	10.20	-		837.47	-	Sparge system on
MW-17					855.35			
	12/16/2019	-	10.85	-		844.50	-	
MW-17B					855.37			
	12/16/2019	-	16.40	-		838.97	-	
	11/4/2019	-	16.88	-		838.49	-	
MW-18					846.89			
	12/16/2019	-	19.24	-		827.65	-	Sparge system on
MW-19					853.94			
	12/16/2019	-	7.81	-		846.13	-	well pressurized
MW-20					852.89			
	12/16/2019	-	12.40	-		840.49	-	
	11/4/2019	12.89	13.09	0.20		839.80	839.94	
MW-21					855.77			
	12/16/2019	-	16.54	-		839.23	-	
MW-22					854.60			
	12/16/2019	-	9.57	-		845.03	-	
MW-23					849.57			
	12/16/2019	-	9.98	-		839.59	-	
	11/4/2019	-	11.28	-		838.29	-	
MW-23B					849.69			
	12/16/2019	-	9.49	-		840.20	-	
MW-24					817.92			
	12/16/2019	-	3.77	-		814.15	-	
MW-24B					818.72			
	12/16/2019	-	4.78	-		813.94	-	

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-25					826.18			
	12/16/2019	-	8.23	-		817.95	-	
MW-25B					823.81			
	12/16/2019	-	4.53	-		819.28	-	
MW-26					847.56			
	12/16/2019	-	5.51	-		842.05	-	
	11/4/2019	-	7.98	-		839.58	-	
MW-26B					847.81			
	12/16/2019	-	9.19	-		838.62	-	
MW-27					854.11			
	12/16/2019	-	27.55	-		826.56	-	
MW-27B					857.14			
	12/16/2019	-	29.04	-		828.10	-	
MW-28					844.31			
	12/16/2019	-	23.53	-		820.78	-	
MW-29					852.20			
	12/16/2019	-	8.36	-		843.84	-	
MW-30					841.28			
	12/16/2019	-	-	-		841.28	-	Dry
MW-31					845.04			
	12/16/2019	-	22.17	-		822.87	-	
MW-32					842.93			
	12/16/2019	-	15.56	-		827.37	-	Air sparge on
MW-33T					849.11			
	12/16/2019	-	28.15	-		820.96	-	
MW-34					816.35			
	12/16/2019	-	2.19	-		814.16	-	
	11/4/2019	-	2.83	-		813.52	-	
MW-35					829.40			
	12/16/2019	-	9.27	-		820.13	-	
MW-36					858.47			
	12/16/2019	-	19.83	-		838.64	-	
	11/4/2019	-	19.84	-		838.63	-	
MW-36B					858.15			
	12/16/2019	-	19.27	-		838.88	-	
MW-37					813.92			
	12/16/2019	-	3.16	-		810.76	-	
	11/4/2019	-	3.37	-		810.55	-	

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-38					813.28			
	12/16/2019	-	1.20	-		812.08	-	
	11/4/2019	-	1.61	-		811.67	-	
MW-39					819.90			
	12/16/2019	-	4.54	-		815.36	-	
	11/4/2019	-	5.06	-		814.84	-	
MW-40					817.79			
	12/16/2019	-	2.32	-		815.47	-	
	11/4/2019	-	2.84	-		814.95	-	
MW-41					819.68			
	12/16/2019	-	3.81	-		815.87	-	
	11/4/2019	-	4.35	-		815.33	-	
MW-42					820.33			
	12/16/2019	-	4.45	-		815.88	-	
MW-43					818.12			
	12/16/2019	-	3.47	-		814.65	-	
MW-43B					818.80			
	12/16/2019	-	2.19	-		816.61	-	
MW-44					853.67			
	12/16/2019	-	7.83	-		845.84	-	
MW-44B					853.38			
	12/16/2019	-	14.99	-		838.39	-	
MW-45					852.47			
	12/16/2019	-	-	-		852.47	-	Dry
MW-45B					852.85			
	12/16/2019	-	15.70	-		837.15	-	
MW-46					845.47			
	12/16/2019	-	8.34	-		837.13	-	
	11/4/2019	-	10.06	-		835.41	-	
MW-47					842.98			
	12/16/2019	-	19.41	-		823.57	-	
MW-48B					832.34			
	12/16/2019	-	17.91	-		814.43	-	
MW-49					846.78			
	12/16/2019	-	20.10	-		826.68	-	
MW-50B					850.34			
	12/16/2019	-	23.67	-		826.67	-	

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-51					831.92			
	11/4/2019	-	18.60	-		813.32	-	
MW-52					830.09			
	11/4/2019	-	17.19	-		812.90	-	
MW-53					837.37			
	11/4/2019	-	13.19	-		824.18	-	
MW-54					840.79			
	11/4/2019	-	15.44	-		825.35	-	
MW-55					859.71			
	11/4/2019	-	21.46	-		838.25	-	
MW-56					843.94			
	12/16/2019	-	7.08	-		836.86	-	
	11/4/2019	-	8.88	-		835.06	-	
MW-57					845.63			
	12/16/2019	-	8.87	-		836.76	-	
	11/4/2019	-	10.99	-		834.64	-	
RS-01					849.13			
	12/16/2019	11.73	11.76	0.03		837.37	837.39	
RS-02					849.52			
	12/16/2019	-	9.82	-		839.70	-	
RS-05					848.31			
	12/16/2019	11.32	11.34	0.02		836.97	836.98	
RS-14					845.97			
	12/16/2019	2.72	2.74	0.02		843.23	843.24	
RT-1A					854.06			
	12/16/2019	-	13.05	-		841.01	-	
RT-1B					854.15			
	12/16/2019	-	12.99	-		841.16	-	
RT-1C					854.55			
	12/16/2019	-	13.64	-		840.91	-	well pressurized
RW-01					851.92			
	12/16/2019	-	13.19	-		838.73	-	
RW-02					852.69			
	12/16/2019	24.59	24.65	0.06		828.04	828.08	
RW-03					852.34			
	12/16/2019	24.78	24.84	0.06		827.50	827.54	
RW-04					853.93			
	12/16/2019	31.46	31.57	0.11		822.36	822.44	

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
RW-05					853.53			
	12/16/2019	-	33.84	-		819.69	-	
RW-06					846.21			
	12/16/2019	-	26.93	-		819.28	-	
RW-07					843.19			
	12/16/2019	23.19	23.35	0.16		819.84	819.96	
RW-08					835.48			
	12/16/2019	-	16.64	-		818.84	-	
RW-09					835.12			
	12/16/2019	-	14.07	-		821.05	-	
RW-10					848.53			
	12/16/2019	-	13.76	-		834.77	-	
RW-11					852.97			
	12/16/2019	14.10	14.20	0.10		838.77	838.84	
RW-12					854.49			
	12/16/2019	-	-	-		854.49	-	Dry
RW-14					827.54			
	12/16/2019	-	5.20	-		822.34	-	
RW-15					851.64			
	12/16/2019	14.23	14.24	0.01		837.40	837.40	
SW-01					812.82			
	12/16/2019	-	(1.32)	-		814.14	-	
	11/5/2019	-	(0.58)	-		813.40	-	
	10/22/2019	-	(0.16)	-		812.98	-	
SW-02					808.65			
	12/16/2019	-	(1.72)	-		810.37	-	
	11/5/2019	-	(1.62)	-		810.27	-	
	10/22/2019	-	(1.55)	-		810.20	-	
SW-03					815.09			
	12/16/2019	-	(0.70)	-		815.79	-	
	10/22/2019	-	-	-		815.09	-	Dry
SW-05					838.75			
	12/16/2019	-	-	-		838.75	-	Dry
	11/5/2019	-	-	-		838.75	-	Dry
	10/22/2019	-	-	-		838.75	-	Dry

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
SW-08					802.04			
	12/16/2019	-	(1.06)	-		803.10	-	
	11/5/2019	-	(1.04)	-		803.08	-	
	10/22/2019	-	(0.70)	-		802.74	-	
SW-10					778.09			
	12/16/2019	-	(0.65)	-		778.74	-	
	11/5/2019	-	(0.66)	-		778.75	-	
	10/22/2019	-	(0.40)	-		778.49	-	

Notes:

[a] Elevation of zero mark (ft amsl) for surface water staff gauges.

[b] "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 time of gauging.

[c] 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
BTOC = below top of casing
ft = feet
ID = identification
MW = monitoring well
NM = not measured
RS = recovery sump
RT = recovery trench
RW = recovery well
SW = surface water
TW = temporary piezometer well

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)	Month 17 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**	**12/16/2019**	
Product Skimmers									
MW-08	-	-	-	-	-	-	-	-	**-**
MW-15	-	-	-	-	-	-	-	-	**-**
MW-20	-	-	-	-	-	-	-	-	**-**
RS-01	-	0.000	-	-	-	-	-	-	**0.000**
RS-02	-	0.000	-	0.002	0.006	-	-	-	**0.008**
RS-05	-	0.000	0.000	0.002	0.002	0.002	0.004	-	**0.010**
RS-10	-	-	0.000	-	-	-	-	-	**0.000**
RS-14	-	0.000	0.000	-	0.001	-	-	-	**0.001**
RS-17	-	-	0.000	-	-	-	-	-	**0.000**
RW-02	-	0.002	-	-	-	0.002	-	-	**0.003**
RW-03	0.055	-	0.141	0.102	0.002	0.070	0.008	0.002	**0.379**
RW-04	-	-	0.000	-	-	0.004	-	0.004	**0.008**
RW-05	-	0.000	-	-	-	0.039	0.063	0.001	**0.102**
RW-07	-	-	-	-	-	-	-	0.016	**0.016**
RW-08	-	-	-	-	-	-	-	-	**-**
RW-15	-	-	0.000	-	-	-	-	-	**0.000**
RW-10	-	-	0.000	-	-	-	-	-	**0.000**
Petroleum-Absorbent Socks									
MW-11	-	-	-	-	-	-	-	-	**-**
RS-08	0.265	0.226	0.025	0.012	0.220	-	-	-	**0.748**
RT-2K	-	0.143	0.095	-	0.093	-	-	-	**0.332**
RT-1A	0.224	0.208	0.049	0.114	0.235	-	-	-	**0.830**
RT-1B	0.247	0.210	0.063	-	0.240	-	-	-	**0.760**
RT-1C	0.224	0.195	0.055	0.121	0.120	0.035	-	-	**0.751**
Total:	**1.014**	**0.985**	**0.429**	**0.353**	**0.918**	**0.152**	**0.074**	**0.022**	**3.947**

Notes:

- = no product recovered

gal = gallons

ID = identification

MW = monitoring well

RS = recovery sump

RT = recovery trench

RW = recovery well

Table 4A. Analytical Results for Surface Water, Fourth 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**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]		
SW-01	SW01-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**			
	SW01-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.09**			
	SW01-122019	12/20/2019	µg/L	**1.25**		1	U	1	U	2	U	1	U	5	U	1	U		
SW-02	SW02-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.51**			
	SW02-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.70**			
	SW02-122019	12/20/2019	µg/L	**9.47**		1	U	1	U	2	U	**2.23**		5	U	**2.68**			
SW-03	SW03-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW03-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW03-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-04	SW04-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.56**			
	SW04-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**			
	SW04-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.06**			
SW-05	--	10/22/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
SW-07	SW07-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW07-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-08	SW08-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW08-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW08-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-09	SW09-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW09-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW09-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-10	SW10-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW10-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW10-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-11	SW11-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW11-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW11-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-12	SW12-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW12-110519	11/5/2019	µg/L	**1.67**		1	U	1	U	2	U	1	U	5	U	1	U		
	SW12-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
SW-13	SW13-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.83**			
	SW13-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.11**			
	SW13-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.09**			

Table 4A. Analytical Results for Surface Water, Fourth 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**	[a]	**530**	[a]	**1,000**	[a]	**NA**	[b]	**NA**	[b]	**NA**	[b]	**NA**	[b]
SW-14	SW14-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:

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

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

Samples analyzed by EPA Method SW 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

MTBE = methyl tertiary butyl ether

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

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	
SW-01	SW01-061317	6/13/2017	µg/L	1	U	1	U	**1.90**		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	**1.5**		1	U	**1.15**		2	U	**2.14**		5	U	NA	
	SW01-121417	12/14/2017	µg/L	**4.52**		1	U	**4.52**		**3.48**		**3.2**		5	U	NA	
	SW01-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	**1.15**		5	U	NA	
	SW01-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-030918	3/9/2018	µg/L	**1.15**		1	U	1	U	2	U	1	U	5	U	1	U
	SW01-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.1**	
	SW01-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.43**	
	SW01-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.09**	
	SW01-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.51**	
	SW01-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	3/7/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW01-051519	5/15/2019	µg/L	**2.39**		1	U	1	U	2	U	1	U	5	U	**1.56**	
	SW01-060619	6/6/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.93**	
	SW01-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.30**	
	SW01-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW01-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**	
	SW01-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.09**	
	SW01-122019	12/20/2019	µg/L	**1.25**		1	U	1	U	2	U	1	U	5	U	1	U
SW-02	SW02-121114	12/11/2014	µg/L	0.5	U	1	U	1	U	2	U	1	U	1	U	1	U
	SW02-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-033115	3/31/2015	µg/L	5	U[c]	5	U	**6.0**		10	U	5	U	5	U	NA	
	SW02-042215	4/22/2015	µg/L	5	U[c]	5	U	**13.0**		10	U	5	U	5	U	NA	
	SW02-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	

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	
SW-02	SW02-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW02-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-112415	11/24/2015	µg/L	**6**		**1.3**		**10.0**		**7.8**		**4.0**		1	U	NA	
	SW02-122215	12/22/2015	µg/L	**4.1**		1	U	**7.6**		**5.1**		**3.1**		1	U	NA	
	SW02-012516	1/25/2016	µg/L	**12**		**1.5**		**25.0**		**8.4**		**4.6**		1	U	NA	
	SW02-021816	2/18/2016	µg/L	**15.5**		**1.8**		**35.3**		**10.1**		**5.9**		1	U	NA	
	SW02-031616	3/16/2016	µg/L	**8**		**1.0**		**17.5**		**5.8**		**3.9**		1	U	NA	
	SW02-042716	4/27/2016	µg/L	**5.6**		1	U	**7.1**		2	U	1	U	1	U	NA	
	SW02-050916	5/9/2016	µg/L	**7.1**		1	U	**4.5**		**2.2**		**1.6**		1	U	NA	
	SW02-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-112816	11/28/2016	µg/L	**5.4**		1	U	**1.6**		**2.6**		**4.8**		1	U	NA	
	SW02-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	**1.4**		1	U	NA	
	SW02-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW02-022817	2/28/2017	µg/L	**10.7**		1	U	**11.0**		**4.14**		**4.23**		5	U	NA	
	SW02-031517	3/15/2017	µg/L	**11.4**		1	U	**8.6**		**4.45**		**3.6**		5	U	NA	
	SW02-032117	3/21/2017	µg/L	**8.42**		1	U	**2.45**		**2.48**		**2.68**		5	U	NA	
	SW02-033017	3/30/2017	µg/L	**2.18**		1	U	1	U	2	U	1	U	5	U	NA	
	SW02-040517	4/5/2017	µg/L	**2.87**		1	U	**1.12**		2	U	**1.14**		5	U	NA	
	SW02-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW02-120517	12/5/2017	µg/L	**26.6**		**1.8**		**8.39**		**10.2**		**7.17**		5	U	NA	
	SW02-121417	12/14/2017	µg/L	**21.1**		**1.53**		**9.4**		**9.74**		**7.32**		5	U	NA	
	SW02-010918	1/9/2018	µg/L	**25.0**		**1.56**		**12.4**		**11**		**8.24**		5	U	NA	
	SW02-020618	2/6/2018	µg/L	**6.69**		**1**	U	**2.65**		**2.75**		**1.87**		5	U	1	U
	SW02-030918	3/9/2018	µg/L	**3.19**		1	U	**1.39**		2	U	**1.11**		5	U	1	U
	SW02-040618	4/6/2018	µg/L	**2.23**		1	U	1	U	2	U	1	U	5	U	**2.13**	
	SW02-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.25**	
	SW02-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.92**	
	SW02-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.15**	
	SW02-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.94**	
	SW02-120418	12/4/2018	µg/L	**11.9**		1	U	**1.32**		**4.40**		**3.75**		5	U	**2.23**	

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	
SW-02	SW02-021919	2/19/2019	µg/L	**19.7**		1	U	**2.67**		**4.60**		**4.44**		5	U	**2.12**	
	SW02-030719	3/7/2019	µg/L	**22.3**		1	U	**3.58**		**4.71**		**4.32**		5	U	**2.46**	
	SW02-040919	4/9/2019	µg/L	**2.8**		1	U	1	U	2	U	1	U	5	U	1	U
	SW02-051519	5/15/2019	µg/L	**3.47**		1	U	1	U	2	U	1	U	5	U	**2.36**	
	SW02-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.02**	
	SW02-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.11**	
	SW02-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.35**	
	SW02-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.96**	
	SW02-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.51**	
	SW02-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.70**	
	SW02-122019	12/20/2019	µg/L	**9.47**		1	U	1	U	2	U	**2.23**		5	U	**2.68**	
SW-03	SW-UPGRADIENT	1/20/2015	µg/L	0.5	U	1	U	**0.23 J**		2	U	1	U	1	U	1	U
	SW03-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW03-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW03-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW03-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	

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	
SW-03	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	
	SW03-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW03-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-04	SW-DOWNGRADIENT	1/20/2015	µg/L	**95**		**27**		**310**		**110**		**63**		**94**		**2.7**	
	SW04-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW04-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	

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			
SW-04	SW04-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-112415	11/24/2015	µg/L	**1.7**		1	U	**2.7**		**2.9**		**1.6**		1	U	NA			
	SW04-122215	12/22/2015	µg/L	**3.3**		1	U	**7.3**		**5.2**		**2.7**		1	U	NA			
	SW04-012516	1/25/2016	µg/L	**6.9**		1	U	**14.0**		**4.9**		**2.8**		1	U	NA			
	SW04-021816	2/18/2016	µg/L	**10.9**		**1.1**		**25.4**		**7.0**		**4.3**		1	U	NA			
	SW04-031616	3/16/2016	µg/L	1	U	1	U	**2.0**		2	U	**1.8**		1	U	NA			
	SW04-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-062716	6/27/2016	µg/L	1	U	1	U	**1.1**		2	U	1	U	1	U	NA			
	SW04-072816	7/28/2016	µg/L	1	U	1	U	**23.5**		2	U	1	U	1	U	NA			
	SW04-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW04-022817	2/28/2017	µg/L	1	U	1	U	**1.13**		2	U	1	U	5	U	NA			
	SW04-031517	3/15/2017	µg/L	1	U	1	U	**2.90**		2	U	1	U	5	U	NA			
	SW04-032117	3/21/2017	µg/L	1	U	1	U	**3.28**		2	U	1	U	5	U	NA			
	SW04-033017	3/30/2017	µg/L	1	U	1	U	**6.15**		2	U	1	U	5	U	NA			
	SW04-040517	4/5/2017	µg/L	1	U	1	U	**9.47**		2	U	1	U	5	U	NA			
	SW04-050417	5/4/2017	µg/L	1	U	1	U	**13.8**		2	U	1	U	5	U	NA			
	SW04-061317	6/13/2017	µg/L	1	U	1	U	**1.37**		2	U	1	U	5	U	NA			
	SW04-071817	7/18/2017	µg/L	1	U	1	U	**1.92**		2	U	1	U	5	U	NA			
	SW04-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW04-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW04-120517	12/5/2017	µg/L	1	U	1	U	**5.53**		2	U	1	U	5	U	NA			
	SW04-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW04-010918	1/9/2018	µg/L	1	U	1	U	**4.09**		2	U	1	U	5	U	NA			

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	
SW-04	SW04-020618	2/6/2018	µg/L	**3.04**		1	U	**1.73**		2	U	**1.12**		5	U	1	U
	SW04-030918	3/9/2018	µg/L	1	U	1	U	**1.37**		2	U	1	U	5	U	1	U
	SW04-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.2**	
	SW04-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.31**	
	SW04-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.13**	
	SW04-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-021919	2/19/2019	µg/L	**1.47**		1	U	1	U	2	U	1	U	5	U	1	U
	SW04-030719	3/7/2019	µg/L	**3.11**		1	U	1	U	2	U	1	U	5	U	1	U
	SW04-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.27**	
	SW04-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.36**	
	SW04-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.12**	
	SW04-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW04-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.56**	
	SW04-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.71**	
	SW04-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.06**	
SW-05	SW05-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	5/19/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/3/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/18/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/15/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	4/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

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	
SW-05	--	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	
	--	8/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

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			
SW-05	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/20/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
SW-06	SW06-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW06-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW06-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW06-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	--	3/31/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW06-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	--	5/7/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	5/19/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	6/3/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	6/18/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	7/15/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	10/22/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	11/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW06-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW06-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW06-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	--	3/16/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	4/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	5/9/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	10/31/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	1/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	2/28/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	3/15/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	3/21/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	3/30/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	4/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	5/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	6/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			

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			
SW-06	--	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[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW07-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW07-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW07-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			

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	
SW-07	--	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	
	SW07-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	11/5/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW07-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-08	SW08-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW08-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	

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			
SW-08	SW08-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-122215	12/22/2015	µg/L	**1.6**		1	U	**3.8**		**2.5**		**1.6**		1	U	NA			
	SW08-012516	1/25/2016	µg/L	**2.4**		1	U	**5.6**		**2**		**1.3**		1	U	NA			
	SW08-021816	2/18/2016	µg/L	**2.9**		1	U	**7.6**		**2.3**		**1.5**		1	U	NA			
	SW08-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	SW08-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA			
	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			

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	
SW-08	SW08-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-030719	3/7/2019	µg/L	**2.45**		1	U	1	U	2	U	1	U	5	U	**1.17**	
	SW08-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-09	SW09-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW09-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-122215	12/22/2015	µg/L	**2.1**		1	U	**4.8**		**3.3**		**2.1**		1	U	NA	
	SW09-012516	1/25/2016	µg/L	**3.3**		1	U	**7.1**		**2.4**		**1.5**		1	U	NA	
	SW09-021816	2/18/2016	µg/L	**2.2**		1	U	**5.9**		2	U	**1.2**		1	U	NA	
	SW09-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW09-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	

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	
SW-09	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	**1.88**		1	U	1	U	2	U	1	U	5	U	**1.07**	
	SW09-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

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	
SW-10	SW10-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW10-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW10-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-10-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

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	
SW-10	SW10-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW10-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-122019	12/20/2019	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[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	

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	
SW-11	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	
	SW11-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

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	
SW-11	SW11-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
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**		**4.7**		NA	
	SW12-112816	11/28/2016	µg/L	**486**		**59.6**		**976**		**351**		**181**		**14.2**		NA	
	SW12-122916	12/29/2016	µg/L	**707**		**97.3**		**1,790**		**408**		**213**		**16.8**		NA	
	SW12-012017	1/20/2017	µg/L	**212**		**19.8**		**396**		**104**		**58**		**3.8**		NA	
	SW12-022817	2/28/2017	µg/L	**26.1**		**4.04**		**62.3**		**18.0**		**9.73**		5	U	NA	
	SW12-031517	3/15/2017	µg/L	**125**		**15.3**		**185**		**67.9**		**35.5**		5	U	NA	
	SW12-032117	3/21/2017	µg/L	**134**		**12.1**		**45.0**		**60.8**		**33.6**		5	U	NA	
	SW12-033017	3/30/2017	µg/L	**48.5**		**5.69**		**86.3**		**27.7**		**15.8**		5	U	NA	
	SW12-040517	4/5/2017	µg/L	**67.1**		**9.24**		**127.0**		**43.6**		**23.7**		5	U	NA	
	SW12-050417	5/4/2017	µg/L	**52.8**		**7.96**		**91.7**		**42**		**23.2**		5	U	NA	
	SW12-061317	6/13/2017	µg/L	**102**		**16.6**		**166**		**85.1**		**46.2**		5	U	NA	
	SW12-071817	7/18/2017	µg/L	**65**		**5.8**		**116**		**43.3**		**24.8**		5	U	NA	
	SW12-080217	8/2/2017	µg/L	**125**		**14.7**		**204**		**102**		**67**		5	U	NA	
	SW12-090517	9/5/2017	µg/L	**46.7**		**4.72**		**72**		**39**		**26.2**		5	U	NA	
	SW12-120517	12/5/2017	µg/L	**16.6**		**2.91**		**12.6**		**20.1**		**13.3**		5	U	NA	
	SW12-121417	12/14/2017	µg/L	**9.19**		**2.66**		**8.26**		**18**		**12.1**		5	U	NA	
	SW12-010918	1/9/2018	µg/L	**12.3**		**2.16**		**5.65**		**14.6**		**11.1**		5	U	NA	
	SW12-020618	2/6/2018	µg/L	**2.53**		1	U	**1.20**		**4.04**		**2.44**		5	U	1	U
	SW12-030918	3/9/2018	µg/L	**3.24**		**1.79**		**12.2**		**9.75**		**4.28**		5	U	1	U
	SW12-040618	4/6/2018	µg/L	**1.88**		1	U	1	U	**5.05**		**2.82**		5	U	1	U
	SW12-050318	5/3/2018	µg/L	1	U	1	U	1	U	**4.18**		**2.72**		5	U	1	U
	SW12-060718	6/7/2018	µg/L	**1.85**		1	U	1	U	**3.24**		**1.64**		5	U	1	U
	SW12-071218	7/12/2018	µg/L	**1.79**		1	U	1	U	**3.81**		**2.15**		5	U	1	U
	SW12-091418	9/14/2018	µg/L	**1.34**		1	U	1	U	**3.20**		**2.00**		5	U	1	U
	SW12-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	3/7/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW12-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-060419	6/4/2019	µg/L	**1.19**		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-071819	7/18/2019	µg/L	**1.09**		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-082219	8/22/2019	µg/L	**3.33**		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

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	
SW-12	SW12-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-110519	11/5/2019	µg/L	**1.67**		1	U	1	U	2	U	1	U	5	U	1	U
	SW12-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-13	SW13-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-103116	10/31/2016	µg/L	1	U	1	U	**2.0**		2	U	1	U	1	U	NA	
	SW13-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW13-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-040517	4/5/2017	µg/L	1	U	1	U	**1.21**		2	U	1	U	5	U	NA	
	SW13-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW13-020618	2/6/2018	µg/L	**1.78**		1	U	1	U	2	U	1	U	5	U	**4.26**	
	SW13-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.07**	
	SW13-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.4**	
	SW13-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**3.67**	
	SW13-060718	6/7/2018	µg/L	**2.99**		1	U	**2.48**		2	U	1	U	5	U	**8.08**	
	SW13-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-081318	8/13/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-120418	12/4/2018	µg/L	1	U	1	U	**1.84**		2	U	1	U	5	U	**3.49**	
	SW13-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**11.0**	
	SW13-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.30**	
	SW13-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.11**	
	SW13-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW13-091819	9/18/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW13-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**4.83**	

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	
SW-13	SW13-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**2.11**	
	SW13-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.09**	
SW-14	SW14-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	--	12/14/2017	--	NS-DW		NS-DW		NS-DW		NS-DW		NS-DW		NS-DW		NS-DW	
	SW14-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW14-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-040618	4/6/2018	µg/L	1	U	1	U	**1.43**		2	U	1	U	5	U	1	U
	SW14-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.18**	
	SW14-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.33**	
	SW14-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.62**	
	SW14-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.19**	
	SW14-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.68**	
	SW14-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	**1.50**	
	SW14-060419	6/4/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-071819	7/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-082019	8/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-091819	9/18/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-102219	10/22/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-110519	11/5/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW14-122019	12/20/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
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	
	FP01-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical
Plantation Pipe Line Company
Lewis Drive Remediation Site, Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
FP-01	FP01-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP01-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP01-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
FP-02	FP02-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP02-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-071817	7/18/2017	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	
FP-02	FP02-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP02-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP02-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
FP-03	FP03-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	8/19/2016	--	NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS		NS-HS	
	FP03-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	FP03-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-033017	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	
	FP03-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-071817	7/18/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-080217	8/2/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-090517	9/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-120517	12/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-030918	3/9/2018	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	
FP-03	FP03-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-091418	9/14/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:
[a] South Carolina Department of Health and Environmental Control (SC DHEC) R.61-68, Water Classifications and Standards, Human Health for consumption of water and organism, June 27, 2014.
[b] Screening levels for these analytes are not specified in SC DHEC R. 61-68.
[c] The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit can not be determined.
Samples analyzed by EPA Methods 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
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, Fourth 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[a]:			**µg/L**	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-01	MW-01-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-01B	MW-01B-121719	12/17/2019	µg/L	**3.29**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02	MW-02-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02B	MW-02B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-03	MW-03-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-04	MW-04-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-05	MW-05-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06	MW-06-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06B	MW-06B-121819	12/18/2019	µg/L	1	U	1	U	**4.47**		3	U	1	U	1	U	5	U	--	
MW-07	--	11/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-08	MW-08-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-09	MW-09-121819	12/18/2019	µg/L	1	U	1	U	**5.00**		**3.10**		1	U	**1.34**		5	U	--	
MW-09B	MW-09B-121819	12/18/2019	µg/L	**4.11**		**4.57**		**16.8**		**34.2**		1	U	1	U	5	U	--	
MW-10	MW-10-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-11	--	12/16/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
MW-12	MW-12-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-12B	MW-12B-110619	11/6/2019	µg/L	**2.73**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-122019	12/20/2019	µg/L	**1.09**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-13	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-13B	MW-13B-121819	12/18/2019	µg/L	**257**		**18.0**		**166**		**155**		1	U	**132**		**5.60**		--	
MW-14	MW-14-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**6.65**		5	U	--	
MW-14B	MW-14B-121819	12/18/2019	µg/L	**5.69**		1	U	1	U	**4.86**		1	U	**10.7**		5	U	--	
MW-15	MW-15-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.33**		5	U	--	
MW-15B	MW-15B-110619	11/6/2019	µg/L	**135**		**9.77**		**105**		**101**		1	U	**8.82**		5	U	--	
	MW-15B-122019	12/20/2019	µg/L	**4,200**		**238**		**2,690**		**2,260**		10	U[b]	**212**		50	U[b]	--	
MW-16	MW-16-121819	12/18/2019	µg/L	1	U	**1.88**		**14.3**		**58.6**		1	U	1	U	**15.9**		--	
MW-17	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-17B	MW-17B-110719	11/7/2019	µg/L	**7,080**		**1,080**		**8,130**		**6,130**		500	U[b]	500	U[b]	2,500	U[b]	--	
	MW-17B-121919	12/19/2019	µg/L	**6,960**		**981**		**7,590**		**5,170**		5	U	**582**		**184**		--	
MW-18	MW-18-121819	12/18/2019	µg/L	1	U	**1.61**		**6.60**		**17.8**		**1.42**		**3.93**		**9.59**		--	
MW-19	MW-19-121719	12/17/2019	µg/L	1	U	**1.23**		**6.08**		**56.1**		1	U	1	U	**13.1**		--	
MW-20	--	11/4/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-20-121719	12/17/2019	µg/L	**9,710**		**1,600**		**28,500**		**10,000**		100	U[b]	100	U[b]	500	U[b]	--	
MW-21	MW-21-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-22	MW-22-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-23	MW-23-110719	11/7/2019	µg/L	**1,200**		20	U	**94.1**		**481**		20	U[b]	**41.7**		100	U[b]	--	
	MW-23-122019	12/20/2019	µg/L	**575**		**10.1**		**12.0**		**279**		1	U	**41.8**		**11.0**		--	
MW-23B	MW-23B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5A. Analytical Results for Groundwater, Fourth 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[a]:			**µg/L**	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-24	MW-24-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24B	MW-24B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25	MW-25-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25B	MW-25B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26	MW-26-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26B	MW-26B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27	MW-27-121819	12/18/2019	µg/L	**1.09**		1	U	1	U	**5.19**		1	U	1	U	5	U	--	
MW-27B	MW-27B-121719	12/17/2019	µg/L	1	U	**2.35**		**4.27**		**18.4**		1	U	1	U	5	U	--	
MW-28	MW-28-121919	12/19/2019	µg/L	**23.7**		**18.3**		**2.79**		**4.33**		1	U	1	U	5	U	--	
MW-29	MW-29-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-30	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-31	MW-31-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-32	MW-32-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-33T	MW-33T-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-34	MW-34-110619	11/6/2019	µg/L	**85.5**		**1.44**		1	U	**13.9**		1	U	**169**		5	U	--	
	MW-34-122019	12/20/2019	µg/L	**157**		**1.73**		1	U	**21.0**		1	U	**173**		5	U	--	
MW-35	MW-35-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-36	MW-36-110419	11/4/2019	µg/L	**172**		5	U	**39.7**		**78.7**		5	U	5	U	25	U	--	
	MW-36-121819	12/18/2019	µg/L	**185**		1	U	**66.2**		**78.2**		1	U	1	U	5	U	--	
MW-36B	MW-36B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-37	MW-37-110519	11/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-121919	12/19/2019	µg/L	1	U	1	U	**3.03**		3	U	1	U	**1.66**		5	U	--	
MW-38	MW-38-110519	11/5/2019	µg/L	**7.33**		1	U	1	U	**7.01**		1	U	**64.4**		5	U	--	
	MW-38-121919	12/19/2019	µg/L	**2.19**		1	U	**1.52**		**5.85**		1	U	**80.0**		5	U	--	
MW-39	MW-39-110419	11/4/2019	µg/L	**14.3**		1	U	1	U	**7.75**		1	U	**114**		5	U	--	
	MW-39-121819	12/18/2019	µg/L	**8.47**		1	U	1	U	**7.49**		1	U	**114**		5	U	--	
MW-40	MW-40-110619	11/6/2019	µg/L	**10.1**		1	U	**13.1**		**21.4**		1	U	**2.67**		5	U	--	
	MW-40-121919	12/19/2019	µg/L	**86.1**		**6.09**		**86.2**		**127**		1	U	**12.6**		5	U	--	
MW-41	MW-41-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-41-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-42	MW-42-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43	MW-43-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43B	MW-43B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44	MW-44-121919	12/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44B	MW-44B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-45	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-45B	MW-45B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5A. Analytical Results for Groundwater, Fourth 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[a]:			**µg/L**	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-46	MW-46-110719	11/7/2019	µg/L	**136**		5	U	5	U	**18.8**		5	U	**158**		25	U	--	
	MW-46-122019	12/20/2019	µg/L	**7.14**		1	U	1	U	3	U	1	U	**121**		5	U	--	
MW-47	MW-47-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-48B	MW-48B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-49	MW-49-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-50B	MW-50B-121819	12/18/2019	µg/L	**2.30**		1	U	1	U	3	U	1	U	**32.4**		5	U	--	
MW-51	MW-51-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.57**		5	U	--	
MW-52	MW-52-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-53	MW-53-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-54	MW-54-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-55	MW-55-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-56	MW-56-110519	11/5/2019	µg/L	**5.55**		1	U	1	U	3	U	1	U	**168**		5	U	--	
	MW-56-121719	12/17/2019	µg/L	**84.3**		1	U	**1.13**		**33.6**		1	U	**141**		5	U	--	
MW-57	MW-57-110519	11/5/2019	µg/L	**514**		1	U	**11.2**		**83.5**		1	U	**193**		5	U	--	
	MW-57-121719	12/17/2019	µg/L	**154**		1	U	**1.85**		**11.5**		1	U	**108**		5	U	--	

Notes:

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

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

Samples analyzed by EPA Methods SW 8260B and 8011.

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

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

ID = identification

MTBE = methyl tertiary butyl ether

MW = monitoring well

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

NS-IW = sample not collected due to insufficient volume of water 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	
RBSL[a]:			**µg/L**	**5.0**		**700**		**1,000**		**10,000**		**5.0**		**40**		**25**		**0.05**	
MW-01	MW-01-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-01-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-01-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-120517	12/5/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-030818	3/8/2018	µg/L	**1.85**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-091118	9/11/2018	µg/L	**2.02**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-01B	MW-01B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	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	**1.40**		**5.60**		1	U	1	U	**1.30**		--	
	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	**3.51**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-060518	6/5/2018	µg/L	**8.96**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-091118	9/11/2018	µg/L	**11.1**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-120518	12/5/2018	µg/L	**8.30**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-030519	3/5/2019	µg/L	**3.32**		1	U	1	U	3	U	1	U	**1.02**		5	U	--	
	MW-01B-060519	6/5/2019	µg/L	**1.82**		1	U	1	U	3	U	1	U	**1.00**		5	U	--	
	MW-01B-091919	9/19/2019	µg/L	**1.53**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-01B-121719	12/17/2019	µg/L	**3.29**		1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02	MW-02-072715	7/27/2015	µg/L	**4,320**		625	U	**9,670**		**2,460**		5	U[b]	**171**		**74.7**		0.02	U
	MW-02-012616	1/26/2016	µg/L	**9,500**		**1,160**		**25,000**		**6,310**		50	U[b]	**285**		**139**		0.019	U
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-02-062917	6/29/2017	µg/L	**8,040**		**833**		**27,100**		**9,890**		250	U[b]	250	U[b]	1,250	U[b]	--	
	MW-02-090817	9/8/2017	µg/L	**2,340**		**181**		**7,120**		**8,510**		50	U[b]	50	U[b]	**389**		--	
	MW-02-100417	10/4/2017	µg/L	**3,510**		**306**		**11,900**		**11,200**		50	U[b]	**53.9**		250	U[b]	--	
	MW-02-110817	11/8/2017	µg/L	**850**		100	U	**1,370**		**3,520**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-02-120717	12/7/2017	µg/L	**153**		**15.1**		**313**		**441**		1	U	**70.9**		**12.8**		--	
	MW-02-010918	1/9/2018	µg/L	**307**		10	U	**878**		**1,300**		10	U[b]	**61.8**		**63.7**		--	
	MW-02-020618	2/6/2018	µg/L	**30.5**		**1.09**		**29.6**		**88.3**		1	U	**32.0**		5	U	--	
	MW-02-030718	3/7/2018	µg/L	**131**		**34.1**		**594**		**442**		1	U	**27.6**		**34.5**		--	
	MW-02-040618	4/6/2018	µg/L	**72.5**		**8.96**		**94.7**		**501**		1	U	**18.4**		5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-02	MW-02-050318	5/3/2018	µg/L	**35.4**		**7.50**		**14.9**		**163**		1	U	**7.95**		5	U	--	
	MW-02-060618	6/6/2018	µg/L	1	U	1	U	**3.19**		**3.70**		1	U	**1.25**		5	U	--	
	MW-02-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02B	MW-02B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-02B-030116	3/1/2016	µg/L	1	U	1	U	**4.80**		**4.60**		1	U	1	U	1	U	0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-02B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-120717	12/7/2017	µg/L	1	U	1	U	**1.11**		3	U	1	U	1	U	5	U	--	
	MW-02B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-02B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-03	MW-03-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-03-012516	1/25/2016	µg/L	**108**		**20.1**		**958**		**598**		1	U	1	U	**11.1**		0.02	U
	MW-03-120616	12/6/2016	µg/L	**61.1**		**25.1**		**229**		**330**		2	U	2	U	**3.60**		--	
	MW-03-062917	6/29/2017	µg/L	**10.9**		1	U	**24.6**		**6.98**		1	U	**2.34**		5	U	--	
	--	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	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-03	MW-03-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-03-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-03-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-04	MW-04-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-04-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-04-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-04-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-04-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-05	MW-05-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-05-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	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	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
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-05-121819	12/18/2019	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[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-06-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-06-120216	12/2/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-06-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06B	MW-06B-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-06B-030718	3/7/2018	µg/L	1	U	1	U	**3.63**		3	U	1	U	1	U	5	U	--	
	MW-06B-060718	6/7/2018	µg/L	1	U	1	U	**4.69**		3	U	1	U	1	U	5	U	--	
	MW-06B-091318	9/13/2018	µg/L	1	U	1	U	**1.17**		3	U	1	U	1	U	5	U	--	
	MW-06B-120618	12/6/2018	µg/L	1	U	1	U	**1.89**		3	U	1	U	1	U	5	U	--	
	MW-06B-030719	3/7/2019	µg/L	1	U	1	U	**1.42**		3	U	1	U	1	U	5	U	--	
	MW-06B-060419	6/4/2019	µg/L	1	U	1	U	**4.53**		3	U	1	U	1	U	5	U	--	
	MW-06B-091819	9/18/2019	µg/L	1	U	1	U	**3.52**		3	U	1	U	1	U	5	U	--	
	MW-06B-121819	12/18/2019	µg/L	1	U	1	U	**4.47**		3	U	1	U	1	U	5	U	--	
MW-07	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-012116	1/21/2016	µg/L	**1,060**		**389**		**5,210**		**2,620**		40	U[b]	40	U[b]	40	U[b]	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-062917	6/29/2017	µg/L	**4,290**		**629**		**17,700**		**4,990**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-030818	3/8/2018	µg/L	**4,550**		**802**		**14,100**		**7,520**		50	U[b]	50	U[b]	250	U[b]	--	
	--	4/6/2018	µg/L	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-050318	5/3/2018	µg/L	**6,330**		**662**		**16,500**		**9,060**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-091218	9/12/2018	µg/L	**4,620**		**639**		**13,600**		**6,180**		1	U	1	U	**82.5**		--	
	MW-07-120618	12/6/2018	µg/L	**4,850**		**574**		**13,400**		**9,890**		100	U[b]	100	U[b]	500	U[b]	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-07	MW-07-021919	2/19/2019	µg/L	**5,360**		**516**		**12,400**		**7,280**		1	U	1	U	**6.32**		--	
	MW-07-030719	3/7/2019	µg/L	**3,110**		**147**		**5,780**		**4,110**		1	U	1	U	5	U	--	
	MW-07-051519	5/15/2019	µg/L	**2,030**		**169**		**3,440**		**3,110**		1	U	1	U	**9.44**		--	
	MW-07-060419	6/4/2019	µg/L	**1,940**		**168**		**3,390**		**2,740**		1	U	1	U	**6.90**		--	
	MW-07-082019	8/20/2019	µg/L	**2,120**		**340**		**4,750**		**3,650**		50	U[b]	50	U[b]	250	U[b]	--	
	MW-07-091919	9/19/2019	µg/L	**1,580**		**148**		**2,550**		**2,160**		50	U[b]	50	U[b]	250	U[b]	--	
	--	11/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-08		7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-08-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-08-120616	12/6/2016	µg/L	1	U	1	U	**14.4**		**7.10**		1	U	1	U	1	U	--	
	MW-08-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-08-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-08-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-09	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-09-062917	6/29/2017	µg/L	**3,860**		**517**		**13,000**		**8,680**		200	U[b]	200	U[b]	1,000	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-09-120717	12/7/2017	µg/L	**54.3**		**3.44**		**19.6**		**64.8**		1	U	**27.5**		5	U	--	
	MW-09-030718	3/7/2018	µg/L	**3.30**		1	U	**11.0**		**3.92**		1	U	**8.74**		5	U	--	
	MW-09-060618	6/6/2018	µg/L	**2.25**		1	U	**6.06**		**4.75**		1	U	**3.65**		5	U	--	
	MW-09-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.14**		5	U	--	
	MW-09-120618	12/6/2018	µg/L	**6.39**		**2.61**		**48.3**		**39.8**		1	U	**5.68**		**6.79**		--	
	MW-09-030719	3/7/2019	µg/L	**6.24**		**3.80**		**64.3**		**52.7**		1	U	**5.90**		5	U	--	
	MW-09-060419	6/4/2019	µg/L	1	U	1	U	**1.66**		3	U	1	U	**3.95**		5	U	--	
	MW-09-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.48**		5	U	--	
	MW-09-121819	12/18/2019	µg/L	1	U	1	U	**5.00**		**3.10**		1	U	**1.34**		5	U	--	
MW-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	--	

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	
MW-09B	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-09B-121819	12/18/2019	µg/L	**4.11**		**4.57**		**16.8**		**34.2**		1	U	1	U	5	U	--	
MW-10	MW-10-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-10-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-10-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-10-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-10-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-11	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-11-012616	1/26/2016	µg/L	**10,600**		**948**		**24,400**		**4,700**		10	U[b]	**432**		**123**		0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-11-062817	6/28/2017	µg/L	**10,900**		**2,140**		**29,600**		**11,700**		100	U[b]	**147**		500	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/5/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/10/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-11-030619	3/6/2019	µg/L	**8,260**		**1,990**		**30,300**		**11,900**		200	U[b]	200	U[b]	1,000	U[b]	--	
	MW-11-060519	6/5/2019	µg/L	**6,940**		**1,660**		**22,500**		**9,020**		200	U[b]	200	U[b]	1,000	U[b]	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-11	MW-11-091919	9/19/2019	µg/L	**7,950**		**2,570**		**33,700**		**14,300**		500	U[b]	500	U[b]	2,500	U[b]	--	
	--	12/16/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
MW-12	MW-12-072815	7/28/2015	µg/L	**51.3**		5	U	**22.9**		**39.2**		5	U[b]	5	U	5	U	0.02	U
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/13/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/20/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/31/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	4/6/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-12-062817	6/28/2017	µg/L	**1,190**		**467**		**7,910**		**5,100**		50	U[b]	50	U[b]	250	U[b]	--	
	MW-12-090817	9/8/2017	µg/L	**648**		**436**		**3,470**		**4,440**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-12-120617	12/6/2017	µg/L	**367**		**137**		**1,540**		**4,660**		10	U[b]	10	U	**54.4**		--	
	MW-12-030818	3/8/2018	µg/L	**486**		**25.2**		**1,880**		**1,980**		10	U[b]	10	U	50	U[b]	--	
	MW-12-060518	6/5/2018	µg/L	**16.3**		**2.51**		**181**		**249**		1	U	1	U	5	U	--	
	MW-12-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-120518	12/5/2018	µg/L	**5.81**		**2.75**		**9.08**		**72.0**		1	U	1	U	5	U	--	
	MW-12-030619	3/6/2019	µg/L	1	U	1	U	**3.94**		**4.86**		1	U	1	U	5	U	--	
	MW-12-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-12B	MW-12B-012616	1/26/2016	µg/L	**228**		**31.4**		**193**		**532**		1	U	**5.40**		**14.6**		0.019	U
	MW-12B-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-12B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-062817	6/28/2017	µg/L	**30.1**		1	U	**7.28**		**14.3**		1	U	**11.8**		5	U	--	
	MW-12B-090817	9/8/2017	µg/L	**126**		**3.81**		**16.8**		**256**		1	U	1	U	**12.0**		--	
	MW-12B-120617	12/6/2017	µg/L	**1.01**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-030818	3/8/2018	µg/L	**3.06**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-060518	6/5/2018	µg/L	**275**		**58.7**		**20.9**		**171**		1	U	1	U	**22.5**		--	
	MW-12B-091118	9/11/2018	µg/L	**246**		**39.8**		**2.87**		**68.0**		1	U	1	U	**18.7**		--	
	MW-12B-120518	12/5/2018	µg/L	**240**		**57.7**		**29.5**		**160**		1	U	1	U	**17.7**		--	
	MW-12B-030619	3/6/2019	µg/L	**309**		**70.4**		**19.6**		**201**		1	U	1	U	**36.7**		--	
	MW-12B-060519	6/5/2019	µg/L	**88.4**		**38.0**		5	U	**15.2**		5	U	5	U	25	U	--	
	MW-12B-082219	8/22/2019	µg/L	**27.0**		**3.54**		1	U	3	U	1	U	1	U	**5.94**		--	
	MW-12B-091919	9/19/2019	µg/L	**23.1**		**2.33**		1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-110619	11/6/2019	µg/L	**2.73**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-12B-122019	12/20/2019	µg/L	**1.09**		1	U	1	U	3	U	1	U	1	U	5	U	--	

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	
MW-13	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-012816	1/28/2016	µg/L	**2.00**		1	U	**12.5**		**6.90**		1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-062917	6/29/2017	µg/L	**1.18**		1	U	**3.39**		3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-030618	3/6/2018	µg/L	**6.98**		**1.14**		**15.3**		**4.55**		1	U	1	U	5	U	--	
	MW-13-060618	6/6/2018	µg/L	**44.2**		**4.25**		**86.2**		**19.9**		1	U	1	U	5	U	--	
	--	9/10/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-13-120718	12/7/2018	µg/L	**83.4**		**9.62**		**158**		**23.6**		1	U	1	U	5	U	--	
	MW-13-030619	3/6/2019	µg/L	**326**		**10.9**		**132**		**120**		1	U	1	U	5	U	--	
	MW-13-060519	6/5/2019	µg/L	**35.2**		5	U	5	U	**19.6**		5	U	5	U	25	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-13B	MW-13B-012816	1/28/2016	µg/L	**367**		1	U	**5.60**		**59.5**		1	U	**119**		1	U	0.02	U
	MW-13B-113016	11/30/2016	µg/L	**550**		**5.10**		**21.2**		**140**		5	U[b]	**158**		**7.90**		--	
	MW-13B-062817	6/28/2017	µg/L	**308**		**3.09**		**10.3**		**103**		1	U	**121**		**5.13**		--	
	MW-13B-090817	9/8/2017	--	NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL		NS-SL	
	MW-13B-110817	11/8/2017	µg/L	**325**		**3.42**		**19.0**		**91.6**		1	U	**173**		**5.55**		--	
	MW-13B-120617	12/6/2017	µg/L	**269**		**3.97**		**24.4**		**100**		1	U	**140**		**8.83**		--	
	MW-13B-030718	3/7/2018	µg/L	**252**		**3.13**		**12.1**		**60.2**		1	U	**175**		**6.44**		--	
	MW-13B-060618	6/6/2018	µg/L	**498**		**47.7**		**469**		**282**		1	U	**148**		**8.47**		--	
	MW-13B-091218	9/12/2018	µg/L	**402**		**42.5**		**503**		**271**		1	U	**141**		5	U	--	
	MW-13B-120618	12/6/2018	µg/L	**614**		**93.5**		**823**		**516**		1	U	**139**		**10.8**		--	
	MW-13B-030619	3/6/2019	µg/L	**445**		**53.1**		**679**		**383**		1	U	**143**		**8.60**		--	
	MW-13B-060519	6/5/2019	µg/L	**195**		**25.3**		**302**		**194**		5	U	**140**		25	U	--	
	MW-13B-091819	9/18/2019	µg/L	**408**		**71.2**		**325**		**446**		1	U	**142**		**14.0**		--	
	MW-13B-121819	12/18/2019	µg/L	**257**		**18.0**		**166**		**155**		1	U	**132**		**5.60**		--	
MW-14	MW-14-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-14-012816	1/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-14-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-14-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-14	MW-14-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.02**		5	U	--	
	MW-14-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**6.65**		5	U	--	
MW-14B	MW-14B-052516	5/25/2016	µg/L	**5.00**		1	U	1	U	**4.40**		1	U	**17.2**		1	U	0.02	U
	MW-14B-113016	11/30/2016	µg/L	**10.5**		1	U	**1.10**		**5.50**		1	U	**19.7**		1	U	--	
	MW-14B-062817	6/28/2017	µg/L	**38.1**		**1.34**		**2.56**		**19.1**		1	U	**36.2**		5	U	--	
	MW-14B-090817	9/8/2017	µg/L	**6.81**		1	U	1	U	**6.67**		1	U	**18.7**		5	U	--	
	MW-14B-120617	12/6/2017	µg/L	**8.82**		1	U	1	U	**6.91**		1	U	**24.4**		5	U	--	
	MW-14B-030718	3/7/2018	µg/L	**3.57**		1	U	1	U	**5.60**		1	U	**9.28**		5	U	--	
	MW-14B-060418	6/6/2018	µg/L	**8.63**		1	U	1	U	**5.77**		1	U	**22.1**		5	U	--	
	MW-14B-091218	9/12/2018	µg/L	**3.32**		1	U	1	U	**3.61**		1	U	**7.86**		5	U	--	
	MW-14B-120618	12/6/2018	µg/L	**3.56**		1	U	**1.40**		**6.34**		1	U	**6.56**		5	U	--	
	MW-14B-030619	3/6/2019	µg/L	**2.70**		1	U	1	U	3	U	1	U	**8.83**		5	U	--	
	MW-14B-060519	6/5/2019	µg/L	**9.13**		1	U	**1.01**		**6.57**		1	U	**17.7**		5	U	--	
	MW-14B-091819	9/18/2019	µg/L	**1.74**		1	U	1	U	**4.57**		1	U	**11.1**		5	U	--	
	MW-14B-121819	12/18/2019	µg/L	**5.69**		1	U	1	U	**4.86**		1	U	**10.7**		5	U	--	
MW-15	MW-15-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-15-012816	1/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-15-120716	12/7/2016	µg/L	**3,680**		**139**		**422**		**2,280**		25	U[b]	**188**		**43.8**		--	
	MW-15-031417	3/14/2017	µg/L	**1,960**		**72.1**		**324**		**1,320**		25	U[b]	**161**		125	U[b]	--	
	MW-15-032017	3/20/2017	µg/L	**3,390**		**103**		**505**		**2,460**		50	U[b]	**194**		250	U[b]	--	
	MW-15-033117	3/31/2017	µg/L	**2,850**		**65.4**		**444**		**1,860**		20	U[b]	**221**		100	U[b]	--	
	MW-15-040617	4/6/2017	µg/L	**1,790**		**60.6**		**465**		**886**		25	U[b]	**181**		125	U[b]	--	
	MW-15-062817	6/28/2017	µg/L	**72.7**		25	U	**28.8**		**110**		25	U[b]	**91.8**		125	U[b]	--	
	MW-15-090817	9/8/2017	µg/L	**454**		**24.0**		**567**		**338**		5	U[b]	**193**		25	U[b]	--	
	MW-15-120617	12/6/2017	µg/L	1	U	1	U	**1.60**		**4.64**		1	U	**140**		5	U	--	
	MW-15-030818	3/8/2018	µg/L	**53.1**		**2.75**		**89.9**		**53.1**		1	U	**85.0**		5	U	--	
	MW-15-060618	6/6/2018	µg/L	**52.2**		**4.11**		**81.4**		**46.5**		1	U	**63.8**		5	U	--	
	MW-15-091218	9/12/2018	µg/L	**14.6**		1	U	**27.9**		**16.0**		1	U	**72.2**		5	U	--	
	MW-15-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**15.9**		5	U	--	
	MW-15-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.57**		5	U	--	
	MW-15-060519	6/5/2019	µg/L	**1.03**		1	U	1	U	3	U	1	U	**4.33**		5	U	--	
	MW-15-091919	9/19/2019	µg/L	**1.25**		1	U	1	U	3	U	1	U	**4.73**		5	U	--	
	MW-15-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.33**		5	U	--	
MW-15B	MW-15B-080415	8/4/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.019	U
	MW-15B-012816	1/28/2016	µg/L	**4.80**		1	U	**2.00**		**3.90**		1	U	1	U	1	U	0.02	U
	MW-15B-113016	11/30/2016	µg/L	**337**		**34.0**		**565**		**194**		5	U[b]	**26.7**		**5**		--	
	MW-15B-031417	3/14/2017	µg/L	**2,160**		**248**		**4,580**		**1,500**		100	U[b]	**118**		500	U[b]	--	
	MW-15B-032017	3/20/2017	µg/L	**615**		**88.6**		**1,270**		**555**		25	U[b]	**67.5**		125	U[b]	--	
	MW-15B-033117	3/31/2017	µg/L	**1,630**		**205**		**3,240**		**1,180**		50	U[b]	**115**		250	U[b]	--	
	MW-15B-040617	4/6/2017	µg/L	**1,020**		**132**		**2,020**		**789**		25	U[b]	**84.7**		125	U[b]	--	
	MW-15B-062817	6/28/2017	µg/L	**1,510**		**145**		**3,520**		**1,280**		100	U[b]	100	U[b]	500	U[b]	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-15B	MW-15B-090817	9/8/2017	µg/L	**1,820**		**164**		**3,560**		**1,210**		50	U[b]	**133**		250	U[b]	--	
	MW-15B-120617	12/6/2017	µg/L	**1,760**		**239**		**3,630**		**1,380**		1	U	**135**		**37.6**		--	
	MW-15B-030818	3/8/2018	µg/L	**1,290**		**151**		**3,140**		**1,070**		25	U[b]	**93.2**		125	U[b]	--	
	MW-15B-060618	6/6/2018	µg/L	**968**		**82.8**		**1,990**		**791**		1	U	**109**		**12.8**		--	
	MW-15B-091218	9/12/2018	µg/L	**947**		**122**		**2,270**		**820**		1	U	**111**		**15.9**		--	
	MW-15B-120618	12/6/2018	µg/L	**725**		**96.4**		**1,890**		**777**		1	U	**71.8**		**11.7**		--	
	MW-15B-021919	2/19/2019	µg/L	**686**		**71.2**		**1,420**		**621**		1	U	**92.3**		**12.6**		--	
	MW-15B-030619	3/6/2019	µg/L	**729**		**78.3**		**1,580**		**649**		1	U	**91.2**		**15.4**		--	
	MW-15B-051519	5/15/2019	µg/L	**721**		**118**		**1,180**		**526**		1	U	**96.6**		**19.5**		--	
	MW-15B-060519	6/5/2019	µg/L	**590**		**48.4**		**1,090**		**492**		10	U[b]	**98.0**		50	U[b]	--	
	MW-15B-082219	8/22/2019	µg/L	**2,340**		200	U	**3,060**		**1,440**		1	U	**139**		**33.5**		--	
	MW-15B-091919	9/19/2019	µg/L	**3,870**		**260**		**3,920**		**2,720**		100	U[b]	**188**		500	U[b]	--	
	MW-15B-110619	11/6/2019	µg/L	**135**		**9.77**		**105**		**101**		1	U	**8.82**		5	U	--	
	MW-15B-122019	12/20/2019	µg/L	**4,200**		**238**		**2,690**		**2,260**		10	U[b]	**212**		50	U[b]	--	
MW-16	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-062917	6/29/2017	µg/L	**12,900**		**1,770**		**36,400**		**12,500**		500	U[b]	**1,740**		2,500	U[b]	--	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/7/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-030718	3/7/2018	µg/L	**130**		**295**		**1,370**		**2,470**		10	U[b]	**132**		**618**		--	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-16-091318	9/13/2018	µg/L	**150**		**200**		**2,100**		**2,730**		1	U	**21.5**		**635**		--	
	MW-16-120618	12/6/2018	µg/L	**10.3**		**38.7**		**132**		**398**		5	U	5	U	**460**		--	
	MW-16-030719	3/7/2019	µg/L	**9.06**		**15.7**		**74.1**		**186**		1	U	**1.02**		**398**		--	
	MW-16-060419	6/4/2019	µg/L	**9.56**		**15.4**		**78.9**		**162**		**1.06**		1	U	**192**		--	
	MW-16-091819	9/18/2019	µg/L	**8.36**		**5.80**		**73.9**		**118**		1	U	1	U	**132**		--	
	MW-16-121819	12/18/2019	µg/L	1	U	**1.88**		**14.3**		**58.6**		1	U	1	U	**15.9**		--	
MW-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	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/26/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/5/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/4/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/10/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-17	--	12/3/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-17-030519	3/5/2019	µg/L	**173**		**19.9**		**118**		**474**		1	U	**27.9**		5	U	--	
	MW-17-060519	6/5/2019	µg/L	**44.9**		5	U	**10.7**		**87.1**		5	U	**16.1**		25	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-17B	MW-17B-030116	3/1/2016	µg/L	**6,480**		**488**		**11,900**		**2,870**		**5**		**742**		**104**		0.019	U
	MW-17B-120116	12/1/2016	µg/L	**9,370**		**761**		**16,900**		**4,500**		100	U[b]	**954**		**112**		--	
	MW-17B-031317	3/13/2017	µg/L	**7,350**		**770**		**14,100**		**4,510**		200	U[b]	**944**		1,000	U[b]	--	
	MW-17B-032017	3/20/2017	µg/L	**10,700**		**1,360**		**21,400**		**7,910**		**323**		**1,210**		1,000	U[b]	--	
	MW-17B-033117	3/31/2017	µg/L	**9,190**		**900**		**17,500**		**5,910**		100	U[b]	**1,200**		500	U[b]		
	MW-17B-040617	4/6/2017	µg/L	**7,780**		**833**		**14,900**		**5,330**		200	U[b]	**991**		1,000	U[b]	--	
	MW-17B-062817	6/28/2017	µg/L	**11,200**		**704**		**21,600**		**5,650**		200	U[b]	**1,150**		1,000	U[b]	--	
	MW-17B-090817	9/8/2017	µg/L	**11,400**		**1,240**		**23,900**		**8,460**		20	U[b]	**1,330**		**201**		--	
	MW-17B-120717	12/7/2017	µg/L	**10,600**		**1,060**		**14,900**		**9,210**		10	U[b]	**1,140**		**178**		--	
	MW-17B-030718	3/7/2018	µg/L	**8,830**		**1,110**		**20,200**		**8,220**		50	U[b]	**960**		250	U[b]	--	
	MW-17B-060718	6/7/2018	µg/L	**8,910**		**1,250**		**20,200**		**9,130**		20	U[b]	**1,230**		**206**		--	
	MW-17B-080218	8/2/2018	µg/L	**9,470**		**1,190**		**23,200**		**8,530**		200	U[b]	**863**		1,000	U[b]	--	
	MW-17B-091118	9/11/2018	µg/L	**8,180**		**1,370**		**20,200**		**9,660**		50	U[b]	**832**		250	U[b]	--	
	MW-17B-110218	11/2/2018	µg/L	**7,770**		**1,080**		**12,700**		**7,380**		20	U[b]	**841**		**113**		--	
	MW-17B-120518	12/5/2018	µg/L	**6,860**		**1,010**		**24,400**		**8,550**		50	U[b]	**690**		250	U[b]	--	
	MW-17B-021919	2/19/2019	µg/L	**7,810**		**1,140**		**20,200**		**8,330**		1	U	**410**		**181**		--	
	MW-17B-030519	3/5/2019	µg/L	**8,360**		**1,370**		**22,400**		**9,180**		50	U[b]	**308**		**261**		--	
	MW-17B-051419	5/14/2019	µg/L	**7,320**		**1,040**		**18,500**		**8,370**		25	U[b]	**256**		**201**		--	
	MW-17B-060519	6/5/2019	µg/L	**7,390**		**1,220**		**16,600**		**8,370**		200	U[b]	**312**		1,000	U[b]	--	
	MW-17B-082219	8/22/2019	µg/L	**7,700**		**1,570**		**17,600**		**9,110**		5	U	**335**		**201**		--	
	MW-17B-091919	9/19/2019	µg/L	**7,700**		**833**		**12,000**		**8,740**		10	U[b]	**665**		**195**		--	
	MW-17B-110719	11/7/2019	µg/L	**7,080**		**1,080**		**8,130**		**6,130**		500	U[b]	500	U[b]	2,500	U[b]	--	
	MW-17B-121919	12/19/2019	µg/L	**6,960**		**981**		**7,590**		**5,170**		5	U	**582**		**184**		--	
MW-18	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/26/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/5/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/11/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-18-030719	3/7/2019	µg/L	**2.47**		**8.16**		**60.4**		**141**		1	U	**13.5**		**72.7**		--	
	MW-18-060419	6/4/2019	µg/L	**1.46**		**2.92**		**20.9**		**42.0**		**2.36**		**13.6**		**87.5**		--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-18	MW-18-091819	9/18/2019	µg/L	1	U	**1.30**		**10.7**		**37.4**		1	U	**15.4**		**48.7**		--	
	MW-18-121819	12/18/2019	µg/L	1	U	**1.61**		**6.60**		**17.8**		**1.42**		**3.93**		**9.59**		--	
MW-19	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-19-012116	1/21/2016	µg/L	**22.8**		**18.5**		**256**		**437**		1	U	1	U	**10.7**		0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
		3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-19-040617	4/6/2017	µg/L	**9,810**		**1,030**		**25,000**		**10,300**		250	U[b]	250	U[b]	1,250	U[b]	--	
	MW-19-062917	6/29/2017	µg/L	**9,410**		**683**		**27,200**		**9,580**		200	U[b]	**320**		1,000	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/5/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-19-060618	6/6/2018	µg/L	**8.15**		**149**		**385**		**1,260**		**1.53**		1	U	250	U[b]	--	
	MW-19-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-19-091318	9/13/2018	µg/L	**3.31**		**3.53**		**16.0**		**96.5**		1	U	1	U	**6.55**		--	
	MW-19-120518	12/5/2018	µg/L	5	U	**8.23**		**13.7**		**217**		5	U	5	U	25	U	--	
	MW-19-030519	3/5/2019	µg/L	5	U	**33.1**		**19.4**		**756**		5	U	5	U	**294**		--	
	MW-19-060519	6/5/2019	µg/L	5	U	5	U	5	U	**30.4**		5	U	5	U	25	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-19-121719	12/17/2019	µg/L	1	U	**1.23**		**6.08**		**56.1**		1	U	1	U	**13.1**		--	
MW-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	

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	
MW-20	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-20-071218	7/12/2018	µg/L	**5,740**		**1,350**		**18,100**		**14,500**		100	U[b]	**351**		500	U[b]	--	
	--	9/10/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-20-021919	2/19/2019	µg/L	**6,650**		**1,080**		**13,900**		**11,700**		5	U	**128**		**341**		--	
	MW-20-030519	3/5/2019	µg/L	**9,480**		**1,320**		**19,200**		**10,800**		100	U[b]	**187**		500	U[b]	--	
	MW-20-051519	5/15/2019	µg/L	**4,180**		**758**		**8,970**		**7,620**		100	U[b]	**105**		**636**		--	
	MW-20-060519	6/5/2019	µg/L	**11,200**		**1,460**		**22,800**		**10,200**		50	U[b]	**174**		**437**		--	
	MW-20-082019	8/20/2019	µg/L	**7,920**		**1,160**		**15,900**		**10,300**		100	U[b]	**238**		500	U[b]	--	
	--	9/16/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/4/2019	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-20-121719	12/17/2019	µg/L	**9,710**		**1,600**		**28,500**		**10,000**		100	U[b]	100	U[b]	500	U[b]	--	
MW-21	MW-21-072715	7/27/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-21-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-21-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-21-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-032117	3/21/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-21-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-22	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-012116	1/21/2016	µg/L	**19.8**		**3.40**		**47.2**		**37.4**		1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-062917	6/29/2017	µg/L	**234**		10	U	**125**		30	U	10	U[b]	10	U	50	U[b]	--	
	--	7/17/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/1/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-22	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-030618	3/6/2018	µg/L	1	U	1	U	**1.03**		3	U	1	U	1	U	5	U	--	
	MW-22-040618	4/6/2018	µg/L	1	U	1	U	**1.76**		**46.6**		1	U	1	U	5	U	--	
	MW-22-050318	5/3/2018	µg/L	**1.43**		**1.79**		**33.1**		**426**		1	U	1	U	1	U	--	
	MW-22-060518	6/5/2018	µg/L	1	U	1	U	**4.27**		**41.6**		1	U	1	U	5	U	--	
	MW-22-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-22-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-22-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-23	MW-23-072715	7/27/2015	µg/L	5	U[b]	5	U	**7.50**		10	U	5	U[b]	5	U	5	U	0.02	U
	MW-23-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-23-120216	12/2/2016	µg/L	**450**		5	U	**14.6**		**336**		5	U[b]	**46.4**		**5.90**		--	
	MW-23-031317	3/13/2017	µg/L	**709**		5	U	**23.1**		**548**		5	U[b]	**127**		25	U[b]	--	
	MW-23-032017	3/20/2017	µg/L	**642**		10	U	**12.7**		**579**		10	U[b]	**108**		50	U[b]	--	
	MW-23-033117	3/31/2017	µg/L	**685**		10	U	**16.5**		**624**		10	U[b]	**130**		50	U[b]	--	
	MW-23-040617	4/6/2017	µg/L	**432**		1	U	**6.61**		**254**		1	U	**76.5**		5	U	--	
	MW-23-062817	6/28/2017	µg/L	**131**		10	U	10	U	**117**		10	U[b]	**19.1**		5	U	--	
	MW-23-071717	7/17/2017	µg/L	**1.20**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23-080117	8/1/2017	µg/L	**132**		1	U	**6.18**		**252**		1	U	**48.1**		5	U	--	
	MW-23-090717	9/7/2017	µg/L	**1,110**		**9.25**		**43.1**		**999**		5	U[b]	**141**		25	U[b]	--	
	MW-23-100417	10/4/2017	µg/L	**703**		10	U	**17.5**		**515**		10	U[b]	**90.1**		50	U[b]	--	
	MW-23-110817	11/8/2017	µg/L	**788**		10	U	**21.5**		**580**		10	U[b]	**118**		50	U[b]	--	
	MW-23-120617	12/6/2017	µg/L	**693**		10	U	**17.0**		**408**		10	U[b]	**99.5**		50	U[b]	--	
	MW-23-010918	1/9/2018	µg/L	**127**		10	U	10	U	**137**		10	U[b]	**69.6**		50	U[b]	--	
	MW-23-020618	2/6/2018	µg/L	**1.10**		1	U	1	U	3	U	1	U	**33.8**		5	U	--	
	MW-23-030618	3/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**17.5**		5	U	--	
	MW-23-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**32.0**		5	U	--	
	MW-23-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**19.1**		5	U	--	
	MW-23-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**5.28**		5	U	--	
	MW-23-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**7.05**		5	U	--	
	MW-23-080218	8/2/2018	µg/L	**17.9**		1	U	1	U	**10.4**		1	U	**5.01**		5	U	--	
	MW-23-091118	9/11/2018	µg/L	**2.30**		1	U	1	U	3	U	1	U	**11.0**		5	U	--	
	MW-23-110218	11/2/2018	µg/L	**11.1**		1	U	**2.48**		**4.85**		1	U	**8.35**		5	U	--	
	MW-23-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.08**		5	U	--	
	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**		--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-23	MW-23-060519	6/5/2019	µg/L	**520**		5	U	**5.77**		**211**		5	U	**27.7**		25	U	--	
	MW-23-082119	8/21/2019	µg/L	**1,860**		**82.8**		**507**		**1,190**		10	U[b]	**88.7**		50	U[b]	--	
	MW-23-091919	9/19/2019	µg/L	**2,950**		**192**		**1,060**		**2,210**		5	U	**99.9**		**38.4**		--	
	MW-23-110719	11/7/2019	µg/L	**1,200**		20	U	**94.1**		**481**		20	U[b]	**41.7**		100	U[b]	--	
	MW-23-122019	12/20/2019	µg/L	**575**		**10.1**		**12.0**		**279**		1	U	**41.8**		**11.0**		--	
MW-23B	MW-23B-080515	8/5/2015	µg/L	5	U[b]	5	U	**7.00**		10	U	5	U[b]	5	U	5	U	0.02	U
	MW-23B-012016	1/20/2016	µg/L	1	U	1	U	**3.90**		**7.10**		1	U	1	U	1	U	0.02	U
	MW-23B-120216	12/2/2016	µg/L	1	U	**1.40**		**3.50**		**11.0**		1	U	1	U	**1.30**		--	
	MW-23B-031317	3/13/2017	µg/L	1	U	**1.11**		**2.63**		**8.86**		1	U	1	U	5	U	--	
	MW-23B-032017	3/20/2017	µg/L	1	U	**1.55**		**2.98**		**11.7**		1	U	1	U	5	U	--	
	MW-23B-033117	3/31/2017	µg/L	1	U	**1.24**		**2.41**		**8.86**		1	U	1	U	5	U	--	
	MW-23B-040617	4/6/2017	µg/L	1	U	**1.21**		**2.41**		**9.23**		1	U	1	U	5	U	--	
	MW-23B-062817	6/28/2017	µg/L	1	U	1	U	**1.73**		**6.20**		1	U	1	U	5	U	--	
	MW-23B-090717	9/7/2017	µg/L	1	U	1	U	**1.65**		**5.40**		1	U	1	U	5	U	--	
	MW-23B-120617	12/6/2017	µg/L	1	U	**1.20**		**2.48**		**7.93**		1	U	1	U	5	U	--	
	MW-23B-030618	3/6/2018	µg/L	1	U	**1.20**		**4.57**		**9.14**		1	U	1	U	5	U	--	
	MW-23B-060518	6/5/2018	µg/L	1	U	1	U	**1.08**		**4.21**		1	U	1	U	5	U	--	
	MW-23B-091118	9/11/2018	µg/L	1	U	1	U	**1.24**		3	U	1	U	1	U	5	U	--	
	MW-23B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-23B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24	MW-24-080515	8/5/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-24-012616	1/26/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-24-120716	12/7/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-24-062817	6/28/2017	µg/L	**28.8**		**3.96**		**1.70**		**22.2**		1	U	1	U	5	U	--	
	MW-24-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24B	MW-24B-080515	8/5/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-24B-012616	1/26/2016	µg/L	1	U	1	U	**3.30**		**6.80**		1	U	1	U	1	U	0.019	U
	MW-24B-120716	12/7/2016	µg/L	1	U	1	U	**2.90**		**1.60**		1	U	1	U	1	U	--	
	MW-24B-062817	6/28/2017	µg/L	**28.9**		**3.89**		**1.77**		**20.7**		1	U	1	U	5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-24B	MW-24B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25	MW-25-012716	1/27/2016	µg/L	**101**		1	U	1	U	**115**		1	U	1	U	**1.80**		0.02	U
	MW-25-012716	12/1/2016	µg/L	**675**		**30.2**		**15.3**		**619**		5	U[b]	**5.90**		**29.7**		--	
	MW-25-031417	3/14/2017	µg/L	**627**		**28.6**		**10.1**		**668**		10	U[b]	10	U	50	U[b]	--	
	MW-25-032017	3/20/2017	µg/L	**604**		**20.4**		20	U	**680**		20	U[b]	20	U	100	U[b]	--	
	MW-25-033117	3/31/2017	µg/L	**673**		**30.1**		**12.0**		**736**		10	U[b]	10	U	50	U[b]	--	
	MW-25-040617	4/6/2017	µg/L	**558**		**24.3**		10	U	**682**		10	U[b]	10	U	50	U[b]	--	
	MW-25-050317	5/3/2017	µg/L	**519**		**49.3**		**10.1**		**614**		1	U	1	U	**43.2**		--	
	MW-25-062817	6/28/2017	µg/L	**431**		**34.8**		10	U	**520**		10	U[b]	10	U	50	U[b]	--	
	MW-25-071717	7/17/2017	µg/L	**230**		**13.4**		10	U	**264**		10	U[b]	10	U	50	U[b]	--	
	MW-25-080117	8/1/2017	µg/L	**234**		**14.4**		10	U	**277**		10	U[b]	10	U	50	U[b]	--	
	MW-25-090817	9/8/2017	µg/L	**200**		**12.2**		**1.27**		**214**		1	U	1	U	**10.6**		--	
	MW-25-100417	10/4/2017	µg/L	**173**		**16.2**		**1.73**		**276**		1	U	**1.10**		**6.77**		--	
	MW-25-110817	11/8/2017	µg/L	**82.9**		**7.21**		1	U	**143**		1	U	1	U	**7.74**		--	
	MW-25-120617	12/6/2017	µg/L	**23.8**		**1.84**		1	U	**60.5**		1	U	1	U	5	U	--	
	MW-25-010918	1/9/2018	µg/L	**72.0**		**2.74**		1	U	**111**		1	U	1	U	5	U	--	
	MW-25-020618	2/6/2018	µg/L	**10.8**		1	U	1	U	**19.3**		1	U	1	U	5	U	--	
	MW-25-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-25B	MW-25B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26	MW-26-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-26-120116	12/1/2016	µg/L	1	U	1	U	**2.30**		1	U	1	U	1	U	1	U	--	
	MW-26-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-110817	11/8/2017	µg/L	1	U	1	U	**1.17**		3	U	1	U	1	U	5	U	--	
	MW-26-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-010918	1/9/2018	µg/L	1	U	**1.79**		**6.20**		**13.8**		1	U	1	U	5	U	--	
	MW-26-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-030618	3/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-060519	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	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-26	MW-26-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26B	MW-26B-012016	1/20/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-26B-120116	12/1/2016	µg/L	1	U	1	U	1	U	**1.30**		1	U	1	U	1	U	--	
	MW-26B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-030618	3/6/2018	µg/L	1	U	1	U	**1.03**		3	U	1	U	1	U	5	U	--	
	MW-26B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-26B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27	MW-27-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-27-062817	6/28/2017	µg/L	**2.69**		**4.06**		**3.88**		**35.9**		1	U	1	U	5	U	--	
	MW-27-090817	9/8/2017	µg/L	**4.96**		**5.75**		**2.13**		**14.8**		1	U	1	U	5	U	--	
	MW-27-120517	12/5/2017	µg/L	**6.48**		**8.23**		**12.5**		**20.5**		1	U	1	U	5	U	--	
	MW-27-030818	3/8/2018	µg/L	**14.5**		**29.7**		**62.3**		**227**		1	U	1	U	5	U	--	
	MW-27-060518	6/5/2018	µg/L	**5.74**		**7.74**		**22.6**		**70.3**		1	U	1	U	5	U	--	
	MW-27-091118	9/11/2018	µg/L	**2.06**		**2.94**		**7.44**		**25.6**		1	U	1	U	5	U	--	
	MW-27-120518	12/5/2018	µg/L	**2.96**		**9.03**		**23.1**		**50.3**		1	U	1	U	5	U	--	
	MW-27-030519	3/5/2019	µg/L	1	U	1	U	**4.05**		**9.95**		1	U	1	U	5	U	--	
	MW-27-060519	6/5/2019	µg/L	**1.33**		1	U	**5.04**		**11.0**		1	U	1	U	5	U	--	
	MW-27-091919	9/19/2019	µg/L	**1.04**		1	U	**1.09**		**5.00**		1	U	1	U	5	U	--	
	MW-27-121819	12/18/2019	µg/L	**1.09**		1	U	1	U	**5.19**		1	U	1	U	5	U	--	
MW-27B	MW-27B-051216	5/12/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-27B-120216	12/2/2016	µg/L	1	U	**5.30**		**9.1**		**45.7**		1	U	1	U	**8.90**		--	
	MW-27B-062817	6/28/2017	µg/L	1	U	**4.04**		**4.04**		**32.7**		1	U	1	U	**6.09**		--	
	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	--	

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	
MW-27B	MW-27B-120518	12/5/2018	µg/L	1	U	**2.47**		**4.97**		**21.1**		1	U	1	U	5	U	--	
	MW-27B-030519	3/5/2019	µg/L	1	U	**2.40**		**4.76**		**20.0**		1	U	1	U	5	U	--	
	MW-27B-060519	6/5/2019	µg/L	1	U	**1.85**		**3.59**		**14.7**		1	U	1	U	5	U	--	
	MW-27B-091919	9/19/2019	µg/L	1	U	**2.05**		**3.87**		**16.2**		1	U	1	U	5	U	--	
	MW-27B-121719	12/17/2019	µg/L	1	U	**2.35**		**4.27**		**18.4**		1	U	1	U	5	U	--	
MW-28	MW-28-012716	1/27/2016	µg/L	**542**		**430**		**3,850**		**3,370**		1	U	**4.80**		**96.3**		0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-031517	3/15/2017	µg/L	**1,120**		**68.9**		**3,350**		**1,370**		50	U[b]	50	U[b]	250	U	--	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-050317	5/3/2017	µg/L	**65.9**		**14.5**		**263**		**1,010**		1	U	**2.94**		**9.33**		--	
	MW-28-062817	6/28/2017	µg/L	**199**		**55.0**		**108**		**546**		1	U	1	U	**10.1**		--	
	MW-28-071717	7/17/2017	µg/L	**219**		**64.2**		**85.8**		**422**		1	U	1	U	**14.7**		--	
	MW-28-080217	8/2/2017	µg/L	**219**		**48.7**		**52.7**		**187**		1	U	**3.46**		**11.9**		--	
	MW-28-090817	9/8/2017	µg/L	**130**		**16.2**		**175**		**388**		1	U	**4.77**		**13.6**		--	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-030818	3/8/2018	µg/L	**10.1**		**9.92**		**5.27**		**21.2**		1	U	1	U	5	U	--	
	MW-28-040618	4/6/2018	µg/L	**16.1**		**11.6**		**4.00**		**23.4**		1	U	1	U	5	U	--	
	MW-28-050318	5/3/2018	µg/L	**8.25**		**8.82**		**1.55**		**24.5**		1	U	1	U	5	U	--	
	MW-28-060518	6/5/2018	µg/L	**3.81**		**3.77**		**1.01**		**16.0**		1	U	1	U	5	U	--	
	MW-28-071218	7/12/2018	µg/L	**3.91**		**5.19**		**1.05**		**8.82**		1	U	1	U	5	U	--	
	MW-28-091118	9/11/2018	µg/L	**28.0**		**25.2**		**3.66**		**4.89**		1	U	1	U	5	U	--	
	MW-28-120518	12/5/2018	µg/L	**13.7**		**8.04**		**1.47**		3	U	1	U	1	U	5	U	--	
	MW-28-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-091719	9/17/2019	µg/L	**1.68**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-28-121919	12/19/2019	µg/L	**23.7**		**18.3**		**2.79**		**4.33**		1	U	1	U	5	U	--	
MW-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	--	

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	
MW-29	MW-29-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-30	MW-30-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-050417	5/4/2017	µg/L	**104**		**3.98**		**341**		**161**		1	U	1	U	5	U	--	
	MW-30-062917	6/29/2017	µg/L	**646**		25	U	**1,630**		**736**		25	U[b]	25	U	125	U[b]	--	
	MW-30-071717	7/17/2017	µg/L	**922**		25	U	**2,050**		**1,320**		25	U[b]	25	U	125	U[b]	--	
	MW-30-080217	8/2/2017	µg/L	**1,240**		**25.9**		**1,020**		**2,230**		25	U[b]	25	U	125	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-020518	2/5/2018	µg/L	**2.20**		1	U	**1.86**		**4.10**		1	U	1	U	5	U	--	
	MW-30-030718	3/7/2018	µg/L	**22.1**		1	U	**8.94**		**19.1**		1	U	**2.25**		5	U	--	
	MW-30-040618	4/6/2018	µg/L	**1.90**		1	U	**7.38**		**5.95**		1	U	**2.22**		5	U	--	
	MW-30-050318	5/3/2018	µg/L	**1.19**		1	U	**3.70**		3	U	1	U	**2.29**		5	U	--	
	MW-30-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.58**		5	U	--	
	MW-30-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.79**		5	U	--	
	--	9/11/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-30-120718	12/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.94**		**9.22**		--	
	MW-30-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-30-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

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

				Analyte															
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-31	MW-31-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-31-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-31-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-31-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-31B	MW-31B-051116	5/11/2016	µg/L	1	U	1	U	**2.70**		1	U	1	U	1	U	1	U	0.02	U
MW-32	MW-32-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-32-120616	12/6/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-32-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-32-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-33T	MW-33T-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-34	MW-34-031517	3/15/2017	--	**978**		**33.0**		**143**		**218**		10	U[b]	**157**		50	U[b]	--	
	MW-34-032017	3/20/2017	µg/L	**801**		10.0	U	**113**		**305**		10	U[b]	**149**		50	U[b]	--	
	MW-34-033117	3/31/2017	µg/L	**728**		10.0	U	**81.4**		**224**		10	U[b]	**152**		50	U[b]	--	
	MW-34-040617	4/6/2017	µg/L	**860**		**1.70**		**58.6**		**181**		1	U	**123**		5	U	--	
	MW-34-050317	5/3/2017	µg/L	**287**		**2.62**		**27.2**		**130**		1	U	**124**		5	U	--	
	MW-34-062817	6/28/2017	µg/L	**167**		**4.59**		**9.30**		**39.2**		1	U	**68.3**		5	U	--	
	MW-34-071717	7/17/2017	µg/L	**137**		**5.83**		**19.8**		**69.5**		1	U	**73.8**		5	U	--	
	MW-34-080117	8/1/2017	µg/L	**517**		10	U	**31.7**		**110**		10	U[b]	**98.3**		50	U[b]	--	
	MW-34-090817	9/8/2017	µg/L	**1,430**		**6.01**		**98.0**		**264**		1	U	**191**		**7.33**		--	
	MW-34-100417	10/4/2017	µg/L	**919**		10	U	**36.8**		**157**		10	U[b]	**151**		50	U[b]	--	
	MW-34-110817	11/8/2017	µg/L	**338**		10	U	**15.3**		**140**		10	U[b]	**266**		50	U[b]	--	
	MW-34-120617	12/6/2017	µg/L	**169**		10	U	**29.7**		**69.9**		10	U[b]	**218**		50	U[b]	--	
	MW-34-010918	1/9/2018	µg/L	**147**		10	U	**13.1**		**79.8**		10	U[b]	**246**		50	U[b]	--	
	MW-34-020618	2/6/2018	µg/L	**249**		10	U	**19.2**		**88.3**		10	U[b]	**191**		50	U[b]	--	
	MW-34-030818	3/8/2018	µg/L	**696**		**7.35**		**51.6**		**180**		1	U	**229**		**5.84**		--	
	MW-34-040618	4/6/2018	µg/L	**619**		**2.22**		**31.9**		**150**		1	U	**281**		**7.77**		--	
	MW-34-050318	5/3/2018	µg/L	**342**		10	U	**18.1**		**99.7**		10	U[b]	**278**		50	U[b]	--	
	MW-34-060518	6/5/2018	µg/L	**63.1**		1	U	**3.28**		**19.2**		1	U	**247**		5	U	--	
	MW-34-071218	7/12/2018	µg/L	**186**		**2.41**		**9.34**		**33.7**		1	U	**153**		5	U	--	
	MW-34-080218	8/2/2018	µg/L	**414**		**5.27**		**32.6**		**53.6**		1	U	**147**		5	U	--	
	MW-34-091218	9/12/2018	µg/L	**21.8**		1	U	1	U	3	U	1	U	**209**		5	U	--	
	MW-34-110218	11/2/2018	µg/L	**75.1**		1	U	**1.53**		**8.16**		1	U	**302**		5	U	--	
	MW-34-120618	12/6/2018	µg/L	1	U	1	U	1	U	**6.63**		1	U	**271**		5	U	--	
	MW-34-022019	2/20/2019	µg/L	**124**		**1.13**		**3.82**		15	U	1	U	**303**		5	U	--	
	MW-34-030619	3/6/2019	µg/L	**42.4**		1	U	1	U	**5.32**		1	U	**242**		5	U	--	
	MW-34-051519	5/15/2019	µg/L	**162**		**2.18**		**2.63**		**14.9**		1	U	**163**		5	U	--	
	MW-34-060519	6/5/2019	µg/L	**36.6**		5	U	5	U	15	U	5	U	**148**		25	U	--	
	MW-34-082219	8/22/2019	µg/L	**102**		5	U	5	U	15	U	1	U	**207**		**5.05**		--	
	MW-34-091919	9/19/2019	µg/L	**12.9**		1	U	1	U	3	U	1	U	**109**		5	U	--	
	MW-34-110619	11/6/2019	µg/L	**85.5**		**1.44**		1	U	**13.9**		1	U	**169**		5	U	--	
	MW-34-122019	12/20/2019	µg/L	**157**		**1.73**		1	U	**21.0**		1	U	**173**		5	U	--	
MW-35	MW-35-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-35-120116	12/1/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-35-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-35	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-35-121719	12/17/2019	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	1	U	0.02	U
	MW-36-112916	11/29/2016	µg/L	**1.30**		1	U	**6.50**		**1.10**		1	U	1	U	1	U	--	
	MW-36-062917	6/29/2017	µg/L	**2.11**		1	U	**2.28**		3	U	1	U	1	U	5	U	--	
	MW-36-090817	9/8/2017	µg/L	**4.75**		1	U	**6.16**		**4.62**		1	U	1	U	5	U	--	
	MW-36-120717	12/7/2017	µg/L	**17.5**		1	U	**30.2**		**14.4**		1	U	1	U	5	U	--	
	MW-36-030718	3/7/2018	µg/L	**44.2**		10	U	**75.2**		**38.4**		10	U[b]	10	U	50	U[b]	--	
	MW-36-060718	6/7/2018	µg/L	**184**		1	U	**208**		**134**		1	U	**2.06**		5	U	--	
	MW-36-091318	9/13/2018	µg/L	**238**		1	U	**326**		**238**		1	U	1	U	5	U	--	
	MW-36-120618	12/6/2018	µg/L	**146**		1	U	**181**		**142**		1	U	1	U	5	U	--	
	MW-36-021919	2/19/2019	µg/L	**708**		1	U	**186**		**152**		1	U	1	U	5	U	--	
	MW-36-030719	3/7/2019	µg/L	**223**		1	U	**210**		**161**		1	U	**2.67**		5	U	--	
	MW-36-051519	5/15/2019	µg/L	**1,160**		5	U	**78.4**		**482**		5	U	**292**		**228**		--	
	MW-36-060419	6/4/2019	µg/L	**1,100**		1	U	**48.1**		**428**		1	U	1	U	5	U	--	
	MW-36-081919	8/19/2019	µg/L	**484**		20	U	**27.5**		**197**		20	U[b]	20	U	100	U[b]	--	
	MW-36-091919	9/19/2019	µg/L	**360**		10	U	**46.0**		**188**		10	U[b]	10	U	50	U[b]	--	
	MW-36-110419	11/4/2019	µg/L	**172**		5	U	**39.7**		**78.7**		5	U	5	U	25	U	--	
	MW-36-121819	12/18/2019	µg/L	**185**		1	U	**66.2**		**78.2**		1	U	1	U	5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-36B	MW-36B-051116	5/11/2016	µg/L	1	U	1	U	**7.20**		1	U	1	U	1	U	1	U	0.02	U
	MW-36B-112916	11/29/2016	µg/L	1	U	1	U	**1.60**		1	U	1	U	1	U	1	U	--	
	MW-36B-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-120717	12/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	7W-36B-060618	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-36B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-37	MW-37-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-37-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**1.44**		5	U	--	
	MW-37-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**1.50**		5	U	--	
	MW-37-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**2.93**		5	U	--	
	MW-37-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**3.71**		5	U	--	
	MW-37-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**5.06**		5	U	--	
	MW-37-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**4.30**		5	U	--	
	MW-37-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-071819	7/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-082019	8/20/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-110519	11/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-37-121919	12/19/2019	µg/L	1	U	1	U	**3.03**		3	U	1	U	**1.66**		5	U	--	
MW-38	MW-38-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	**5.50**		1	U	--	
	MW-38-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.14**		5	U	--	
	MW-38-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.55**		5	U	--	
	MW-38-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**10.2**		5	U	--	
	MW-38-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.06**		5	U	--	
	MW-38-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.08**		5	U	--	
	MW-38-062817	6/28/2017	µg/L	**9.71**		**1.17**		1	U	**6.63**		1	U	1	U	5	U	--	
	MW-38-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.59**		5	U	--	
	MW-38-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.25**		5	U	--	
	MW-38-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**12.9**		5	U	--	
	MW-38-100417	10/4/2017	µg/L	**1.75**		1	U	1	U	3	U	1	U	**11.2**		5	U	--	

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	
MW-38	MW-38-110817	11/8/2017	µg/L	**4.48**		1	U	1	U	**12.4**		1	U	**29.2**		5	U	--	
	MW-38-120617	12/6/2017	µg/L	**102**		1	U	1	U	**86.1**		1	U	**38.0**		5	U	--	
	MW-38-010918	1/9/2018	µg/L	**311**		1	U	**2.31**		**158**		1	U	**49.4**		5	U	--	
	MW-38-020618	2/6/2018	µg/L	**389**		5	U	5	U	**208**		5	U	**48.8**		25	U	--	
	MW-38-030818	3/8/2018	µg/L	**364**		5	U	5	U	**202**		5	U	**54.8**		25	U	--	
	MW-38-040618	4/6/2018	µg/L	**347**		1	U	**2.95**		**221**		1	U	**68.8**		**10.4**		--	
	MW-38-050318	5/3/2018	µg/L	**378**		10	U	10	U	**212**		10	U[b]	**62.1**		50	U[b]	--	
	MW-38-060518	6/5/2018	µg/L	**373**		1	U	**2.49**		**222**		1	U	**75.5**		**9**		--	
	MW-38-071218	7/12/2018	µg/L	**268**		1	U	**1.27**		**138**		1	U	**52.5**		**7.26**		--	
	MW-38-091218	9/12/2018	µg/L	**157**		1	U	**1.19**		**66.5**		1	U	**38.8**		5	U	--	
	MW-38-120618	12/6/2018	µg/L	**412**		1	U	**1.90**		**236**		1	U	**89.7**		**13.7**		--	
	MW-38-021919	2/19/2019	µg/L	**887**		1	U	10	U	**331**		1	U	**87.1**		**14.3**		--	
	MW-38-030619	3/6/2019	µg/L	**849**		1	U	**2.55**		**278**		1	U	**96.7**		**18.0**		--	
	MW-38-051519	5/15/2019	µg/L	**614**		1	U	**1.42**		**178**		1	U	**95.6**		**10.1**		--	
	MW-38-060519	6/5/2019	µg/L	**950**		100	U	100	U	300	U	100	U[b]	**118**		500	U[b]	--	
	MW-38-071819	7/18/2019	µg/L	**1,260**		1	U	**3.27**		**308**		1	U	**104**		**16.2**		--	
	MW-38-082019	8/20/2019	µg/L	**1,030**		10	U	10	U	**279**		10	U[b]	**116**		50	U[b]	--	
	MW-38-091719	9/17/2019	µg/L	**40.2**		10	U	10	U	30	U	10	U[b]	**88.2**		50	U[b]	--	
	MW-38-110519	11/5/2019	µg/L	**7.33**		1	U	1	U	**7.01**		1	U	**64.4**		5	U	--	
	MW-38-121919	12/19/2019	µg/L	**2.19**		1	U	**1.52**		**5.85**		1	U	**80.0**		5	U	--	
MW-39	MW-39-120716	12/7/2016	µg/L	**6,320**		**682**		**1,290**		**3,650**		50	U[b]	**311**		**86**		--	
	MW-39-031417	3/14/2017	µg/L	**6,370**		**431**		**2,200**		**3,700**		10	U[b]	**199**		**117**		--	
	MW-39-032017	3/20/2017	µg/L	**7,340**		**704**		**2,990**		**4,050**		100	U[b]	**248**		500	U[b]	--	
	MW-39-033117	3/31/2017	µg/L	**7,540**		**899**		**3,140**		**4,400**		50	U[b]	**272**		250	U[b]	--	
	MW-39-040617	4/6/2017	µg/L	**6,180**		**754**		**3,280**		**3,860**		50	U[b]	**257**		250	U[b]	--	
	MW-39-062817	6/28/2017	µg/L	**5,470**		**58**		**3,360**		**3,900**		20	U[b]	**239**		100	U[b]	--	
	MW-39-071717	7/17/2017	µg/L	**4,690**		100	U	**3,760**		**4,580**		100	U[b]	**344**		500	U[b]	--	
	MW-39-080117	8/1/2017	µg/L	**4,630**		100	U	**2,880**		**4,740**		100	U[b]	**348**		500	U[b]	--	
	MW-39-090817	9/8/2017	µg/L	**3,380**		**10.7**		**1,040**		**2,740**		1	U	**376**		**15.6**		--	
	MW-39-100417	10/4/2017	µg/L	**1,560**		50	U	**365**		**1,350**		50	U[b]	**305**		250	U[b]	--	
	MW-39-110817	11/8/2017	µg/L	**878**		50	U	**123**		**368**		50	U[b]	**442**		250	U[b]	--	
	MW-39-120617	12/6/2017	µg/L	**345**		50	U	**69**		**150**		50	U[b]	**355**		250	U[b]	--	
	MW-39-010918	1/9/2018	µg/L	**23.8**		5	U	5	U	15	U	5	U	**370**		25	U	--	
	MW-39-020618	2/6/2018	µg/L	**46.9**		5	U	5	U	15	U	5	U	**263**		25	U	--	
	MW-39-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**304**		5	U	--	
	MW-39-040618	4/6/2018	µg/L	**1.00**		1	U	1	U	3	U	1	U	**297**		5	U	--	
	MW-39-050318	5/3/2018	µg/L	10	U	10	U	10	U	30	U	10	U[b]	**287**		50	U[b]	--	
	MW-39-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**322**		5	U	--	
	MW-39-071218	7/12/2018	µg/L	**1.00**		1	U	1	U	3	U	1	U	**244**		5	U	--	
	MW-39-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**176**		5	U	--	
	MW-39-120618	12/6/2018	µg/L	**30.6**		1	U	**7.49**		**29.3**		1	U	**156**		5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-39	MW-39-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**53.8**		5	U	--	
	MW-39-030619	3/6/2019	µg/L	**1.91**		1	U	**1.01**		3	U	1	U	**61.0**		5	U	--	
	MW-39-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**89.4**		5	U	--	
	MW-39-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**156**		5	U	--	
	MW-39-081919	8/19/2019	µg/L	**10.9**		1	U	1	U	**5.35**		1	U	**162**		5	U	--	
	MW-39-091919	9/19/2019	µg/L	**1.67**		1	U	1	U	3	U	1	U	**121**		5	U	--	
	MW-39-110419	11/4/2019	µg/L	**14.3**		1	U	1	U	**7.75**		1	U	**114**		5	U	--	
	MW-39-121819	12/18/2019	µg/L	**8.47**		1	U	1	U	**7.49**		1	U	**114**		5	U	--	
MW-40	MW-40-120716	12/7/2016	µg/L	**6,730**		**588**		**7,460**		**3,390**		50	U[b]	**373**		**64.8**		--	
	MW-40-031417	3/14/2017	µg/L	**11,600**		**1,280**		**16,100**		**7,260**		50	U[b]	**691**		250	U[b]	--	
	MW-40-032017	3/20/2017	µg/L	**12,300**		**1,330**		**19,600**		**7,500**		200	U[b]	**654**		1,000	U[b]	--	
	MW-40-033117	3/31/2017	µg/L	**13,300**		**1,500**		**19,500**		**8,070**		100	U[b]	**727**		500	U[b]	--	
	MW-40-040617	4/6/2017	µg/L	**10,400**		**1,180**		**16,200**		**6,570**		200	U[b]	**650**		1,000	U[b]	--	
	MW-40-062817	6/28/2017	µg/L	**9,250**		**1,030**		**19,200**		**6,540**		500	U[b]	**590**		2,500	U[b]	--	
	MW-40-071717	7/17/2017	µg/L	**11,400**		**1,210**		**25,300**		**7,430**		500	U[b]	**727**		2,500	U[b]	--	
	MW-40-080117	8/1/2017	µg/L	**12,000**		**1,120**		**23,200**		**8,070**		500	U[b]	**631**		2,500	U[b]	--	
	MW-40-090817	9/8/2017	µg/L	**14,300**		**1,250**		**28,700**		**9,250**		20	U[b]	**716**		**219**		--	
	MW-40-100417	10/4/2017	µg/L	**13,800**		1,000	U[b]	**28,800**		**9,530**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-110817	11/8/2017	µg/L	**13,500**		1,000	U[b]	**23,000**		**9,290**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-120617	12/6/2017	µg/L	**14,300**		1,000	U[b]	**22,300**		**10,100**		1,000	U[b]	1,000	U[b]	5,000	U[b]	--	
	MW-40-010918	1/9/2018	µg/L	**12,400**		**773**		**22,300**		**10,200**		200	U[b]	**497**		1,000	U[b]	--	
	MW-40-020618	2/6/2018	µg/L	**11,100**		**777**		**20,300**		**9,350**		200	U[b]	**373**		1,000	U[b]	--	
	MW-40-030818	3/8/2018	µg/L	**8,450**		**498**		**14,500**		**7,580**		50	U[b]	**337**		250	U[b]	--	
	MW-40-040618	4/6/2018	µg/L	**6,710**		**212**		**8,350**		**5,460**		100	U[b]	**423**		500	U[b]	--	
	MW-40-050318	5/3/2018	µg/L	**2,890**		100	U	**3,490**		**3,350**		100	U[b]	**288**		500	U[b]	--	
	MW-40-060518	6/5/2018	µg/L	**472**		**16.8**		**514**		**1,490**		1	U	**255**		**20.4**		--	
	MW-40-071218	7/12/2018	µg/L	**148**		**6.85**		**28.7**		**197**		1	U	**152**		**8.62**		--	
	MW-40-080218	8/2/2018	µg/L	**123**		**4.46**		**9.67**		**93.2**		1	U	**183**		5	U	--	
	MW-40-091218	9/12/2018	µg/L	**28.2**		**1.67**		**15.3**		**14.0**		1	U	**112**		5	U	--	
	MW-40-110218	11/2/2018	µg/L	**6.40**		1	U	**2.05**		3	U	1	U	**76.7**		5	U	--	
	MW-40-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**36.2**		5	U	--	
	MW-40-022019	2/20/2019	µg/L	**2.68**		1	U	1	U	3	U	1	U	**7.34**		5	U	--	
	MW-40-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.73**		5	U	--	
	MW-40-051419	5/14/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.12**		5	U	--	
	MW-40-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.81**		5	U	--	
	MW-40-082119	8/21/2019	µg/L	**2.56**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-40-091919	9/19/2019	µg/L	**4.50**		1	U	**3.17**		3	U	1	U	1	U	5	U	--	
	MW-40-110619	11/6/2019	µg/L	**10.1**		1	U	**13.1**		**21.4**		1	U	**2.67**		5	U	--	
	MW-40-121919	12/19/2019	µg/L	**86.1**		**6.09**		**86.2**		**127**		1	U	**12.6**		5	U	--	

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

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

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-42	MW-42-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43	MW-43-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**4.42**		5	U	--	
	MW-43-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43B	MW-43B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-43B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-062917	6/29/2017	µg/L	**1.06**		1	U	**7.12**		**3.11**		1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-44-121919	12/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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

				Analyte																	
Location	Sample ID	Sample Date	Units	Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-44B	MW-44B-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-062817	6/28/2017	µg/L	1	U	1	U	**2.39**		3	U	1	U	1	U	5	U	--	
	MW-44B-090717	9/7/2017	µg/L	1	U	1	U	**3.07**		3	U	1	U	1	U	5	U	--	
	MW-44B-120517	12/5/2017	µg/L	1	U	1	U	**2.27**		3	U	1	U	1	U	5	U	--	
	MW-44B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-44B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-45	--	3/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/31/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	4/6/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-45-062917	6/29/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-080217	8/2/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/8/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-45-030618	3/6/2018	µg/L	**24.3**		**6.11**		**28.9**		**41.2**		1	U	1	U	5	U	--	
	MW-45-040618	4/6/2018	µg/L	**21.9**		**3.08**		**19.6**		**36.6**		1	U	1	U	5	U	--	
	MW-45-050318	5/3/2018	µg/L	**2.65**		1	U	1	U	1	U	1	U	**3.35**		5	U	--	
	MW-45-060718	6/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-071318	7/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-091318	9/13/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**46.3**		5	U	--	
	MW-45-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**3.67**		5	U	--	
	MW-45-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**47.7**		5	U	--	
	MW-45-091719	9/17/2019	µg/L	**5.24**		1	U	1	U	1	U	1	U	**103**		5	U	--	
	--	12/16/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
MW-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	--	

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	
MW-45B	MW-45B-062817	6/28/2017	µg/L	1	U	1	U	**1.73**		3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-45B-120717	12/7/2017	µg/L	1	U	1	U	**3.26**		3	U	1	U	1	U	5	U	--	
	MW-45B-030618	3/6/2018	µg/L	1	U	1	U	**2.75**		3	U	1	U	1	U	5	U	--	
	MW-45B-060718	6/7/2018	µg/L	1	U	1	U	**1.94**		3	U	1	U	1	U	5	U	--	
	MW-45B-091118	9/11/2018	µg/L	1	U	1	U	**1.16**		3	U	1	U	1	U	5	U	--	
	MW-45B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-091919	9/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-46	MW-46-120617	12/6/2017	µg/L	**4.97**		1	U	1	U	**7.74**		1	U	**85.5**		5	U	--	
	MW-46-030618	3/6/2018	µg/L	**173**		**1.76**		**16.5**		**29.5**		1	U	**129**		**7.21**		--	
	MW-46-060518	6/5/2018	µg/L	**294**		1	U	**11.8**		**147**		1	U	**184**		5	U	--	
	MW-46-080218	8/2/2018	µg/L	**1,520**		**4.24**		**92.1**		**763**		1	U	**200**		**20.7**		--	
	MW-46-091118	9/11/2018	µg/L	**1,510**		**6.81**		**64.0**		**597**		1	U	**311**		**23.4**		--	
	MW-46-110218	11/2/2018	µg/L	**1,790**		**7.10**		**120**		**740**		1	U	**299**		**16.6**		--	
	MW-46-120518	12/5/2018	µg/L	**1,250**		**3.07**		**46.7**		**521**		**1.90**		**290**		**7.38**		--	
	MW-46-022019	2/20/2019	µg/L	**2,380**		**2.97**		**82.4**		**799**		1	U	**346**		**22.4**		--	
	MW-46-030519	3/5/2019	µg/L	**2,350**		**4.01**		**73.7**		**701**		1	U	**406**		**32.8**		--	
	MW-46-051419	5/14/2019	µg/L	**1,300**		**2.27**		**54.8**		**412**		1	U	**174**		**28.9**		--	
	MW-46-060519	6/5/2019	µg/L	**1,300**		10	U	**19.5**		**400**		10	U[b]	**278**		50	U[b]	--	
	MW-46-071719	7/17/2019	µg/L	**976**		1	U	**29.1**		**237**		1	U	**198**		**15.5**		--	
	MW-46-082119	8/21/2019	µg/L	**874**		25	U	25	U	**226**		25	U[b]	**191**		125	U[b]	--	
	MW-46-091719	9/17/2019	µg/L	**705**		25	U	**26.1**		**150**		25	U[b]	**175**		125	U[b]	--	
	MW-46-110719	11/7/2019	µg/L	**136**		5	U	5	U	**18.8**		5	U	**158**		25	U	--	
	MW-46-122019	12/20/2019	µg/L	**7.14**		1	U	1	U	3	U	1	U	**121**		5	U	--	
MW-47	MW-47-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-47-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-48B	MW-48B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**2.92**		5	U	--	
	MW-48B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.97**		5	U	--	
	MW-48B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.12**		5	U	--	
	MW-48B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.80**		5	U	--	
	MW-48B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.56**		5	U	--	

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"

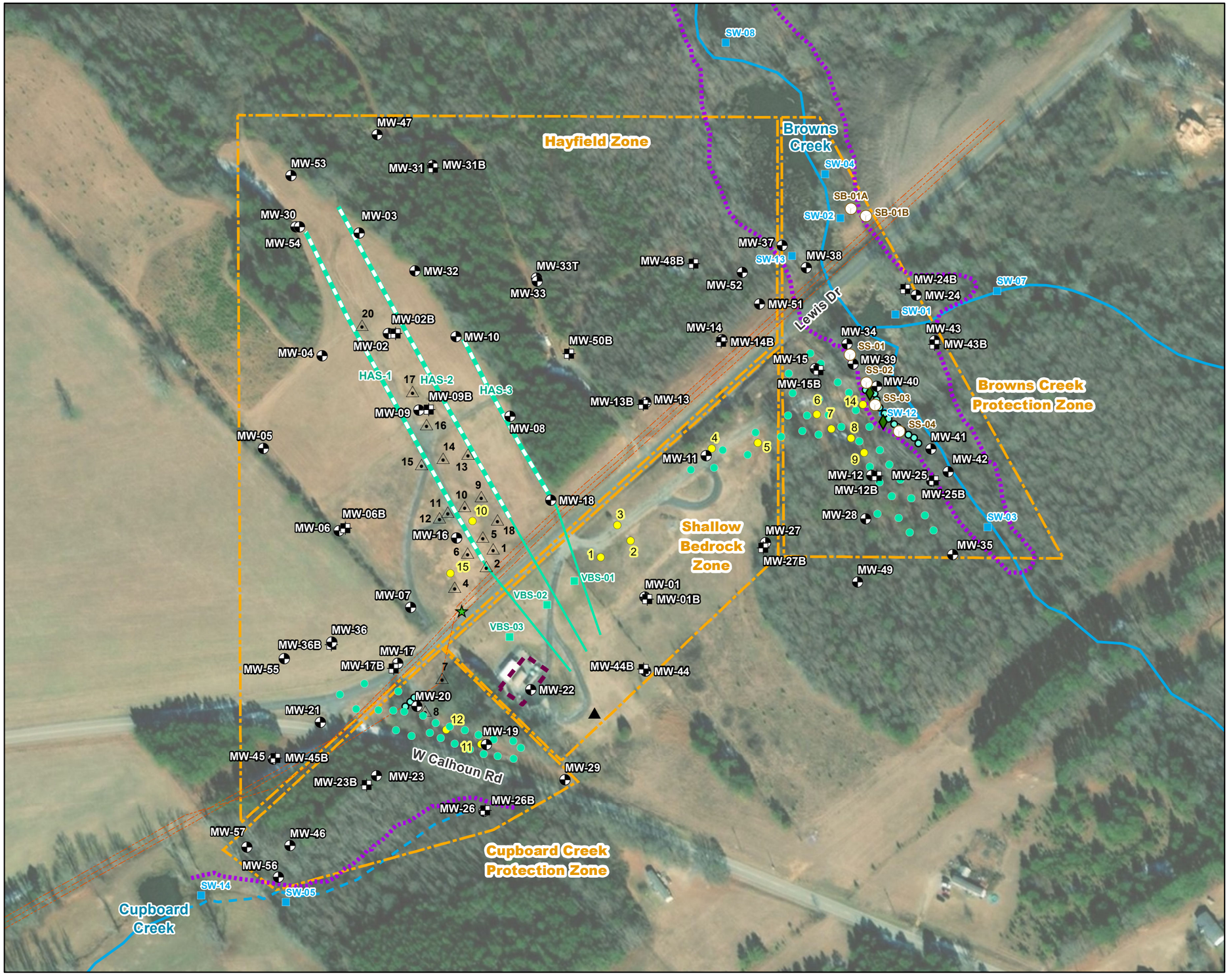
Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-48B	MW-48B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.64**		5	U	--	
	MW-48B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.45**		5	U	--	
	MW-48B-091819	9/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.14**		5	U	--	
	MW-48B-121819	12/18/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-49	MW-49-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-091719	9/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-49-121719	12/17/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-50B	MW-50B-120617	12/6/2017	µg/L	**1.37**		1	U	1	U	3	U	1	U	**35.5**		5	U	--	
	MW-50B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**26.7**		5	U	--	
	MW-50B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**21.8**		5	U	--	
	MW-50B-091218	9/12/2018	µg/L	**150**		**1.20**		**57.9**		**47.8**		1	U	**87.9**		5	U	--	
	MW-50B-120618	12/6/2018	µg/L	**27.4**		1	U	**3.21**		3	U	1	U	**40.6**		5	U	--	
	MW-50B-030619	3/6/2019	µg/L	**1.18**		1	U	1	U	3	U	1	U	**43.9**		5	U	--	
	MW-50B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**44.1**		5	U	--	
	MW-50B-091819	9/18/2019	µg/L	**25.6**		1	U	**1.20**		3	U	1	U	**43.1**		5	U	--	
	MW-50B-121819	12/18/2019	µg/L	**2.30**		1	U	1	U	3	U	1	U	**32.4**		5	U	--	
MW-51	MW-51-100518	10/5/2018	µg/L	1	U	1	U	**1.88**		3	U	1	U	1	U	5	U	--	
	MW-51-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-51-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**3.57**		5	U	--	
MW-52	MW-52-100518	10/5/2018	µg/L	1	U	1	U	**1.25**		3	U	1	U	**3.12**		5	U	--	
	MW-52-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-52-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.32**		5	U	--	
	MW-52-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-52-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**2.01**		5	U	--	
	MW-52-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-53	MW-53-100518	10/5/2018	µg/L	1	U	1	U	**5.43**		3	U	1	U	1	U	5	U	--	
	MW-53-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-53-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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"

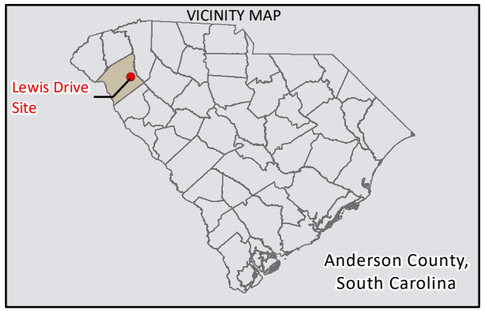
Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
MW-54	MW-54-100518	10/5/2018	µg/L	1	U	1	U	**1.72**		3	U	1	U	**1.35**		5	U	--	
	MW-54-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-030719	3/7/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-54-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-55	MW-55-040919	4/9/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-081919	8/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-55-110419	11/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-56	MW-56-040919	4/9/2019	µg/L	**209**		1	U	**2.57**		**93.9**		1	U	**79.9**		5	U	--	
	MW-56-051519	5/15/2019	µg/L	**299**		1	U	**4.11**		**119**		1	U	**86.2**		**5.33**		--	
	MW-56-071719	7/17/2019	µg/L	**549**		1	U	**8.90**		**205**		1	U	**146**		**8.18**		--	
	MW-56-082119	8/21/2019	µg/L	**391**		10	U	10	U	**91.1**		10	U[b]	**134**		50	U[b]	--	
MW-56	MW-56-091719	9/17/2019	µg/L	**30.1**		1	U	1	U	**8.51**		1	U	**137**		5	U	--	
	MW-56-110519	11/5/2019	µg/L	**5.55**		1	U	1	U	3	U	1	U	**168**		5	U	--	
	MW-56-121719	12/17/2019	µg/L	**84.3**		1	U	**1.13**		**33.6**		1	U	**141**		5	U	--	
MW-57	MW-57-040919	4/9/2019	µg/L	**1,340**		**2.81**		**42.0**		**406**		1	U	**198**		**20.5**		--	
	MW-57-051519	5/15/2019	µg/L	**535**		**1.36**		**11.1**		**178**		1	U	**169**		**8.65**		--	
	MW-57-071719	7/17/2019	µg/L	**1,330**		**3.63**		**22.9**		**341**		1	U	**186**		**19.8**		--	
	MW-57-082119	8/21/2019	µg/L	**584**		10	U	10	U	**76.2**		10	U[b]	**183**		50	U[b]	--	
	MW-57-091719	9/17/2019	µg/L	**71.8**		10	U	10	U	30	U	10	U[b]	**74.6**		50	U[b]	--	
	MW-57-110519	11/5/2019	µg/L	**514**		1	U	**11.2**		**83.5**		1	U	**193**		5	U	--	
	MW-57-121719	12/17/2019	µg/L	**154**		1	U	**1.85**		**11.5**		1	U	**108**		5	U	--	

Notes:
[a] RBSL = Risk-based screening levels identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan, Revision 3.1, Table D1 "RBSLs for Groundwater", Febraury 2016
[b] The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit can not be determined.
Samples analyzed by EPA Methods SW 8260B and 8011
Bold indicates the analyte was detected above the method detection limit.
Gray shading indicates the analyte exceeded RBSLs.
µg/L = microgram(s) per liter
1,2-DCA = 1,2-dichloroethane
EDB = 1,2-dibromoethane
ID = identification
MTBE = methyl tertiary butyl ether
MW = monitoring well
NS-FP = sample not collected due to the presence of free product in the well
NS-HS = sample not collected due to health and safety concerns
NS-IW = sample not collected due to insufficient volume of water in well
NS-OL = sample not collected because it was overlooked in the field
NS-SL = sample not analyzed due to sample being lost in transit to laboratory
NS-PS = sample not collected due to observation of product sheen in well
U = analyte was not detected above the reported sample quantitation limit

Figures



VICINITY MAP



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)

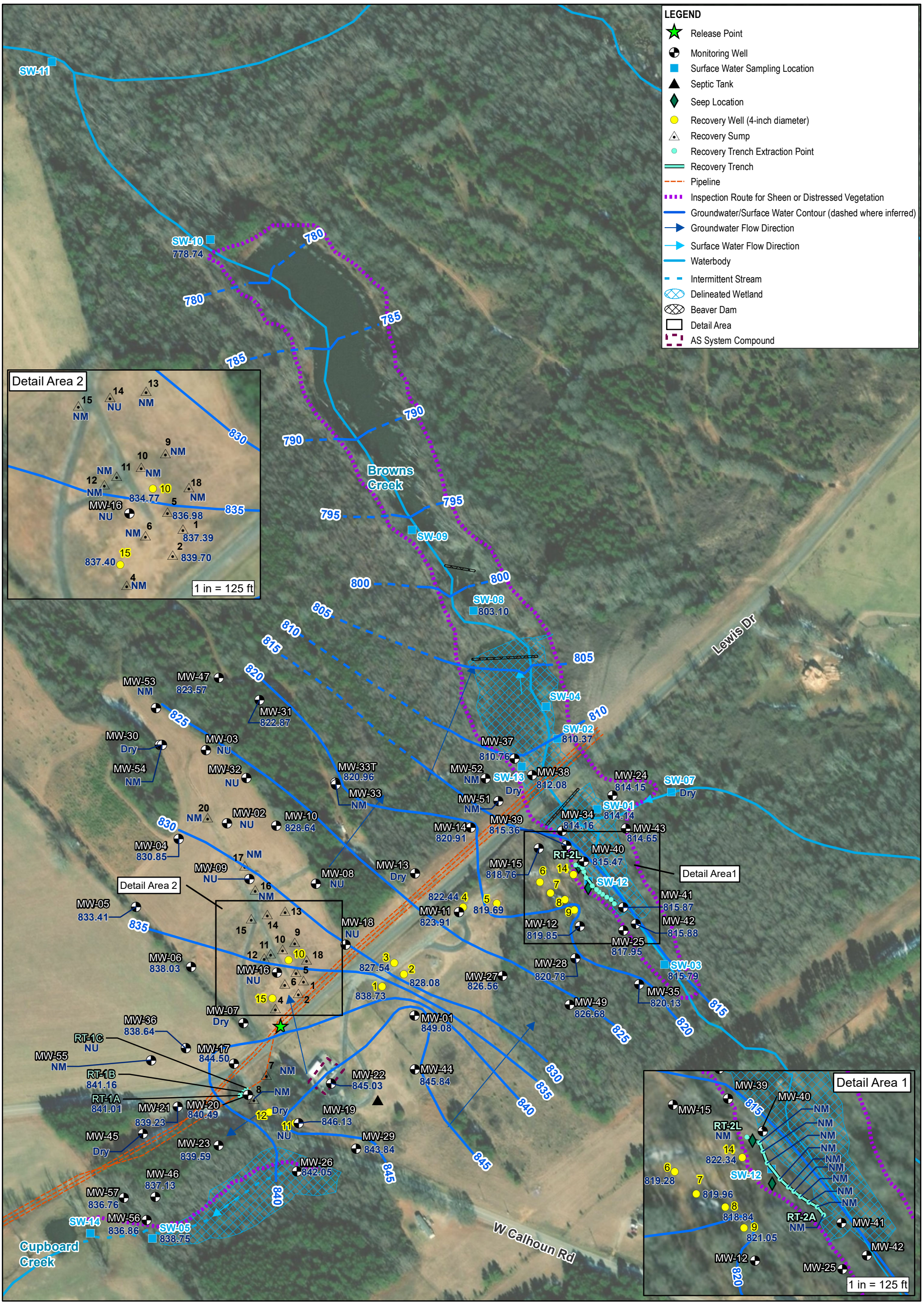
N

0 200 400

Scale in feet

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

JACOBS



845.84 Corrected Groundwater Elevation as of 12/16/2019 in feet above mean sea level

Dry Well was dry at time of gauging

NM Not measured during this sampling event

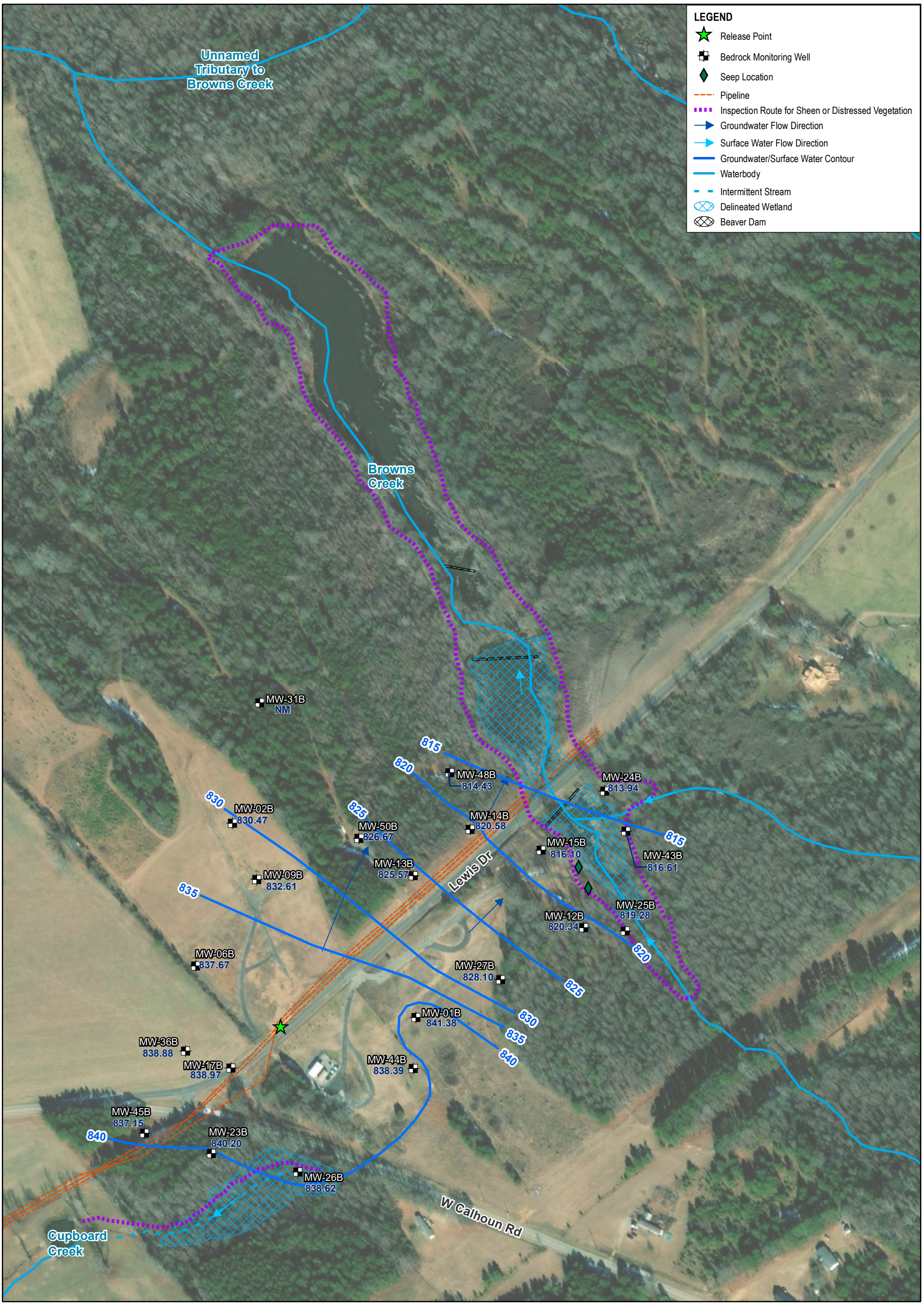
NU Not Used. The water level was not used for creation of the potentiometric surface map due to air sparge system influence at the well location.

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

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

JACOBS

\\brooksidefiles\GIS_SHARE\ENBG\00_Proj\K\KinderMorgan\654558LewisDr_ER\GIS\Maps\Quarterly_Reports\QR4_Jan2020\Figure2A_Residuum_GW_ElevationRD.mxd ag017958 3/13/2020



838.97 Corrected Groundwater Elevation as of 12/16/2019 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)

N

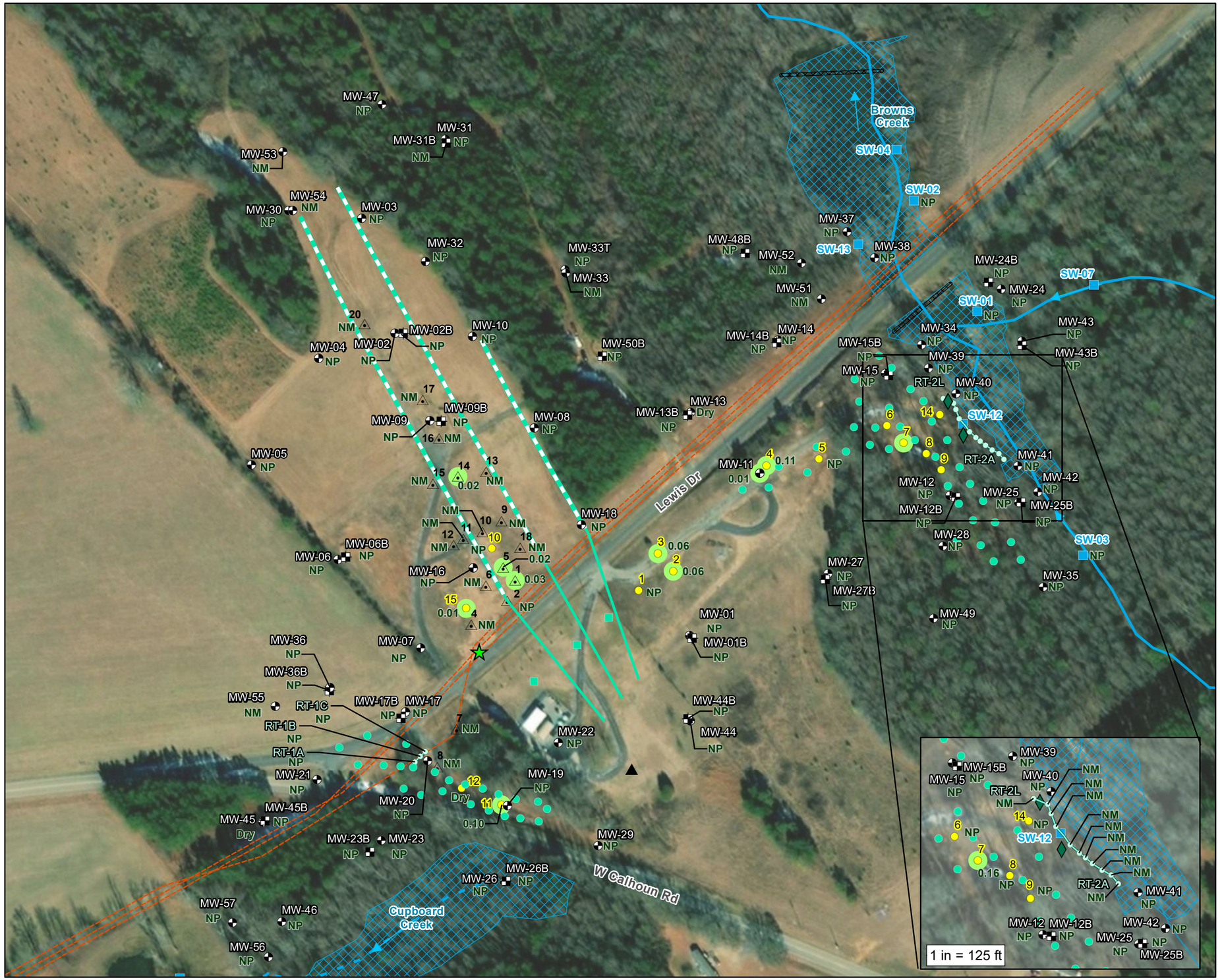
0 250 500

Scale in Feet

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

JACOBS

\\brooksidefiles\GIS_SHARE\ENBG\00_Proj\K\KinderMorgan\654558LewisDr_ER\GIS\Maps\Quarterly_Reports\QR4_Jan2020\Figure2B_Bedrock_GW_Elevation.mxd ag017958 3/13/2020



LEGEND

- Release Point
- Monitoring Well
- Bedrock Monitoring Well
- Seep Location
- Recovery Sump
- Recovery Well (4-inch diameter)
- Well Contains Product as of 12/16/19
- 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 12/16/2019

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)

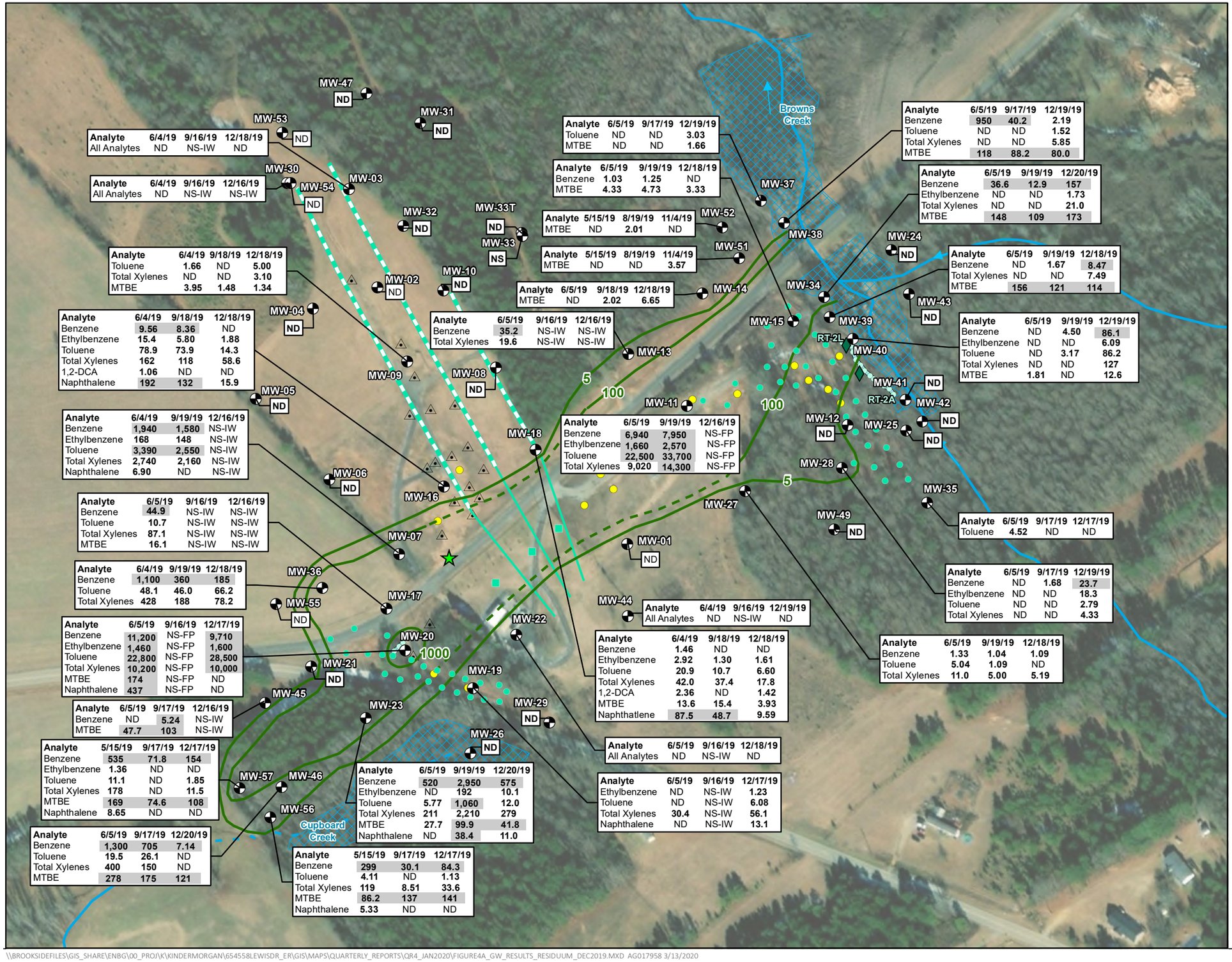
N

0 175 350

Scale in Feet

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

JACOBS



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-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)

N

0 200 400

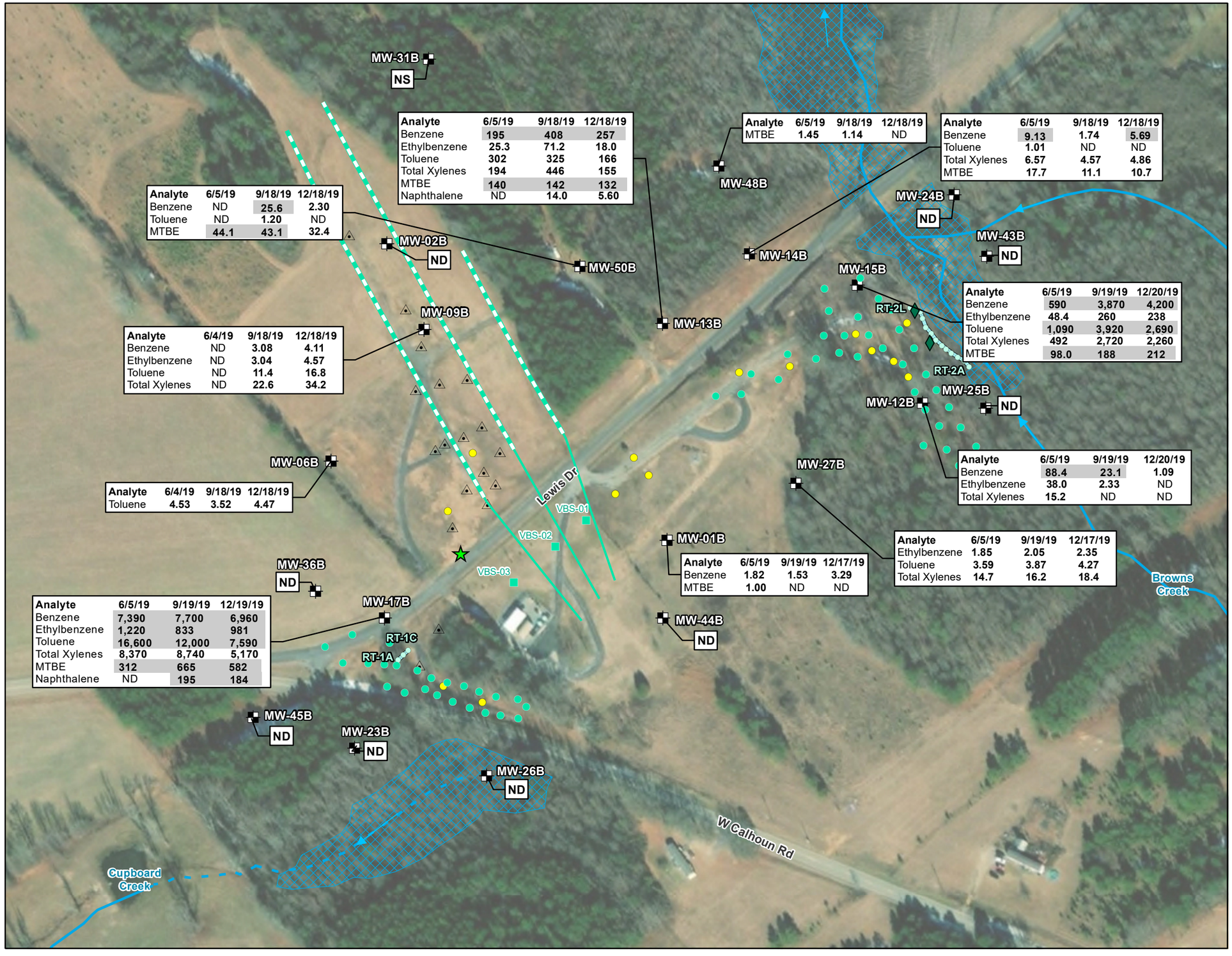
Approximate scale in feet

Figure 4A. Groundwater Analytical Results in Residuum Aquifer, May/June 2019, August/September 2019, and November/December 2019

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

JACOBS

\\BROOKSIDEFILES\GIS_SHARE\ENBG\00_PROJ\K\KINDERMORGAN\654558LEWISDR_ER\GIS\MAPS\QUARTERLY_REPORTS\QR4_JAN2020\FIGURE4A_GW_RESULTS_RESIDUUM_DEC2019.MXD AG017958 3/13/2020



Analyte	6/5/19	9/18/19	12/18/19
Benzene	195	408	257
Ethylbenzene	25.3	71.2	18.0
Toluene	302	325	166
Total Xylenes	194	446	155
MTBE	140	142	132
Naphthalene	ND	14.0	5.60

Analyte	6/5/19	9/18/19	12/18/19
MTBE	1.45	1.14	ND

Analyte	6/5/19	9/18/19	12/18/19
Benzene	9.13	1.74	5.69
Toluene	1.01	ND	ND
Total Xylenes	6.57	4.57	4.86
MTBE	17.7	11.1	10.7

Analyte	6/5/19	9/18/19	12/18/19
Benzene	ND	25.6	2.30
Toluene	ND	1.20	ND
MTBE	44.1	43.1	32.4

Analyte	6/5/19	9/19/19	12/20/19
Benzene	590	3,870	4,200
Ethylbenzene	48.4	260	238
Toluene	1,090	3,920	2,690
Total Xylenes	492	2,720	2,260
MTBE	98.0	188	212

Analyte	6/4/19	9/18/19	12/18/19
Benzene	ND	3.08	4.11
Ethylbenzene	ND	3.04	4.57
Toluene	ND	11.4	16.8
Total Xylenes	ND	22.6	34.2

Analyte	6/5/19	9/19/19	12/20/19
Benzene	88.4	23.1	1.09
Ethylbenzene	38.0	2.33	ND
Total Xylenes	15.2	ND	ND

Analyte	6/4/19	9/18/19	12/18/19
Toluene	4.53	3.52	4.47

Analyte	6/5/19	9/19/19	12/17/19
Ethylbenzene	1.85	2.05	2.35
Toluene	3.59	3.87	4.27
Total Xylenes	14.7	16.2	18.4

Analyte	6/5/19	9/19/19	12/17/19
Benzene	1.82	1.53	3.29
MTBE	1.00	ND	ND

Analyte	6/5/19	9/19/19	12/19/19
Benzene	7,390	7,700	6,960
Ethylbenzene	1,220	833	981
Toluene	16,600	12,000	7,590
Total Xylenes	8,370	8,740	5,170
MTBE	312	665	582
Naphthalene	ND	195	184

LEGEND

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

NOTES:
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.

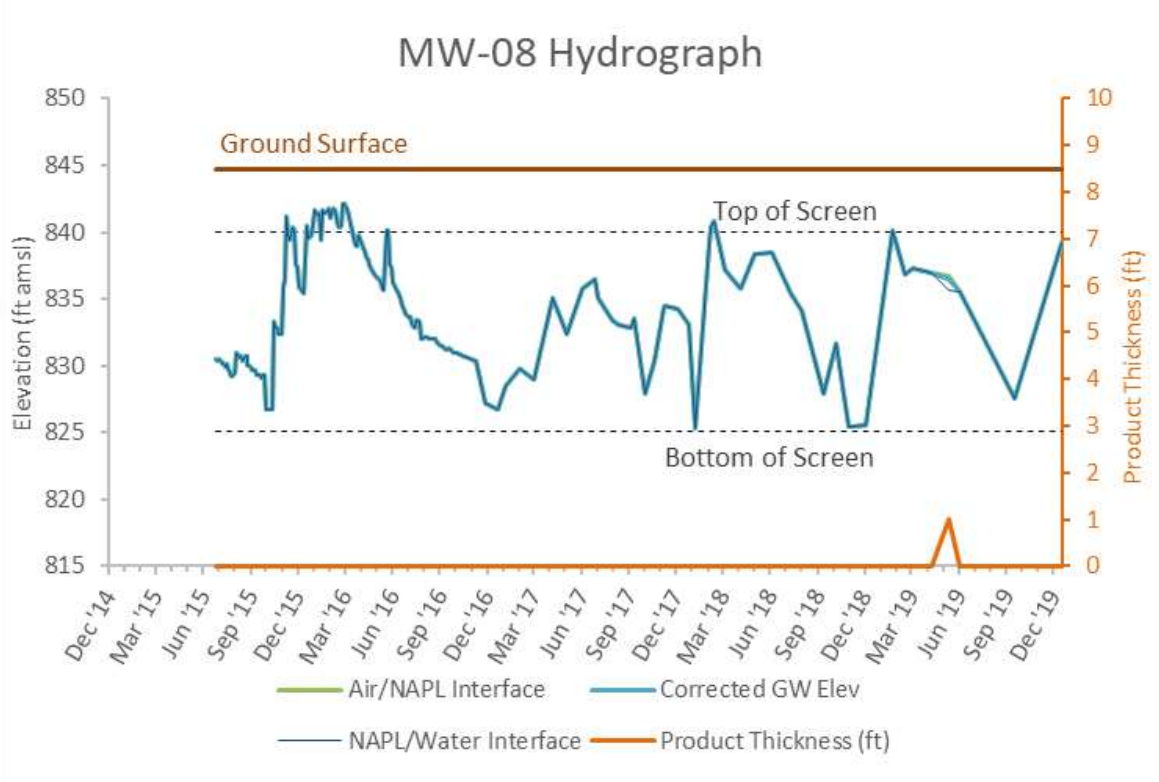
Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

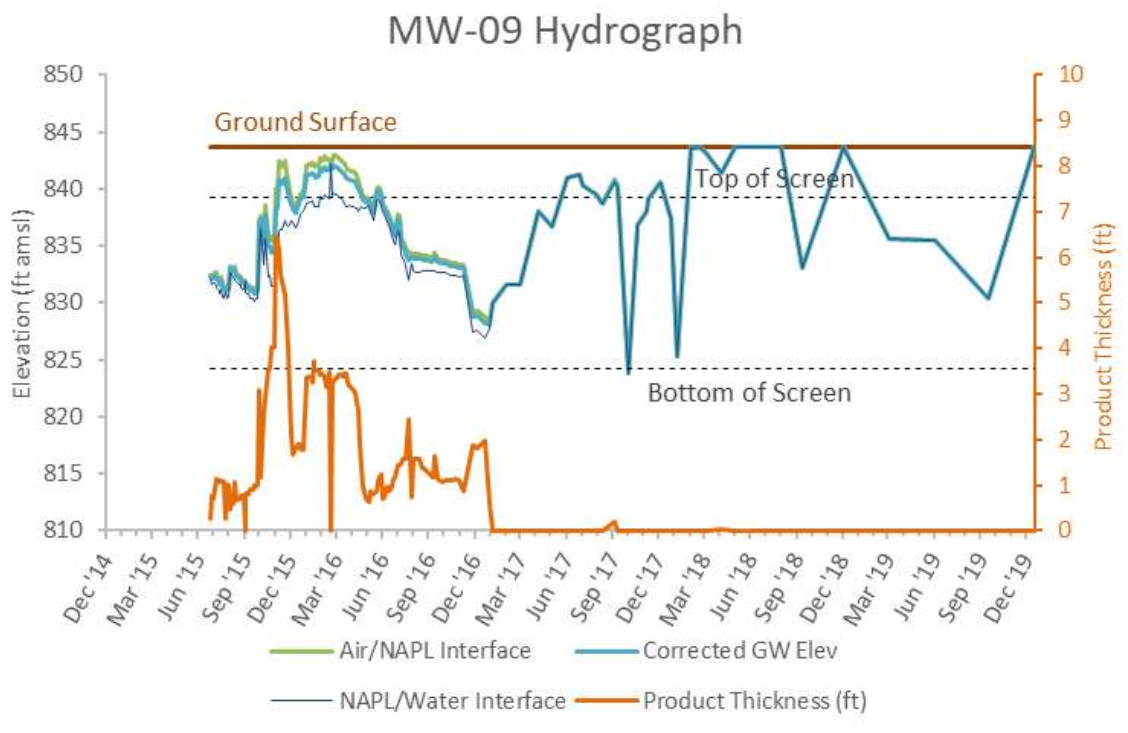
0 175 350
Approximate scale in feet

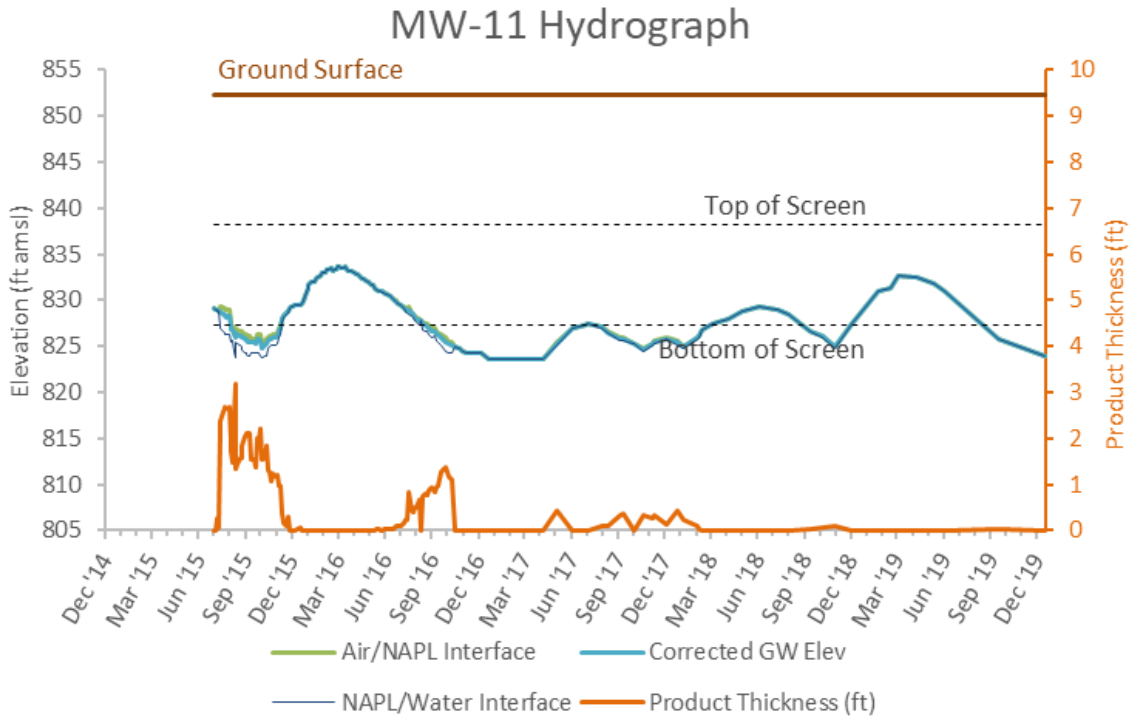
Figure 4B. Groundwater Analytical Results in Bedrock Aquifer, June 2019, September 2019, and December 2019
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

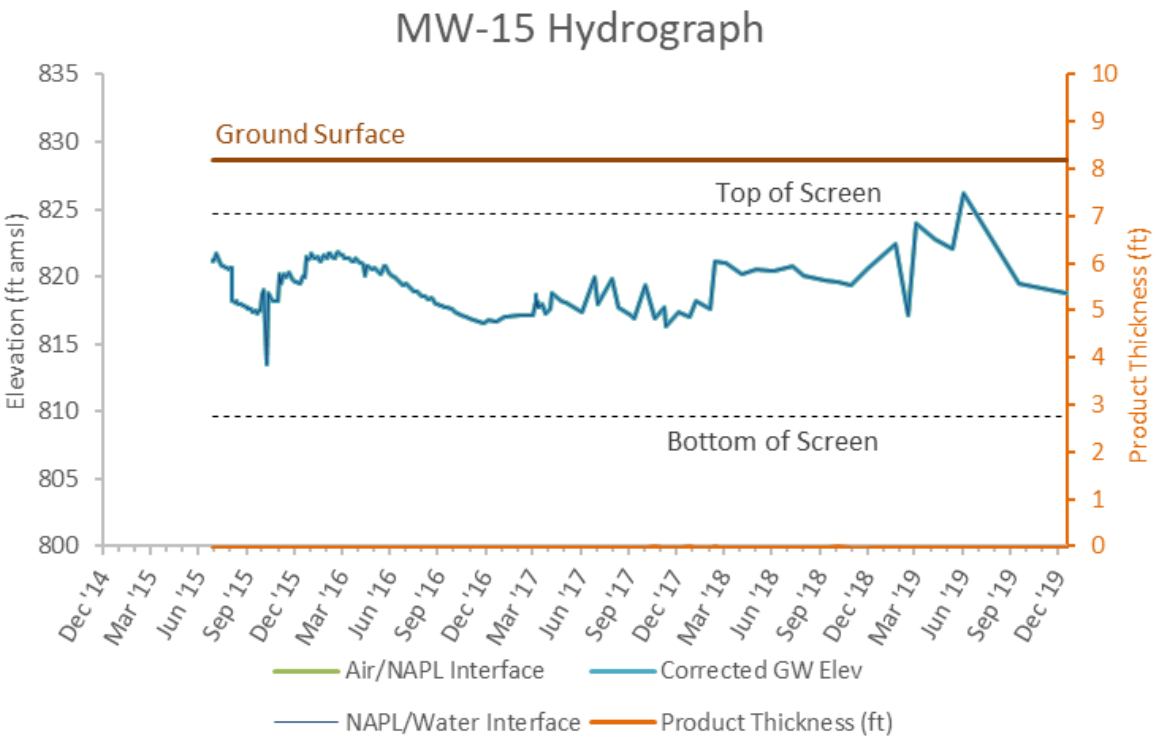
Attachment A
Product Thickness Trends

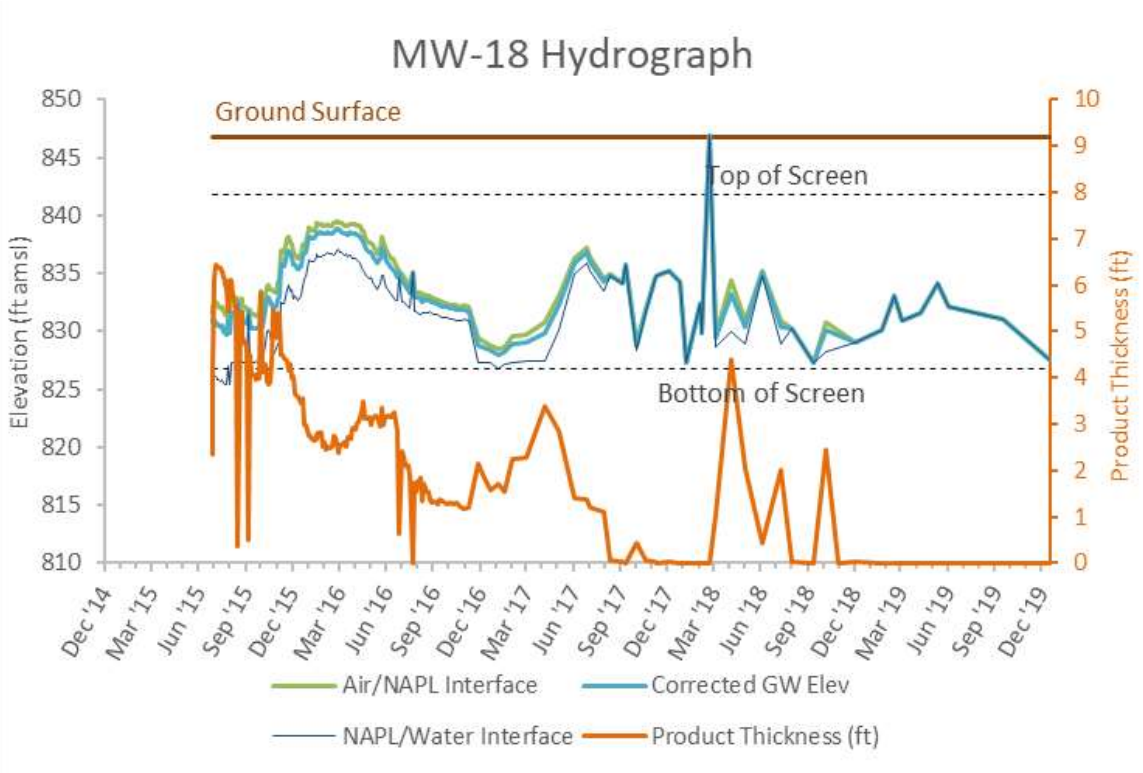
Attachment A – Product Thickness Trends

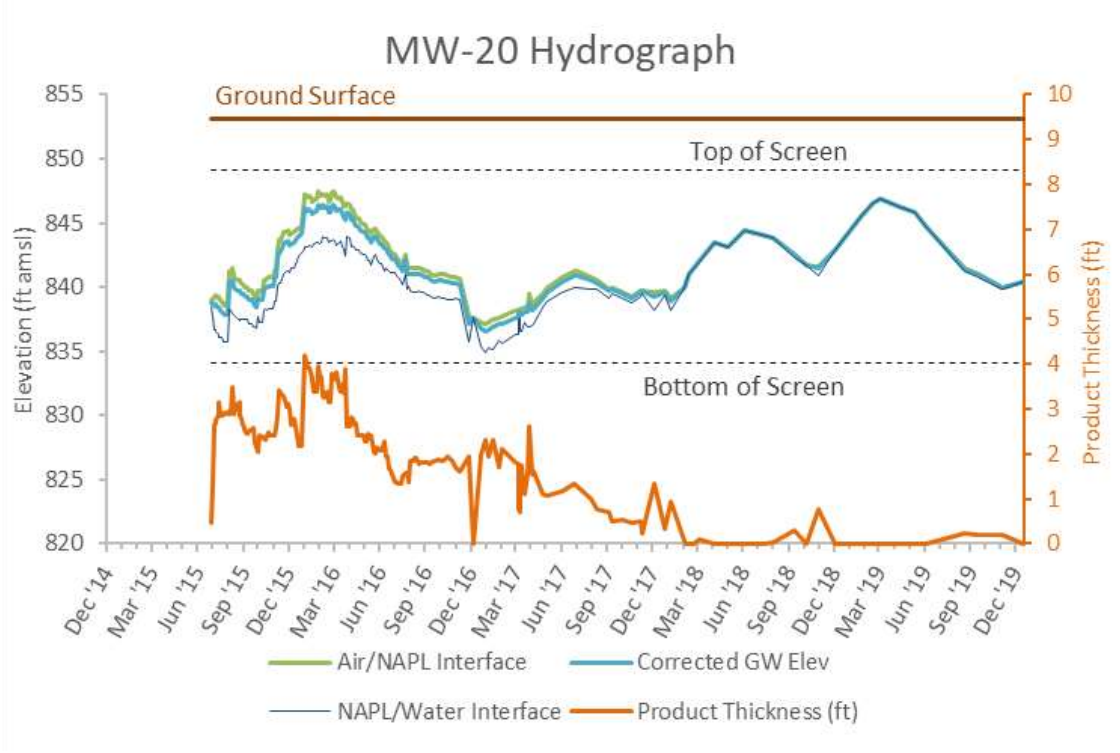


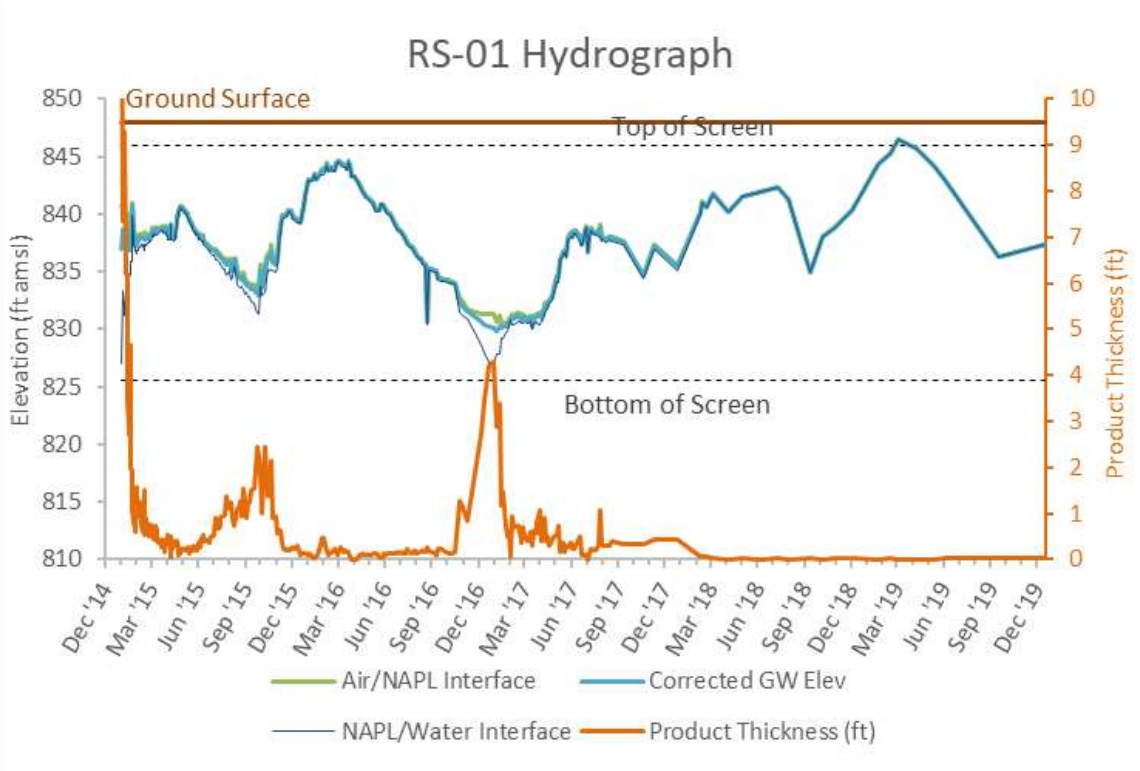


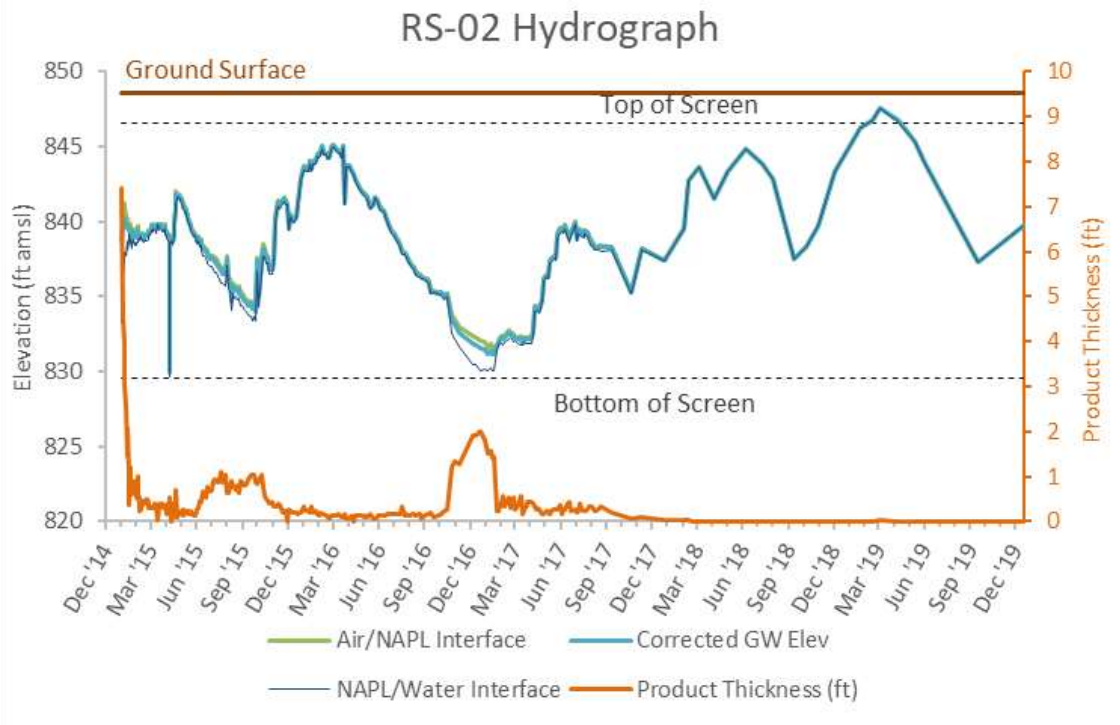

MW-11 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
815
810
805
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

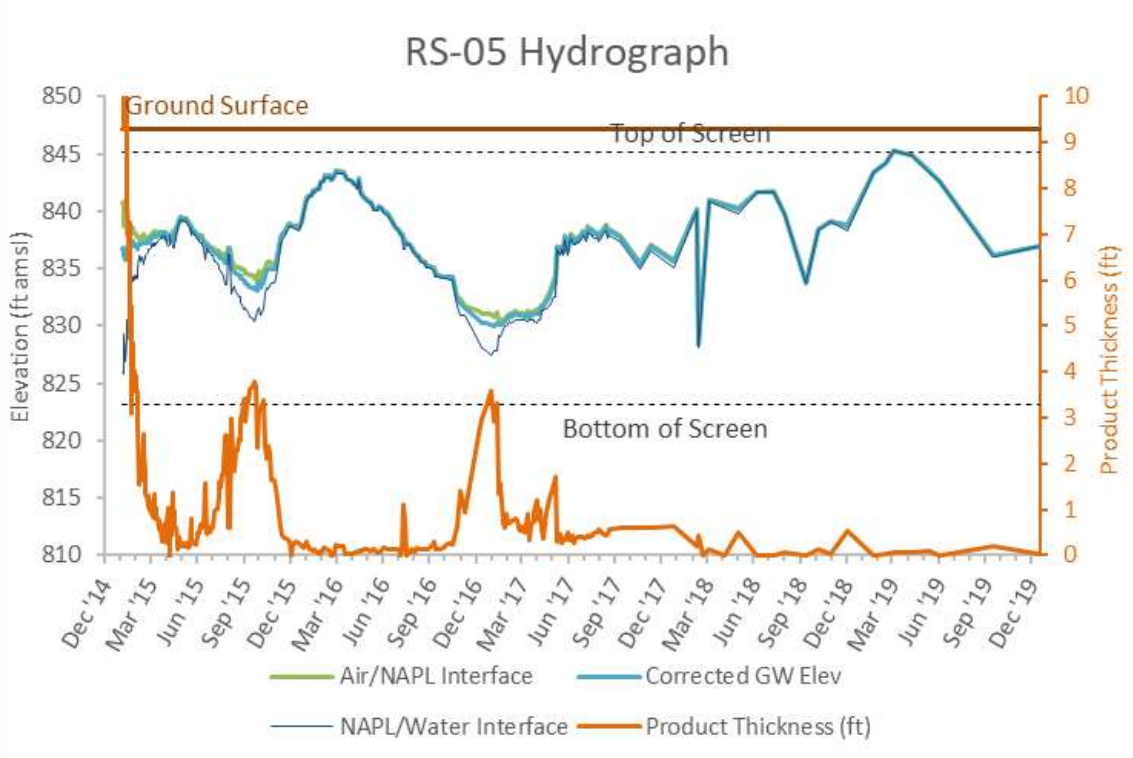

MW-15 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
835
830
825
820
815
810
805
800
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

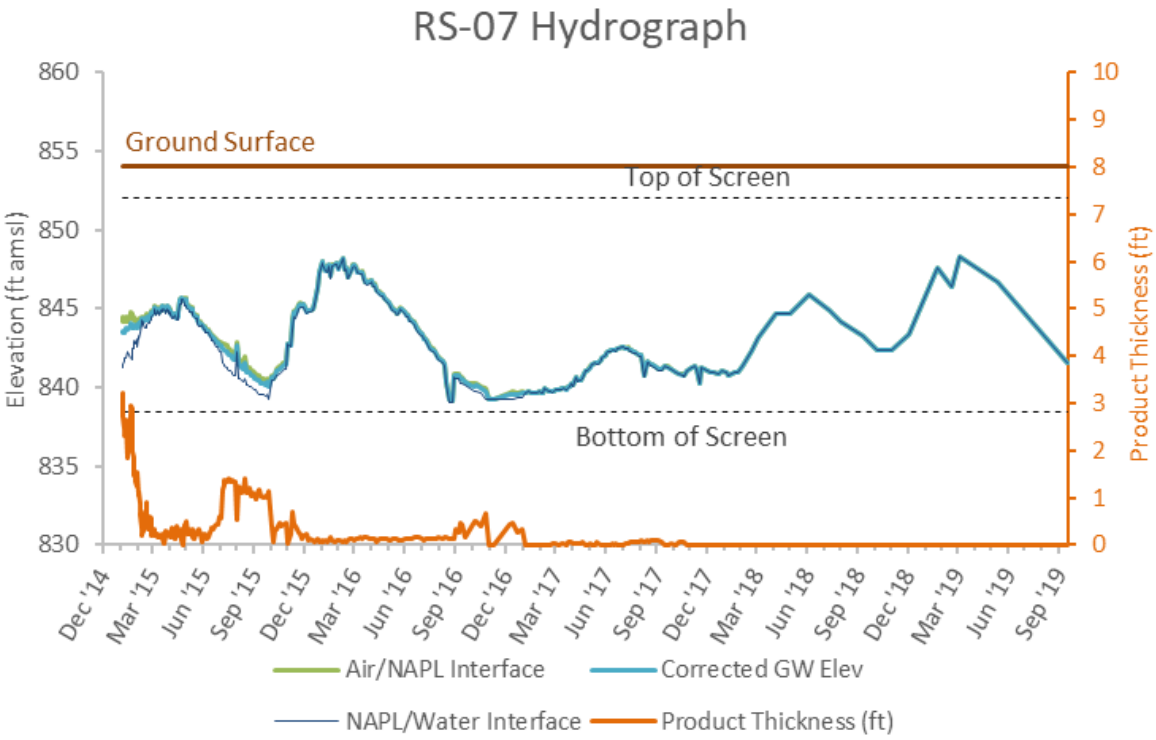

MW-18 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

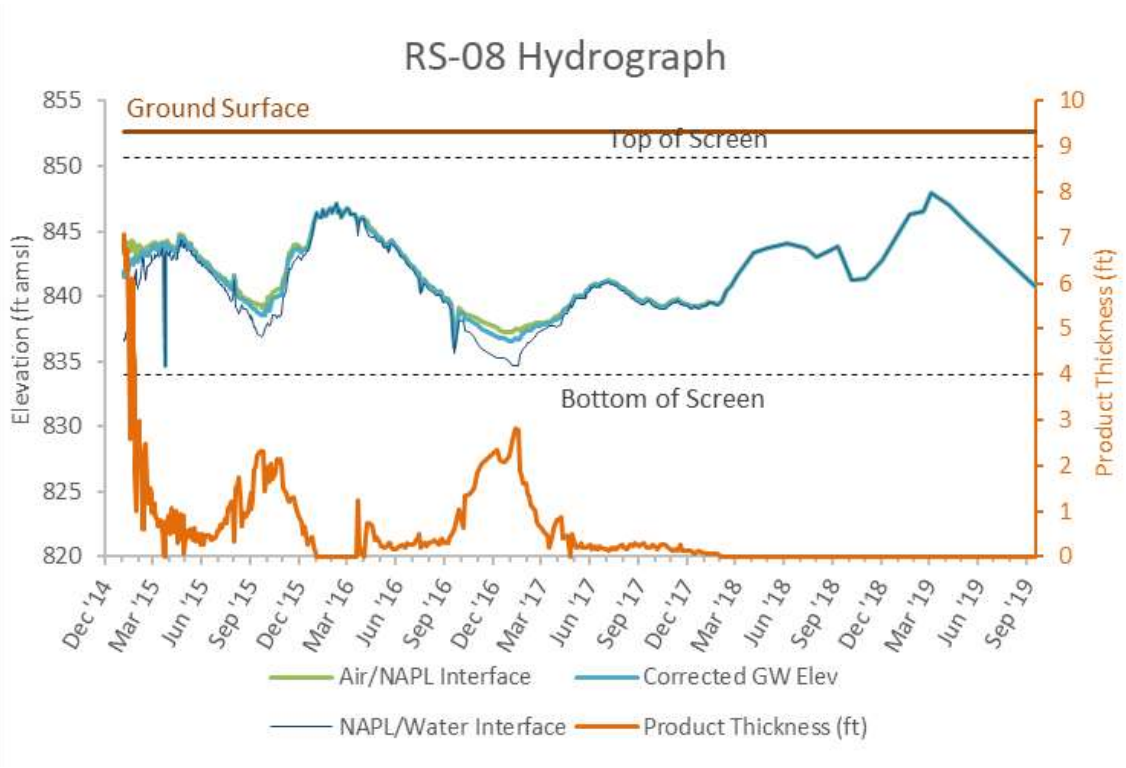

MW-20 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

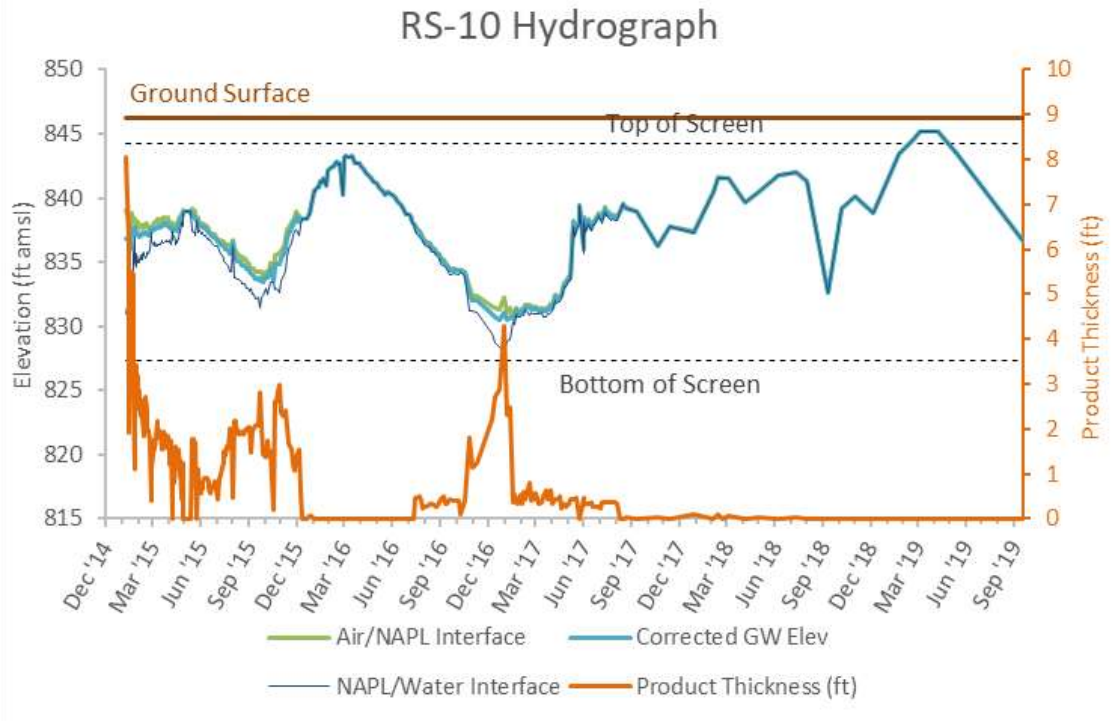

RS-01 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

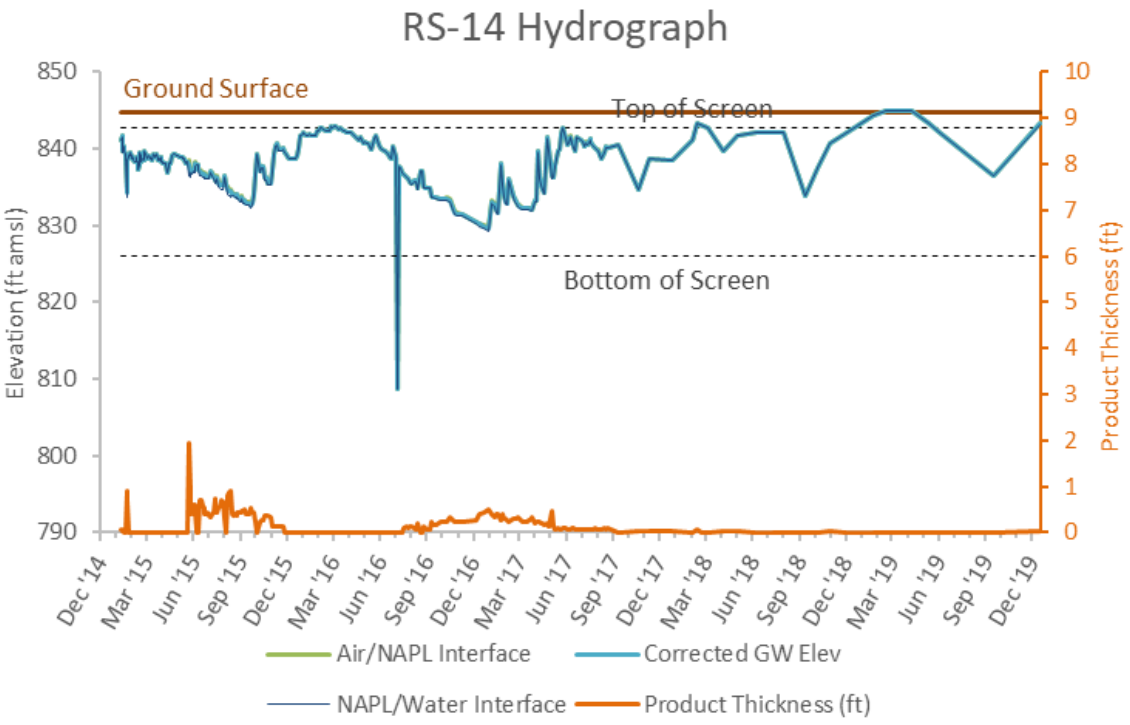

RS-02 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

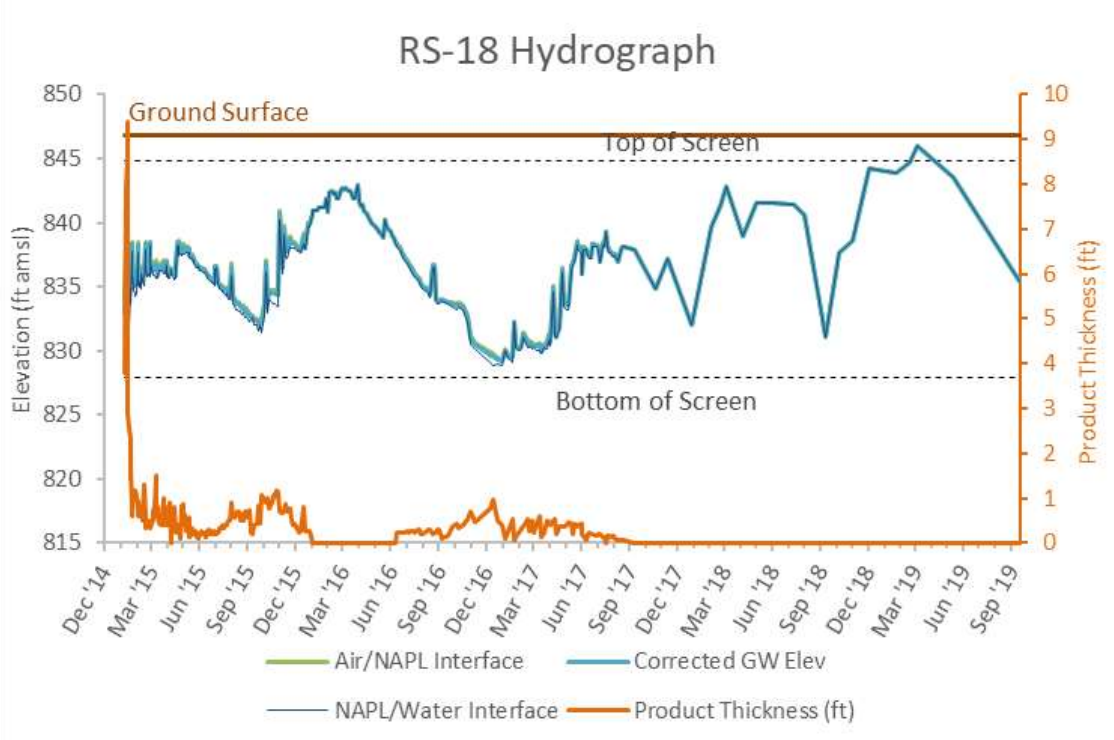

RS-05 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

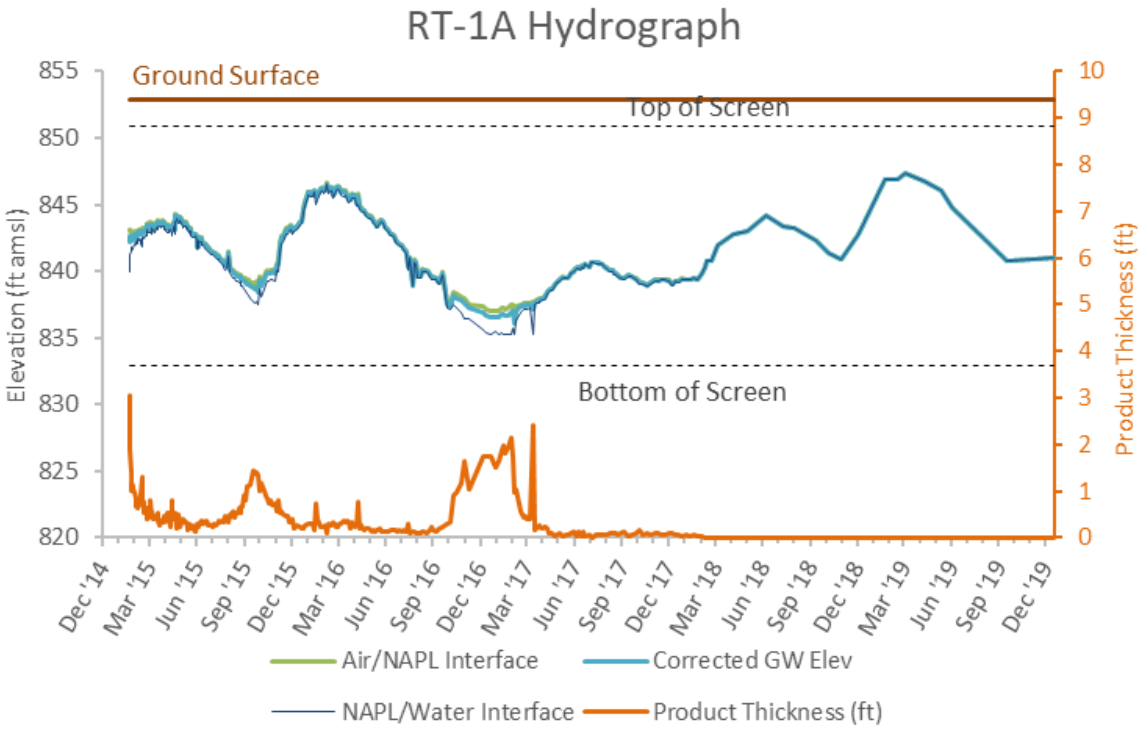

RS-07 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
855
850
845
840
835
830
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

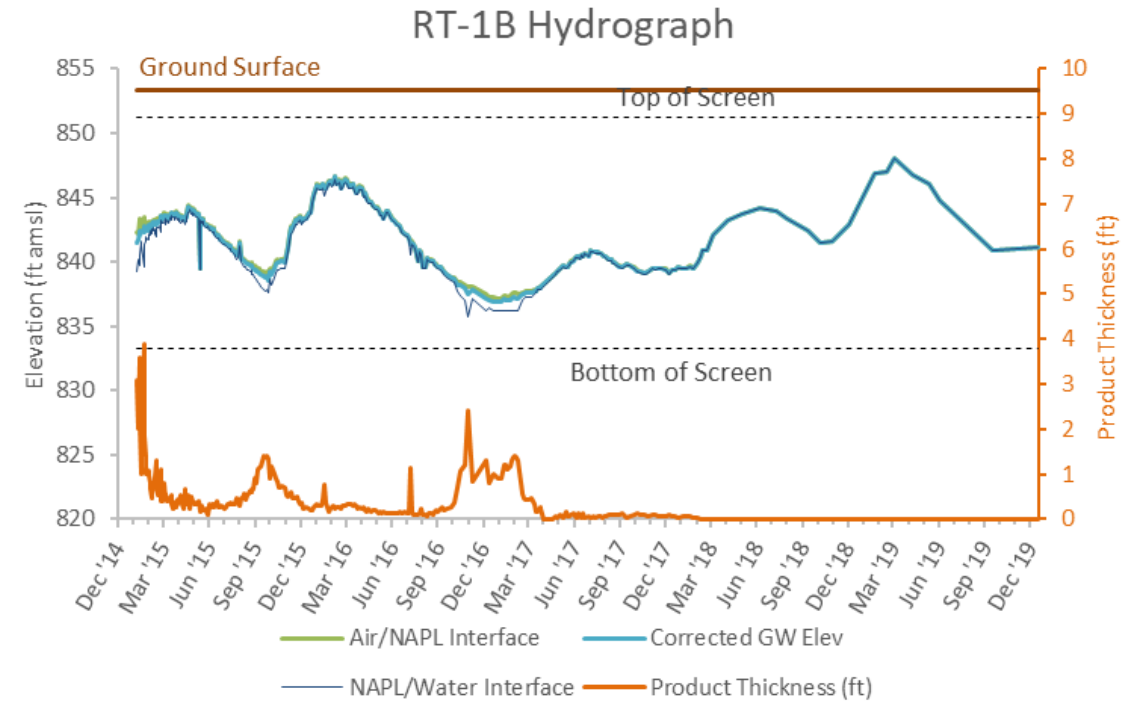

RS-08 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

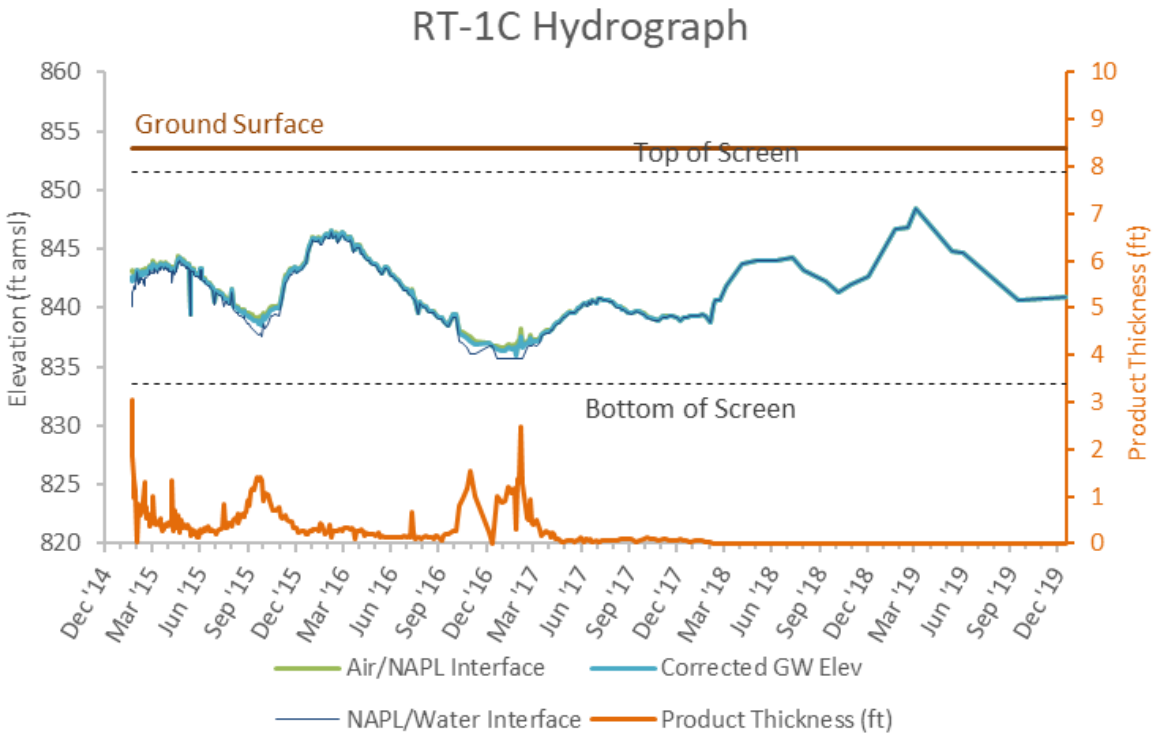

RS-10 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

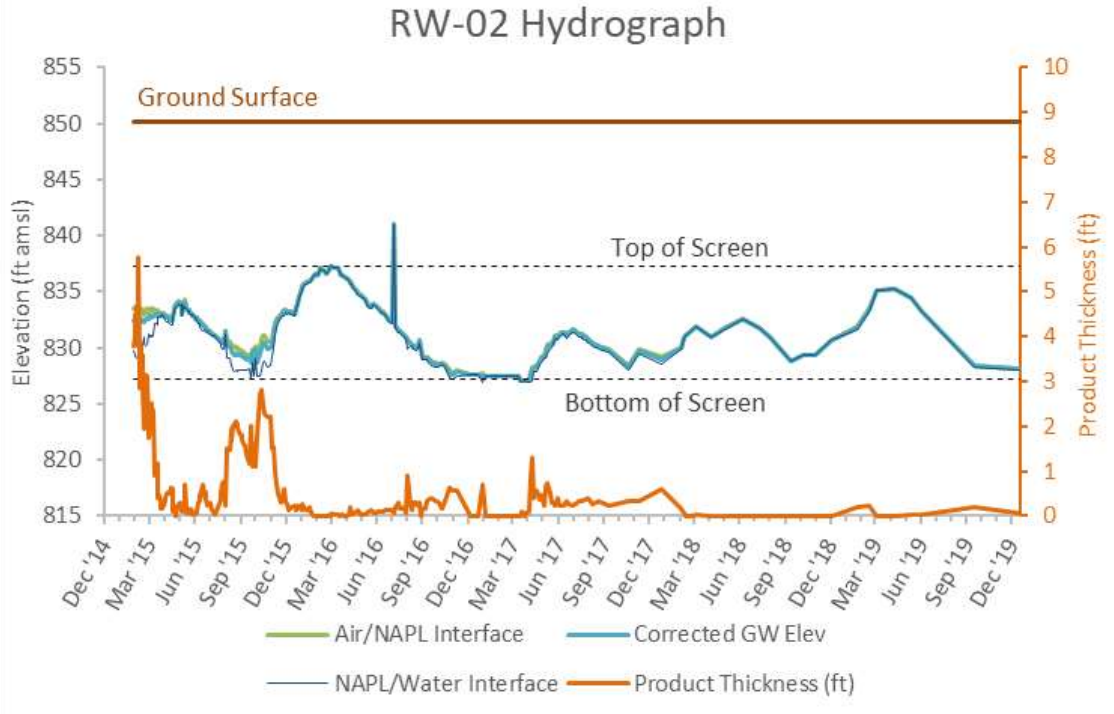

RS-14 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
840
830
820
810
800
790
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

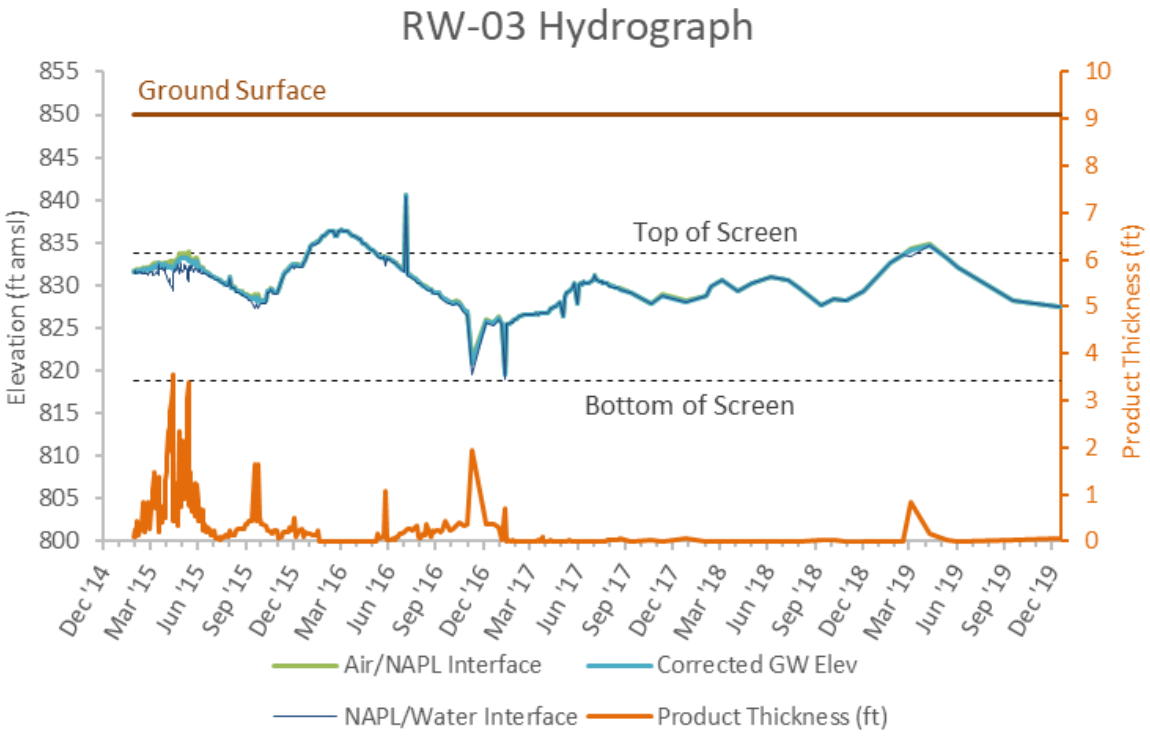

RS-18 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

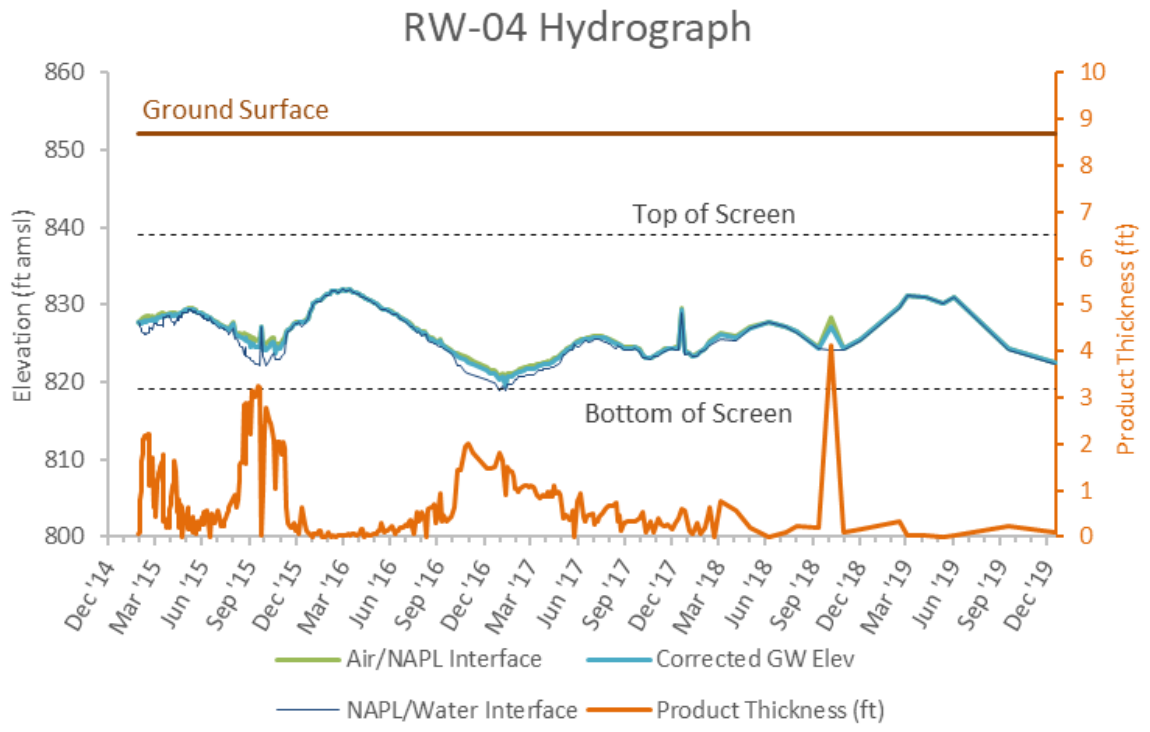

RT-1A Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

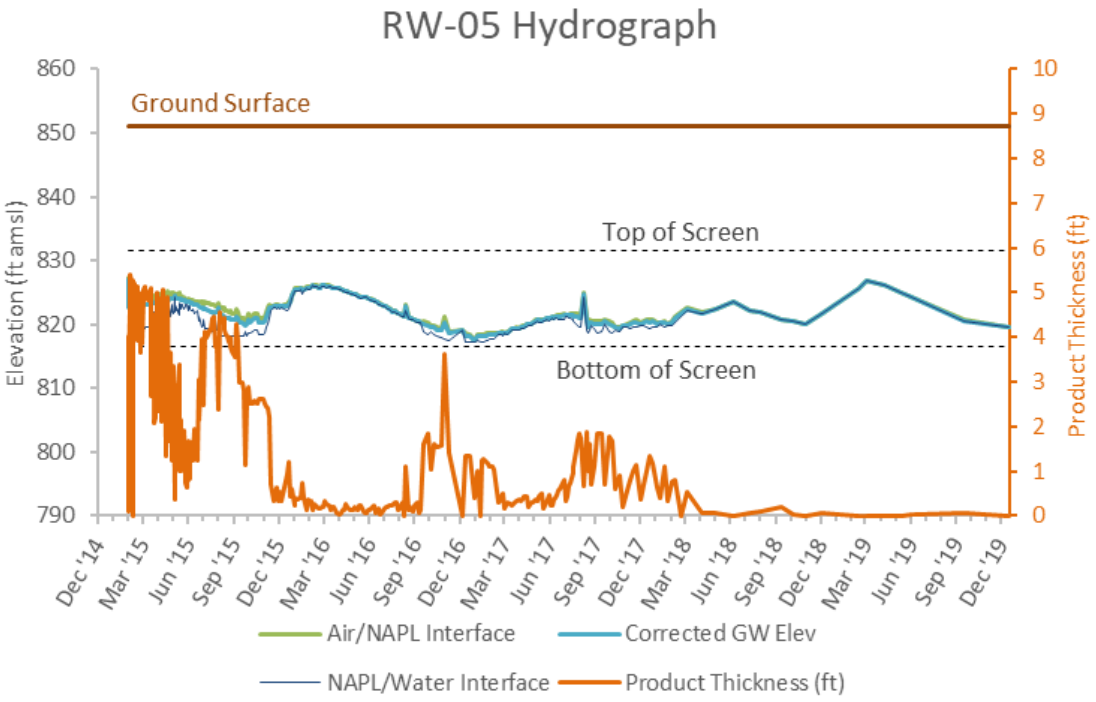

RT-1B Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

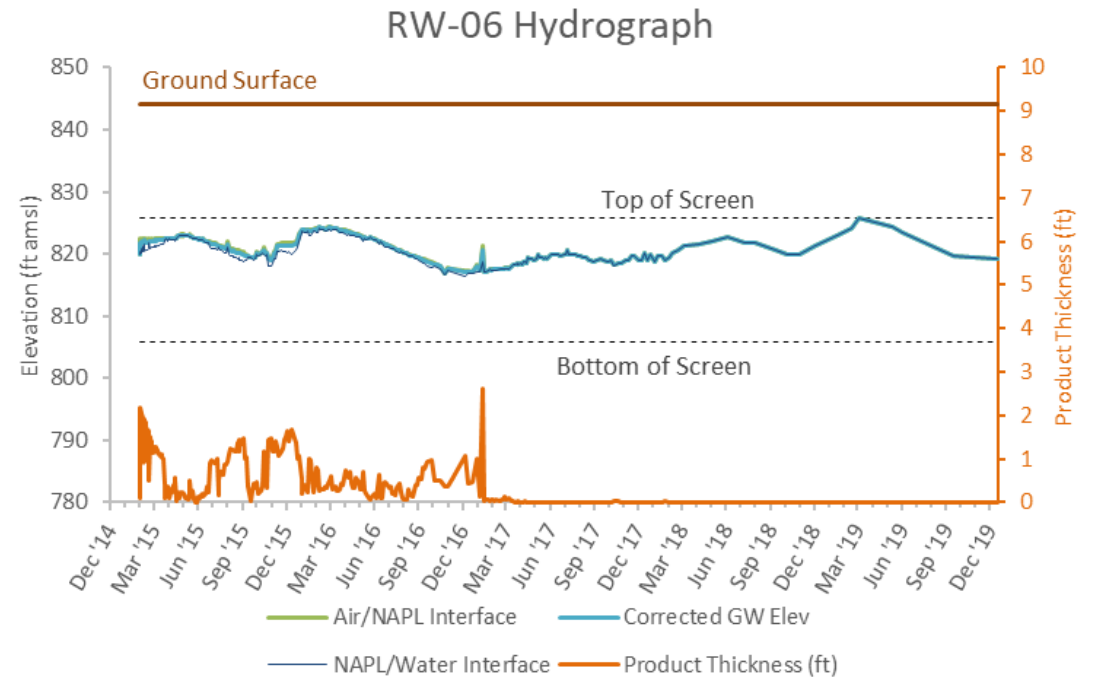

RT-1C Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

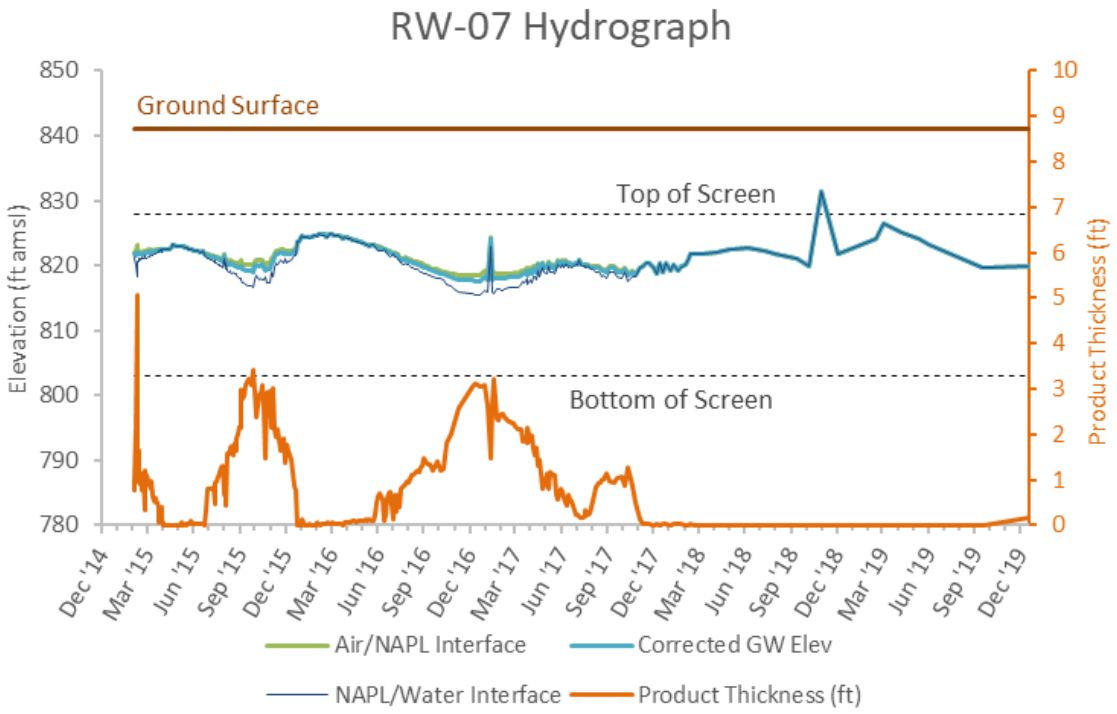

RW-02 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

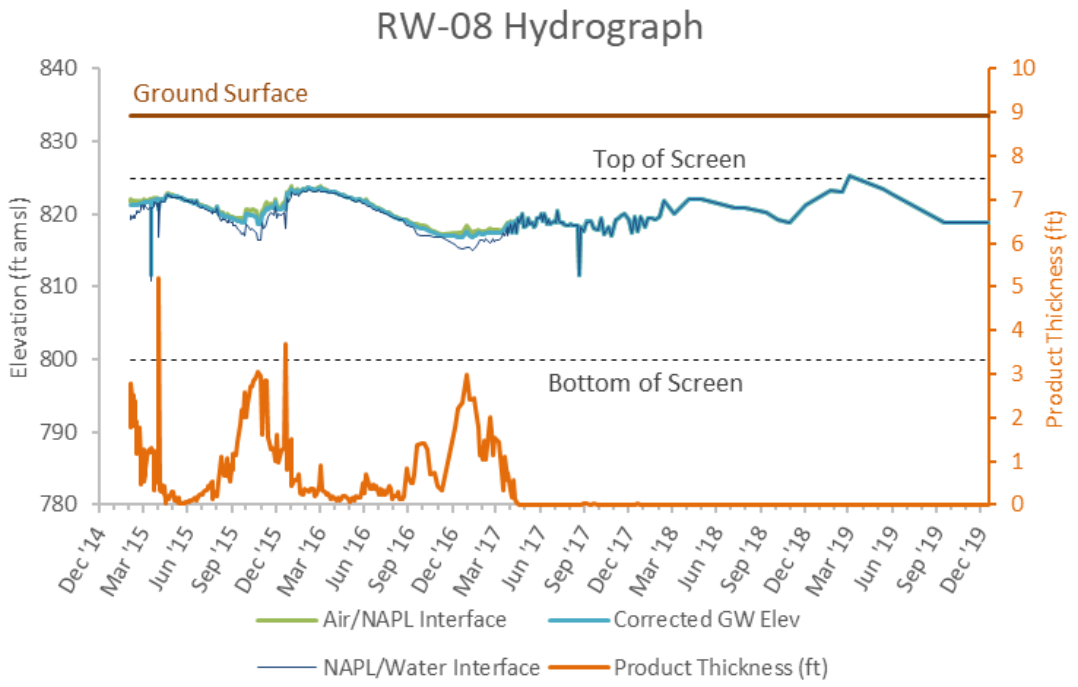

RW-03 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
815
810
805
800
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

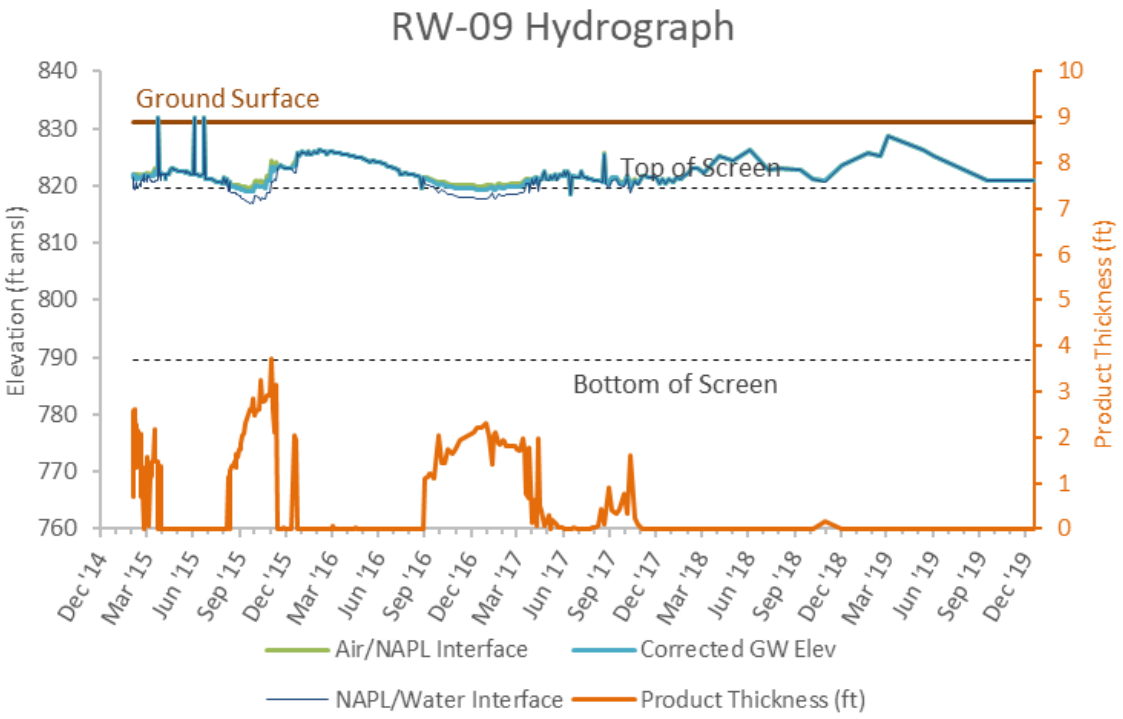

RW-04 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

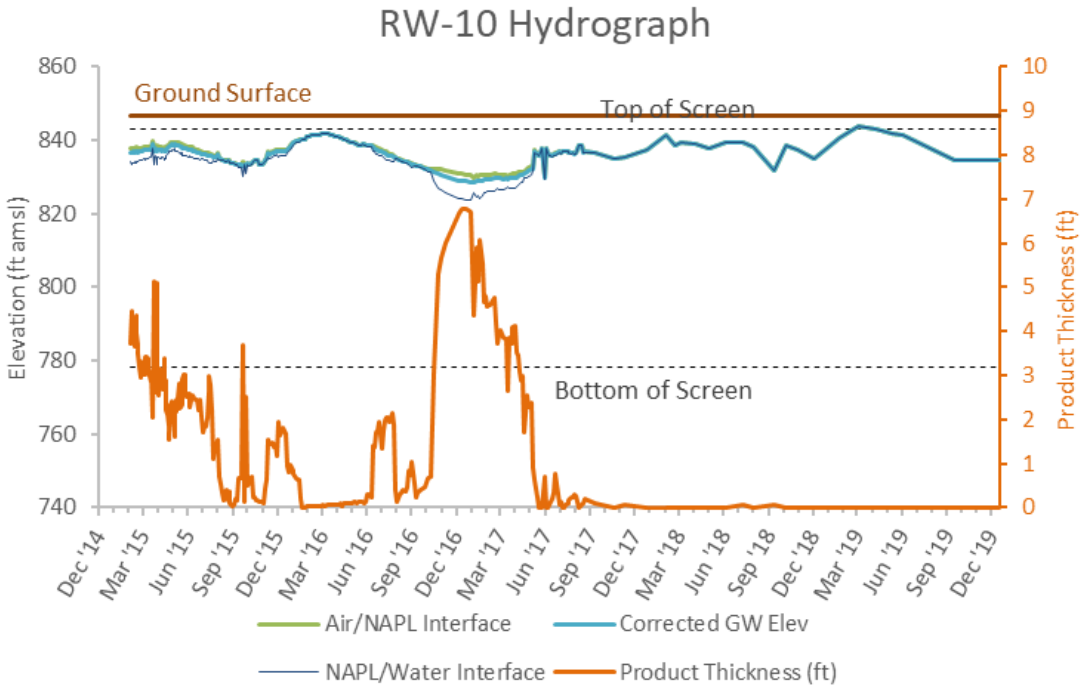

RW-05 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
790
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

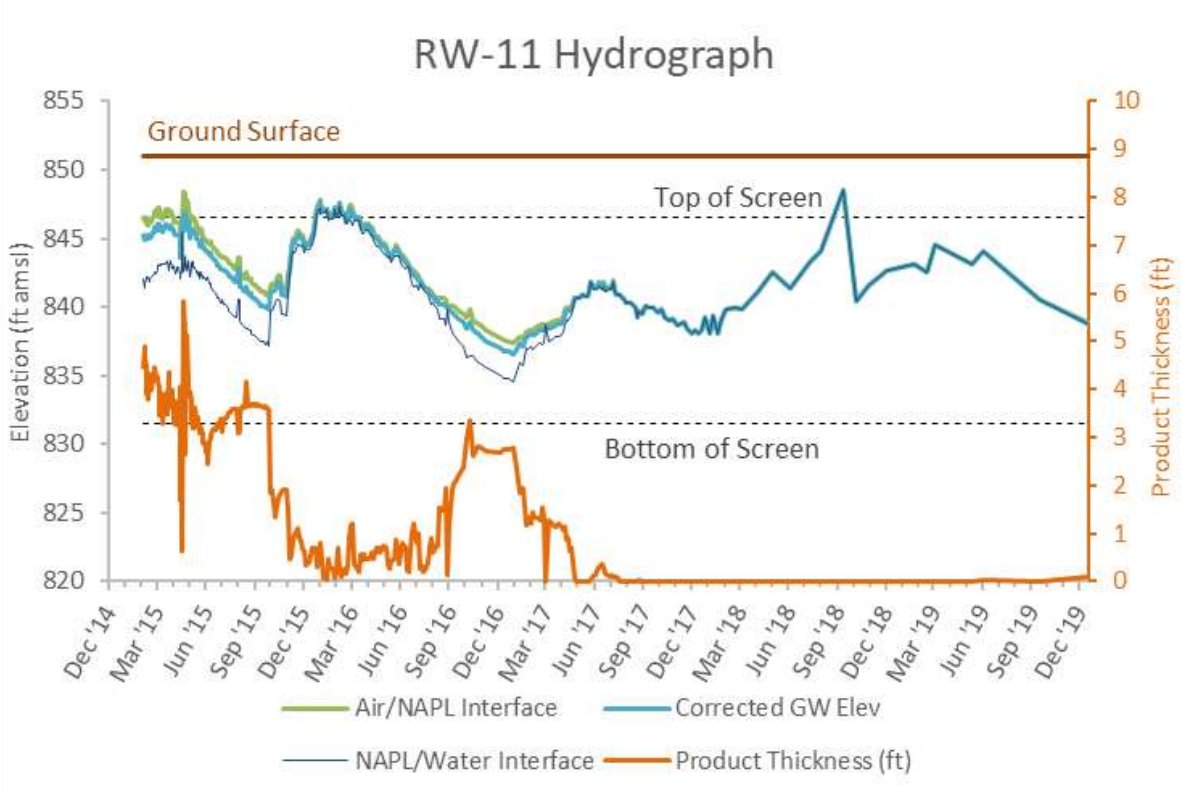

RW-06 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
840
830
820
810
800
790
780
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

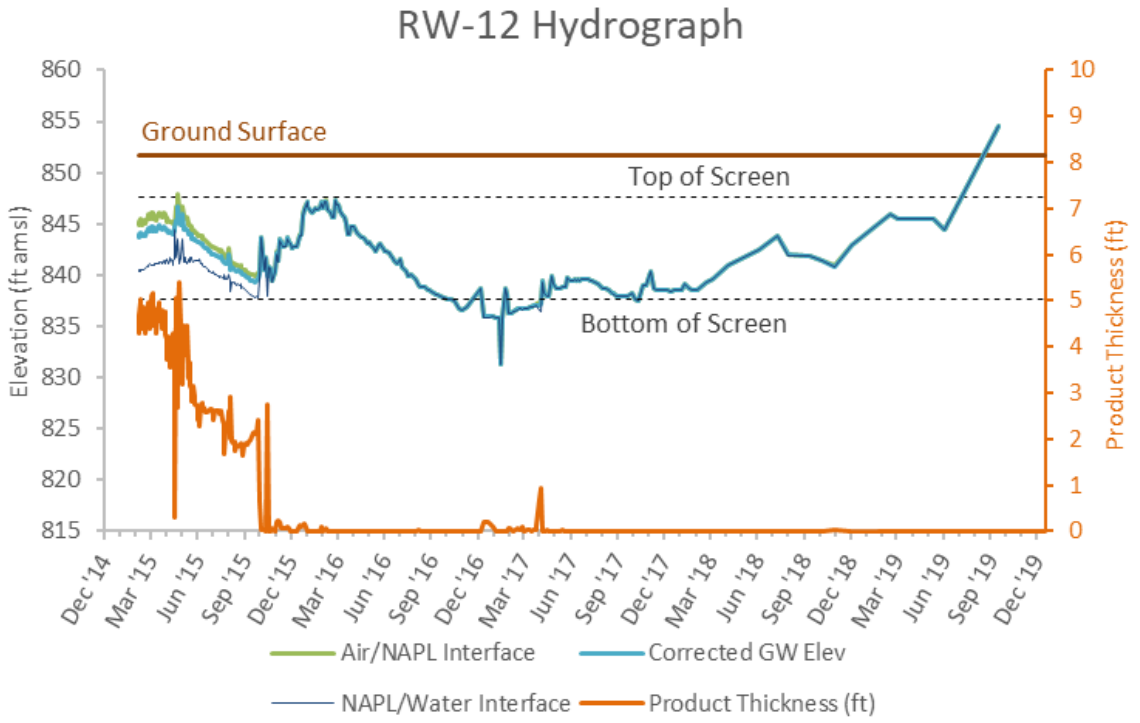

RW-07 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
840
830
820
810
800
790
780
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

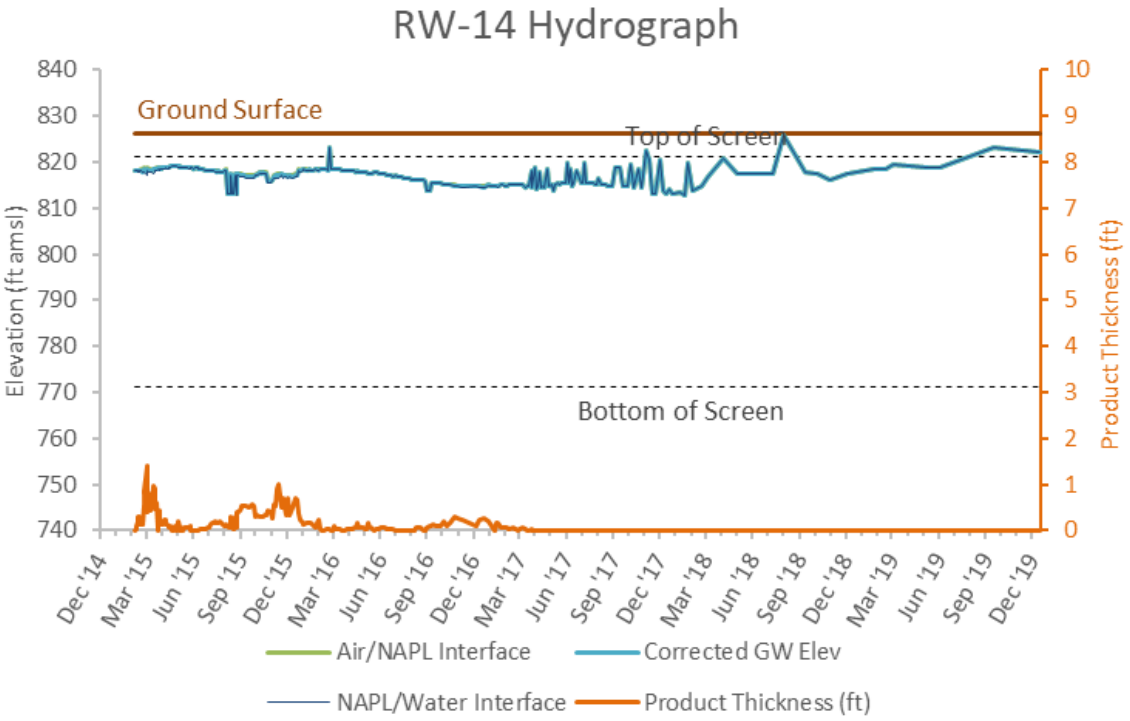

RW-08 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
840
830
820
810
800
790
780
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

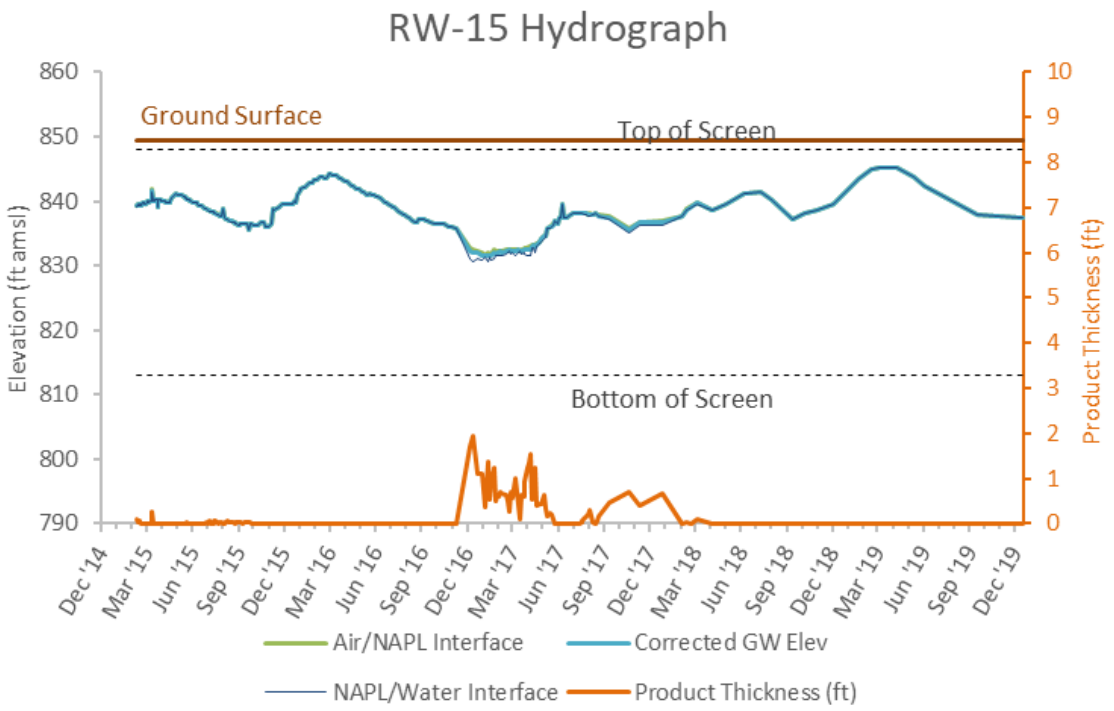

RW-09 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
840
830
820
810
800
790
780
770
760
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


RW-10 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
840
820
800
780
760
740
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

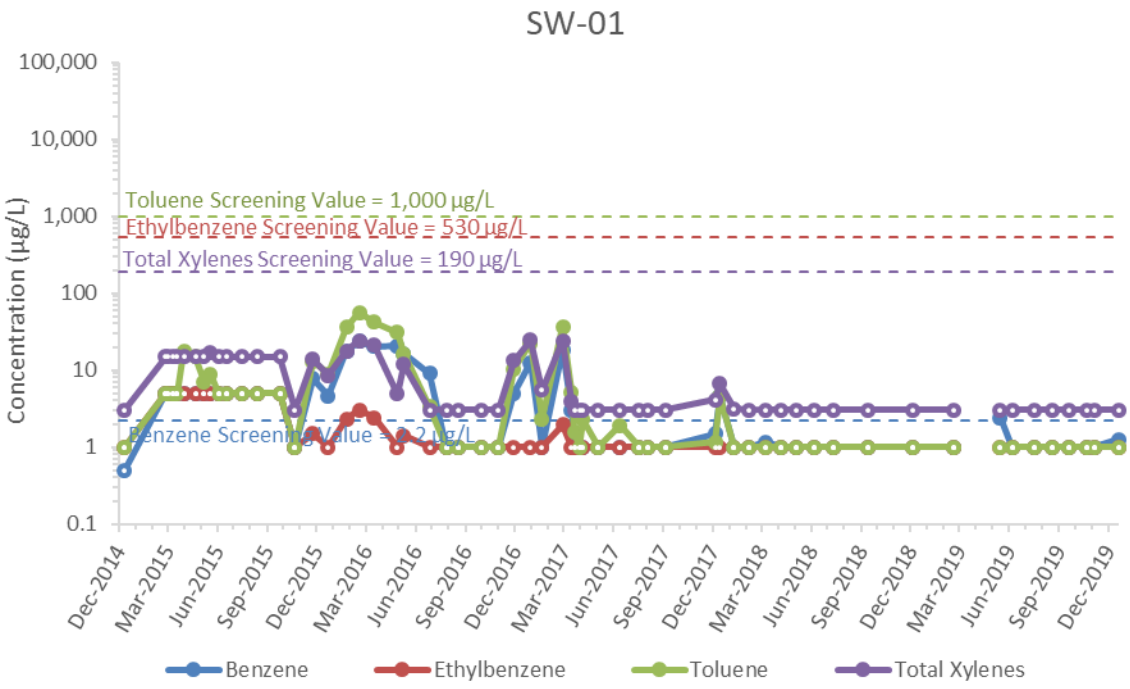

RW-11 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


RW-12 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
855
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

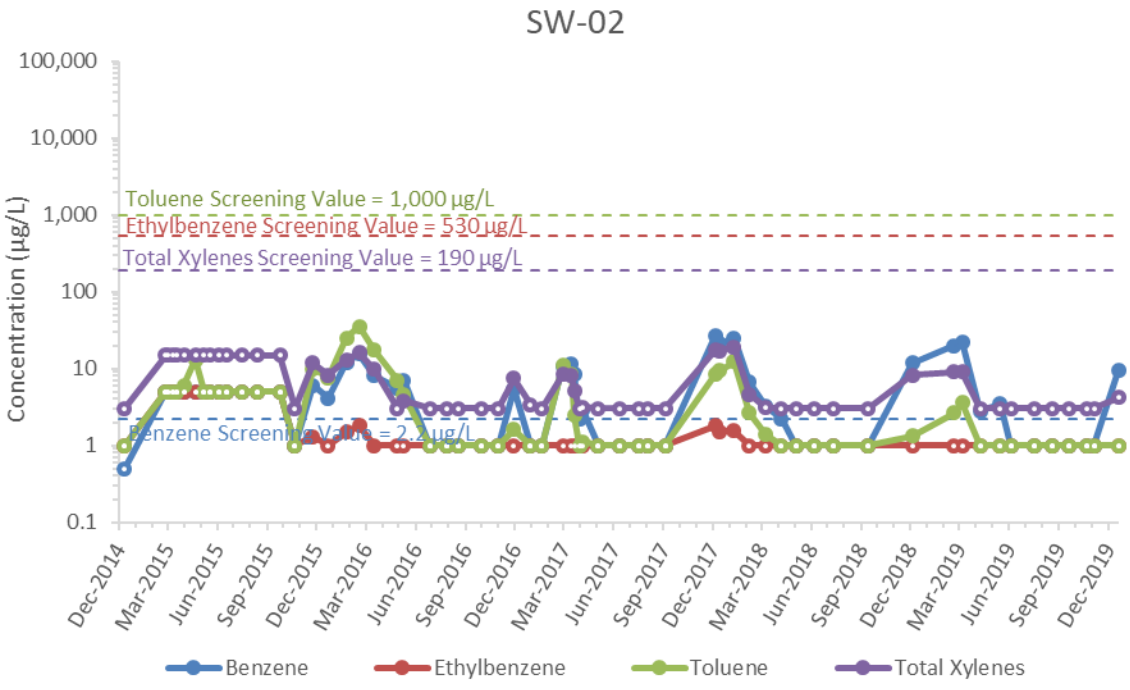

RW-14 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
840
830
820
810
800
790
780
770
760
750
740
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


RW-15 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
790
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Sep '19
Dec '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

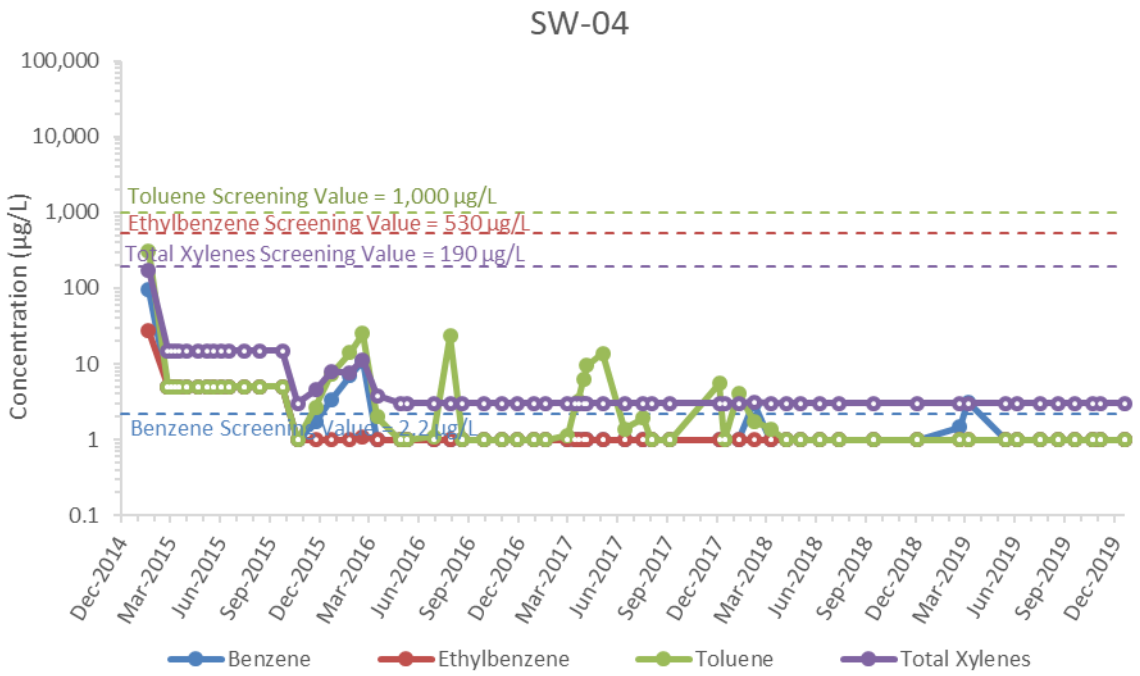
Attachment B
Surface Water Analytical Trends



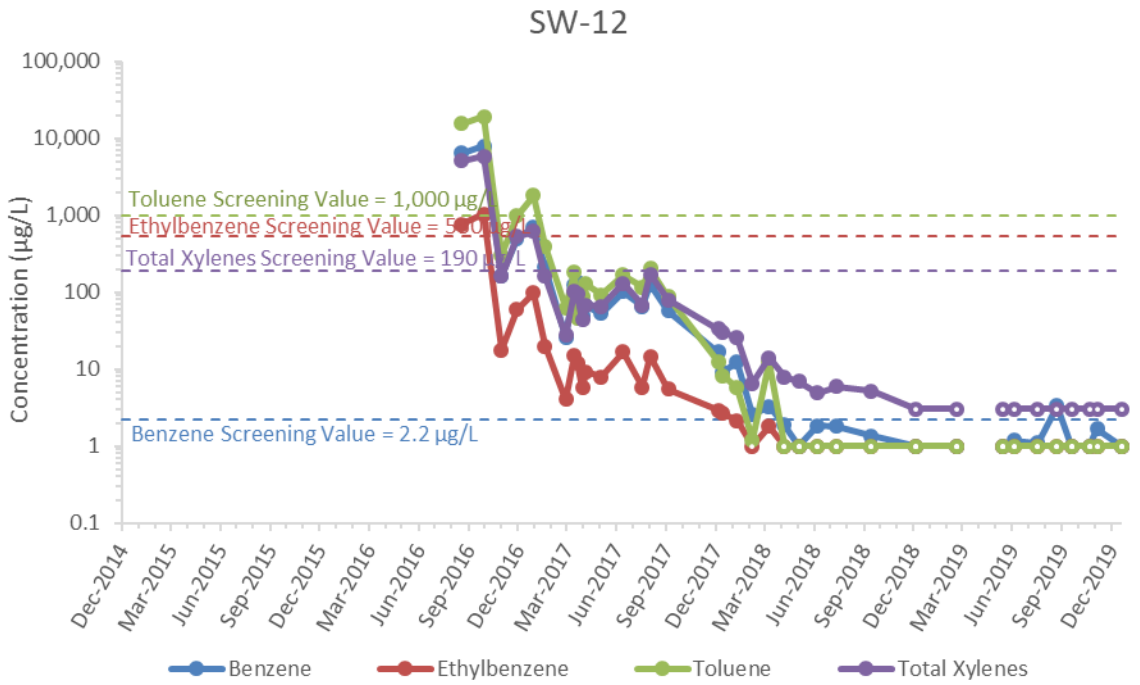
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



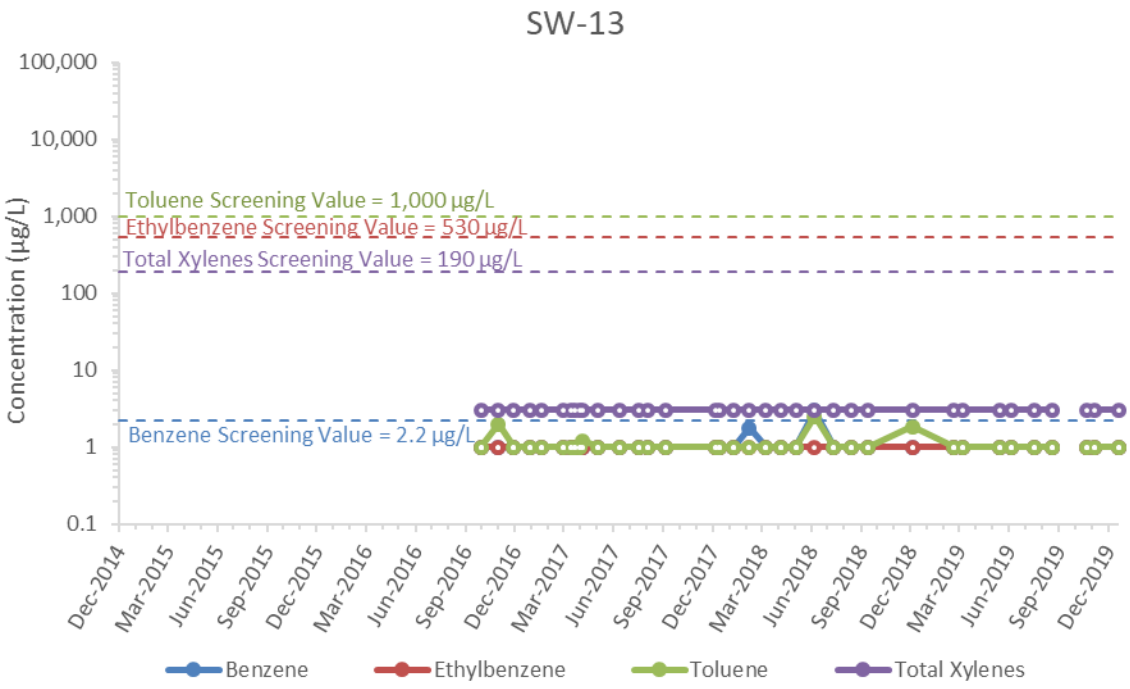
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



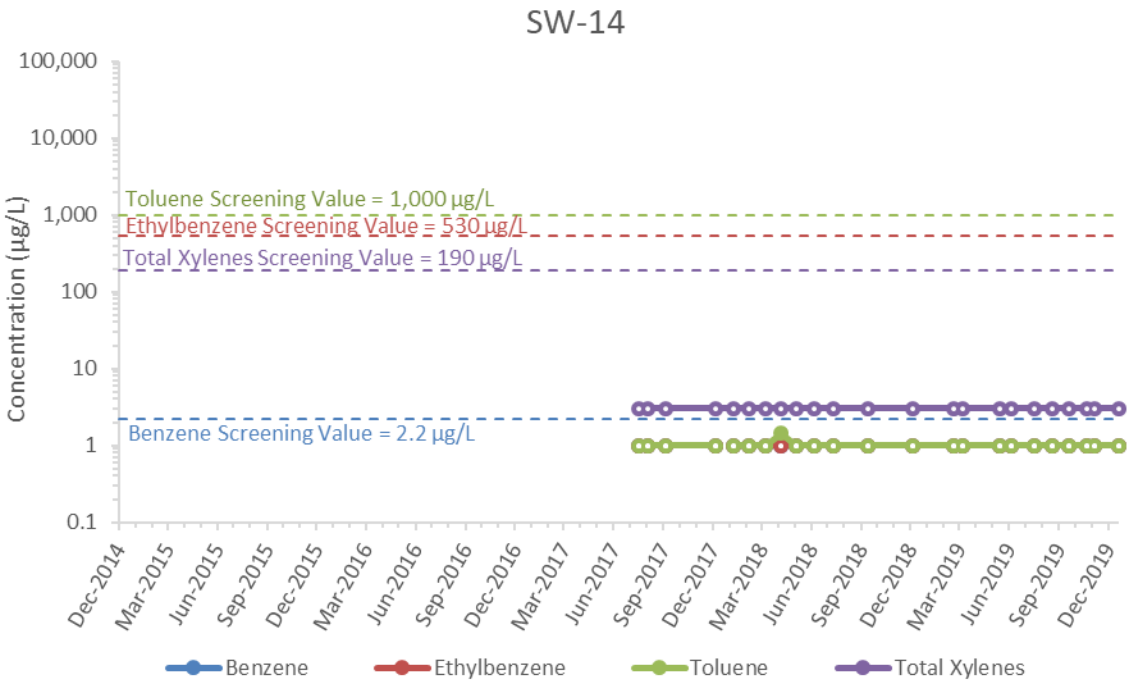
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



Open circles are drawn at the reporting limit when a compound was not detected in the sample.



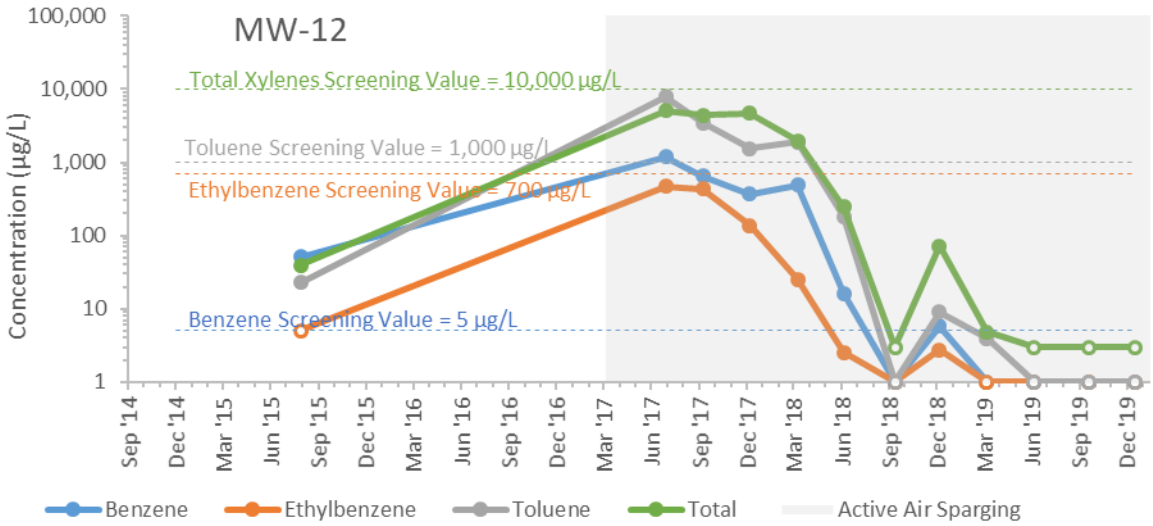
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



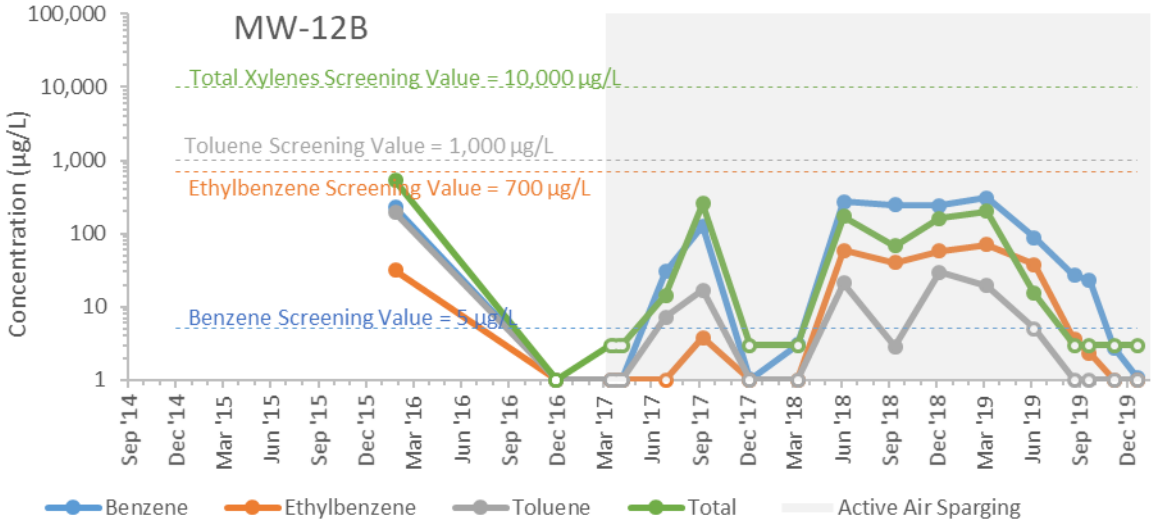
Open circles are drawn at the reporting limit when a compound was not detected in the sample.

Attachment C
Groundwater Analytical Trends

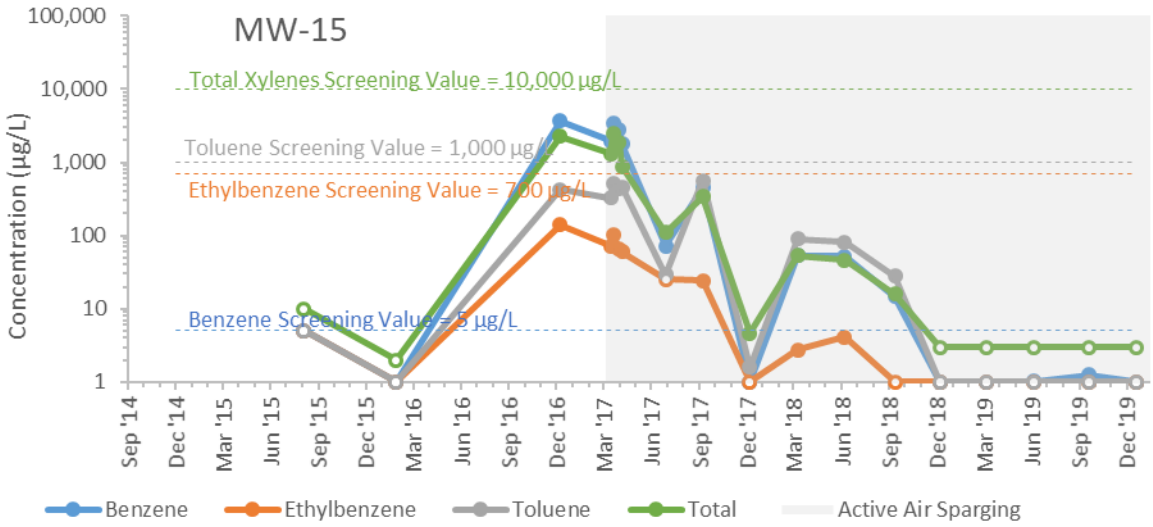
Browns Creek Monitoring Well Trends



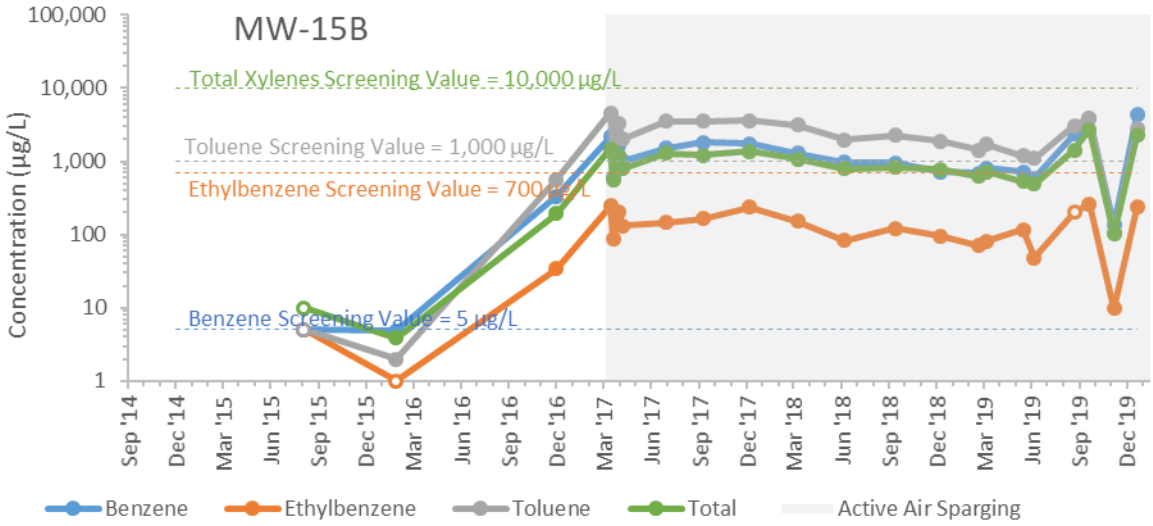
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



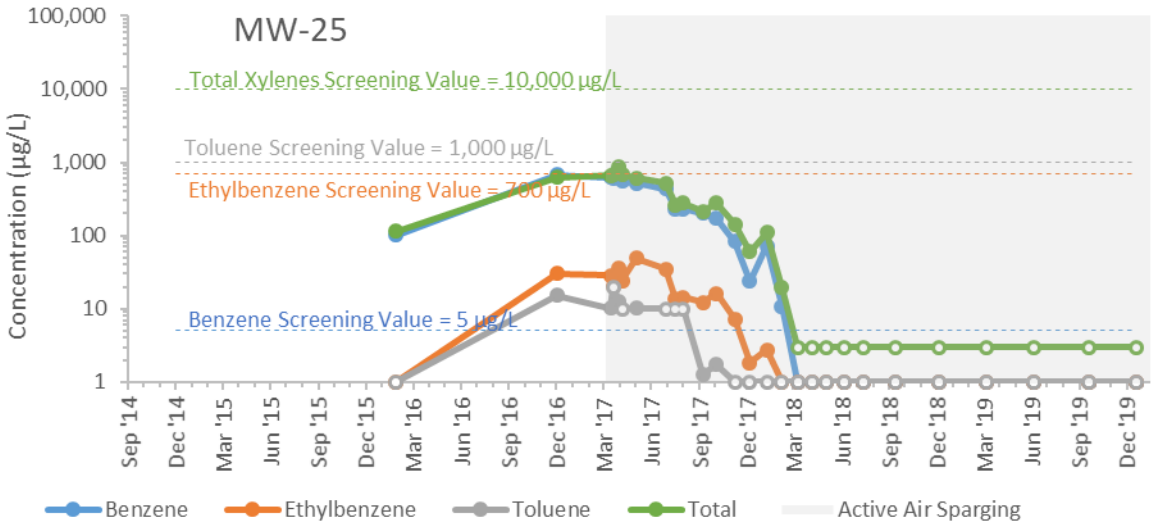
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



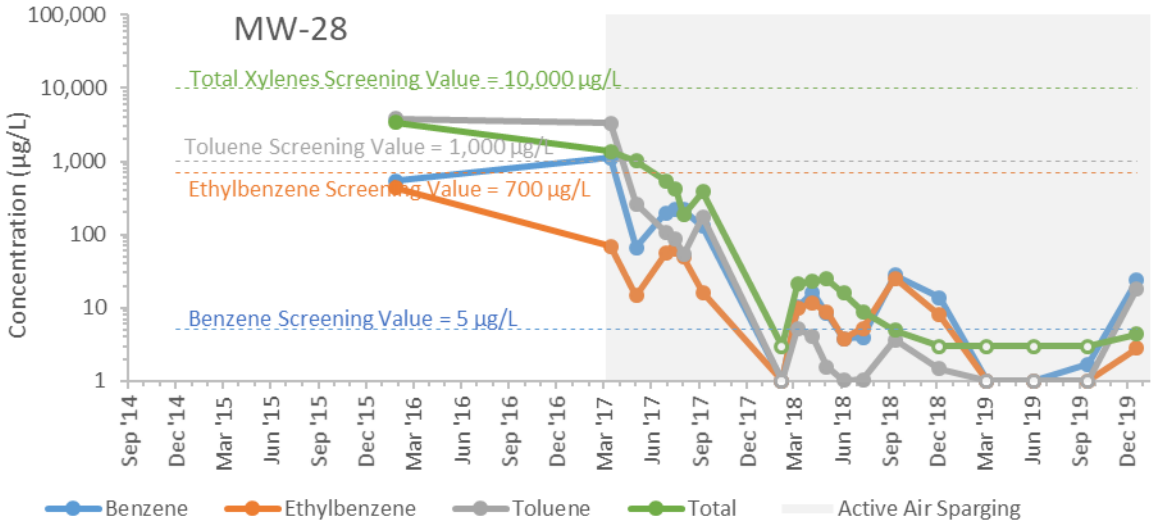
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



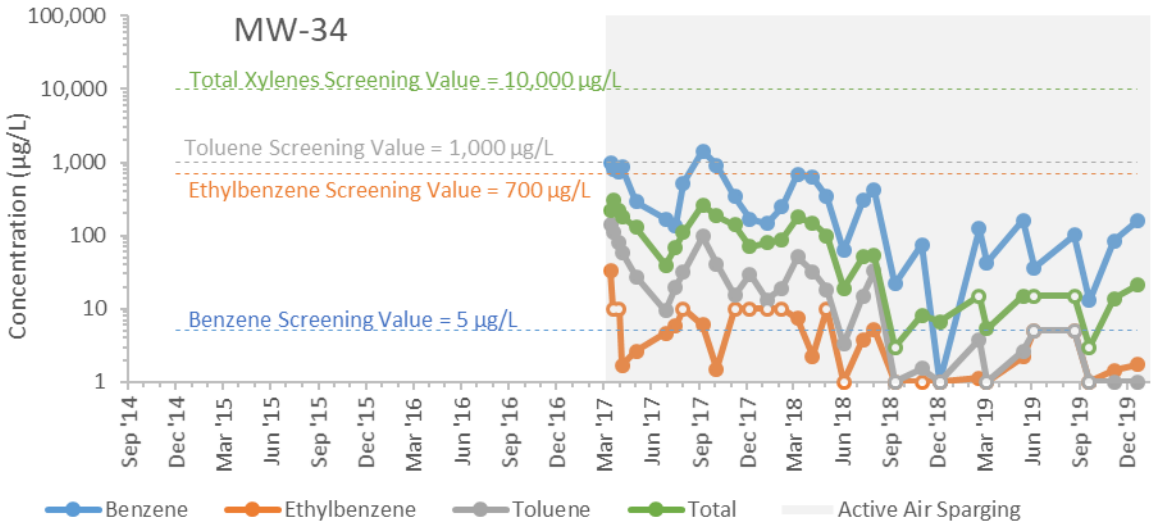
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



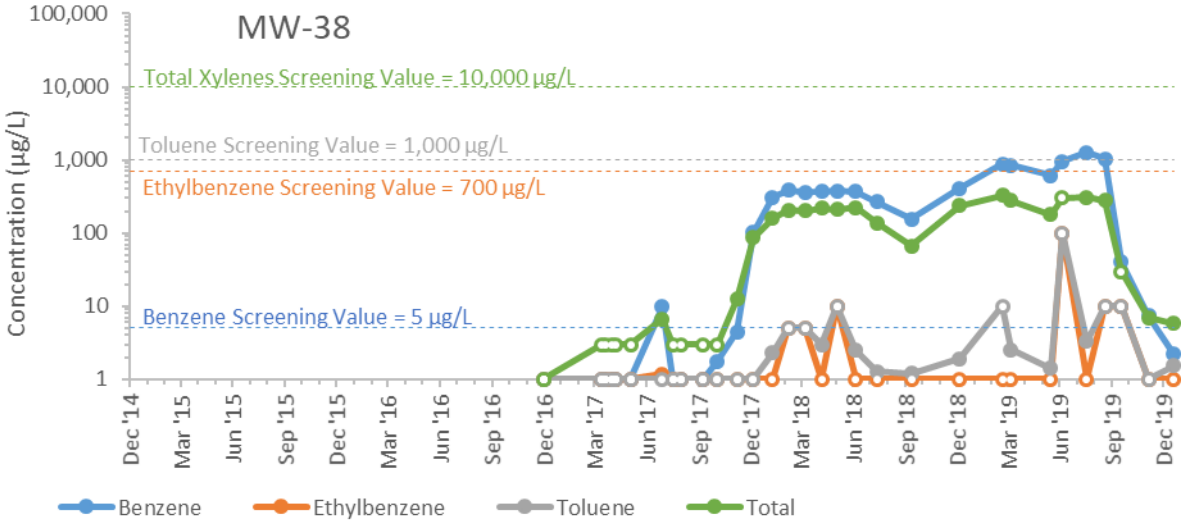
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



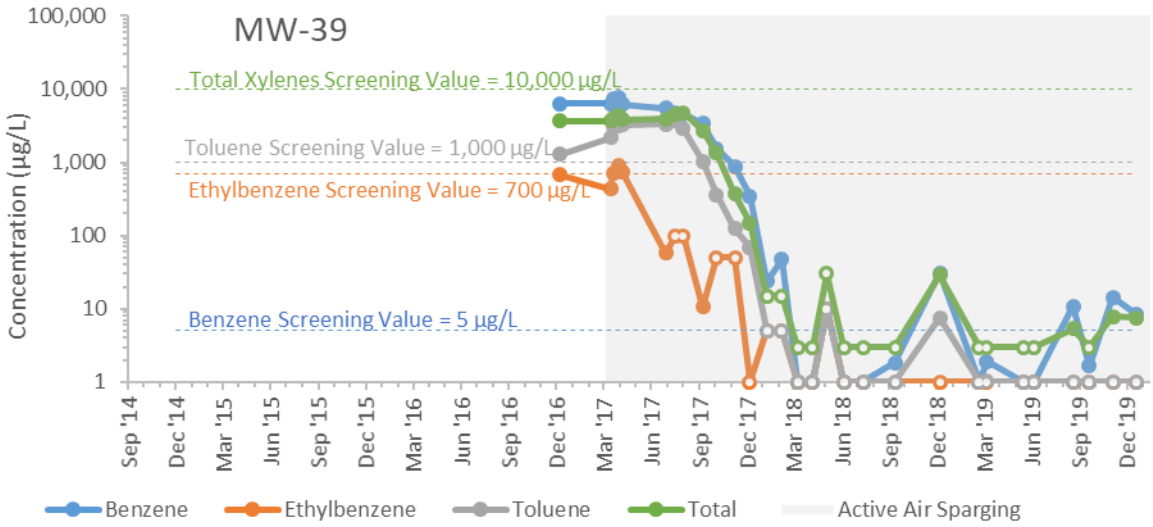
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



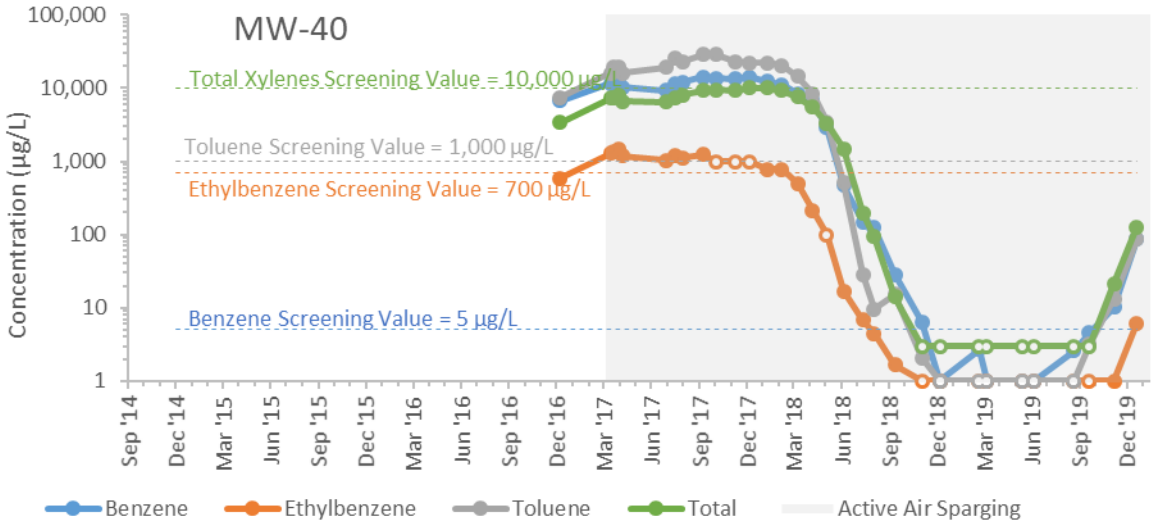
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

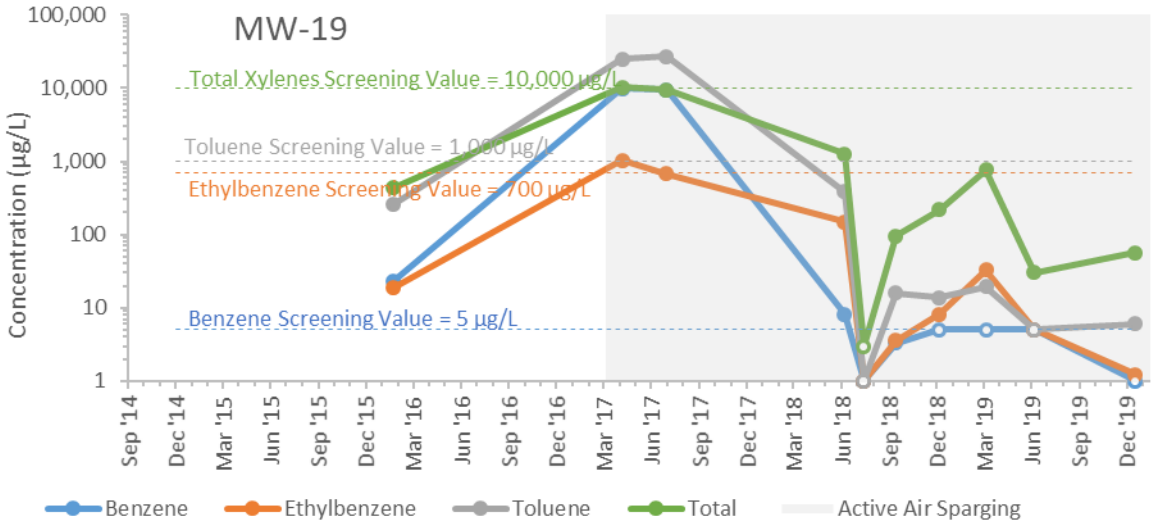


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

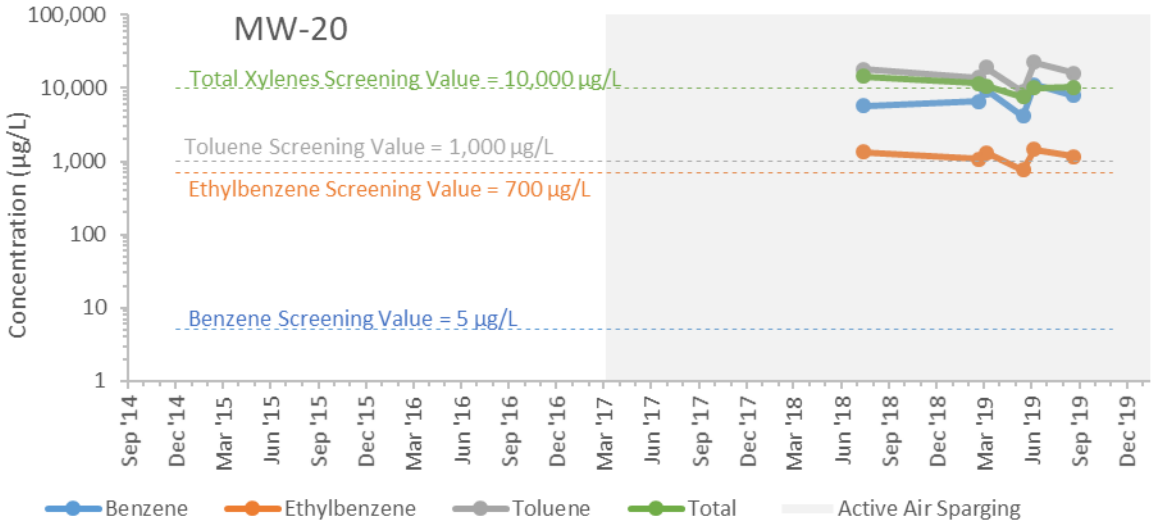


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

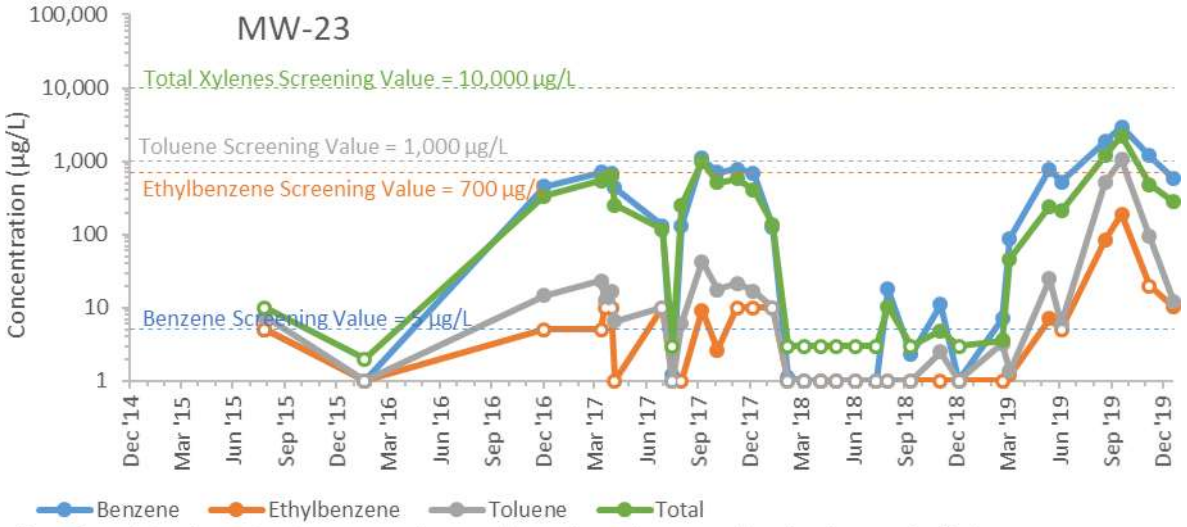
Cupboard Creek Monitoring Well Trends



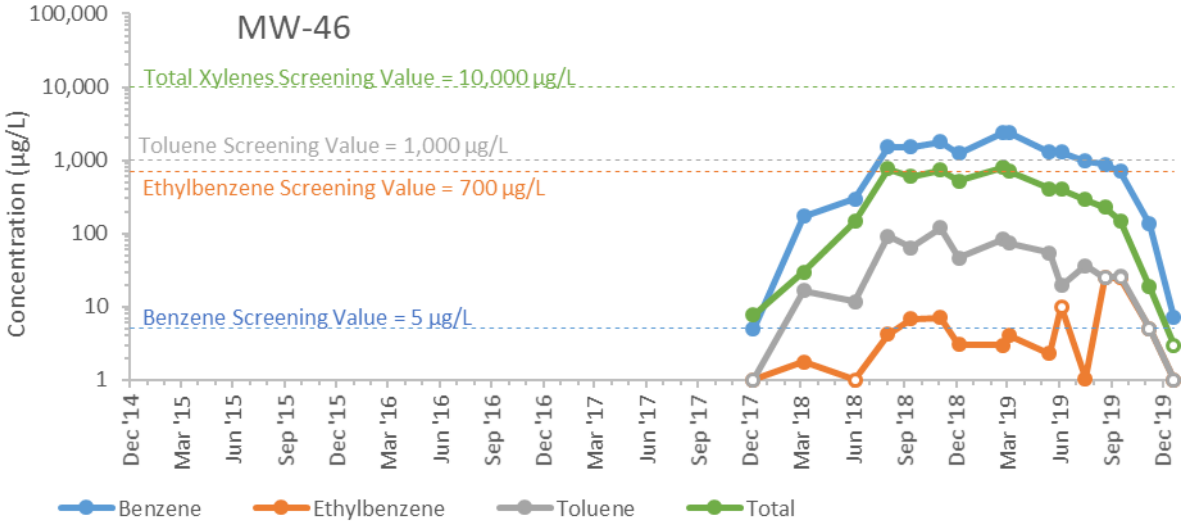
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



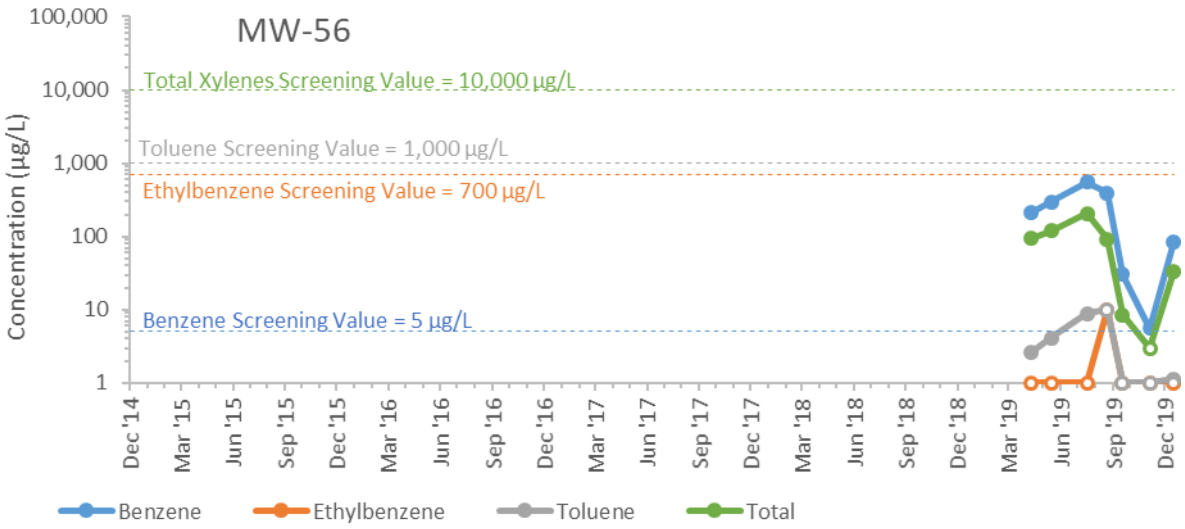
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



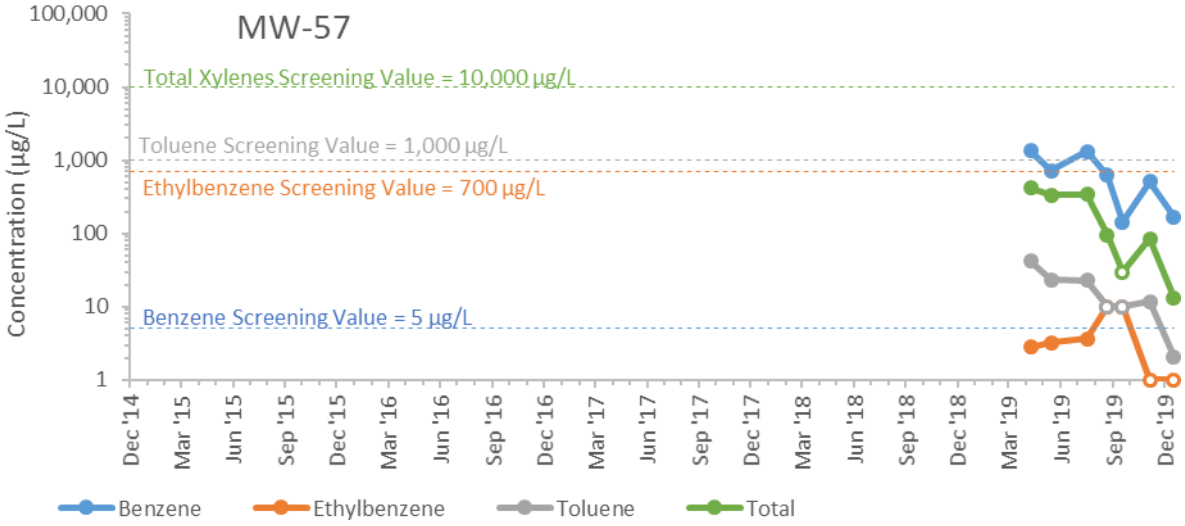
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

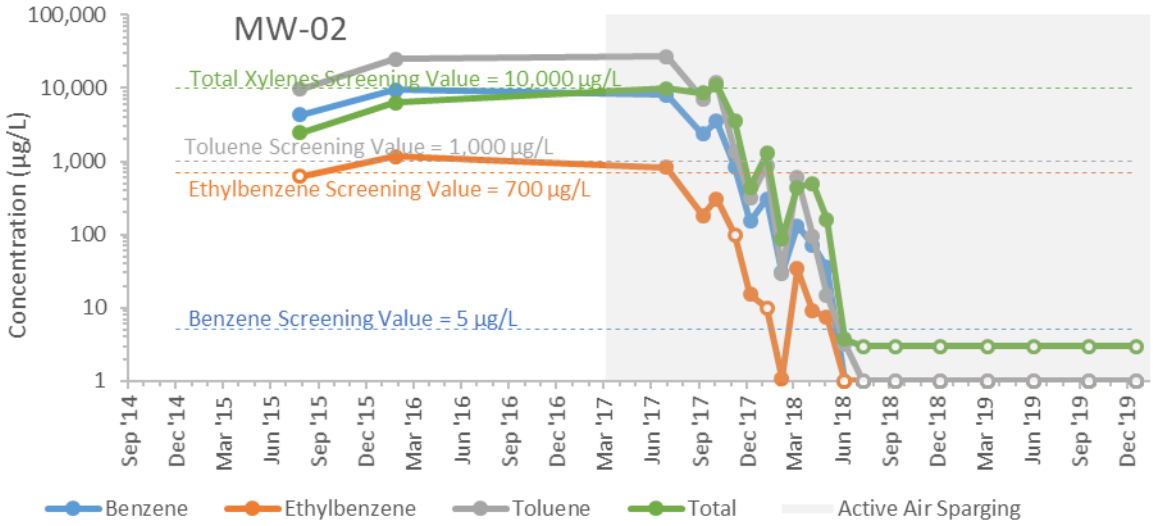


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

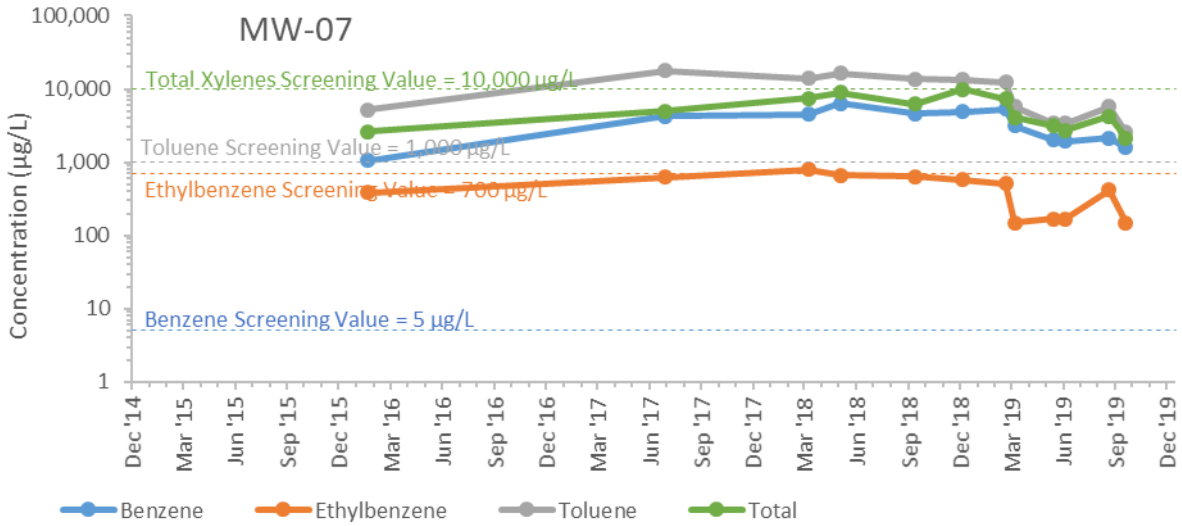


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

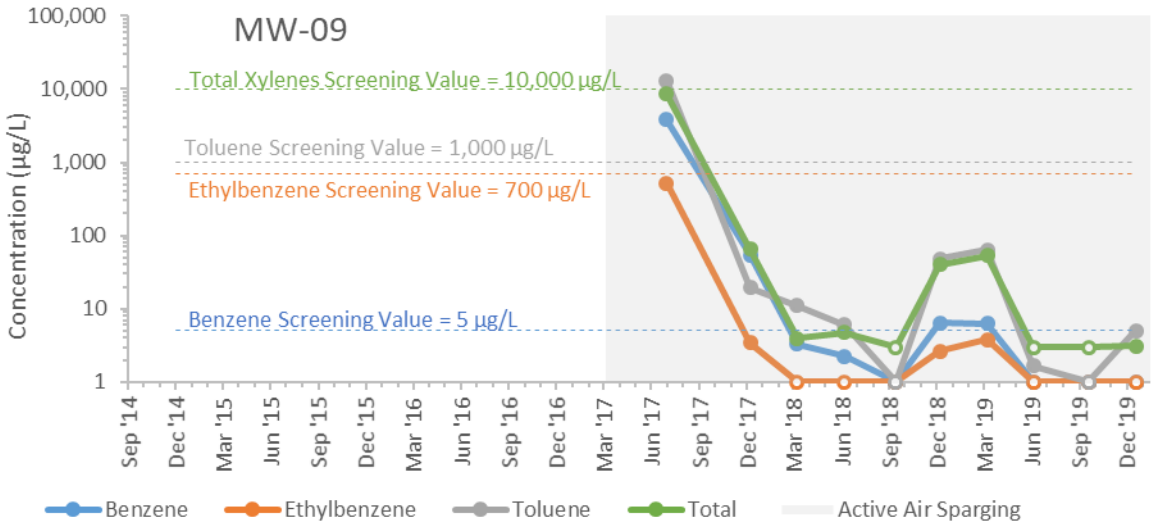
Hayfield Monitoring Well Trends



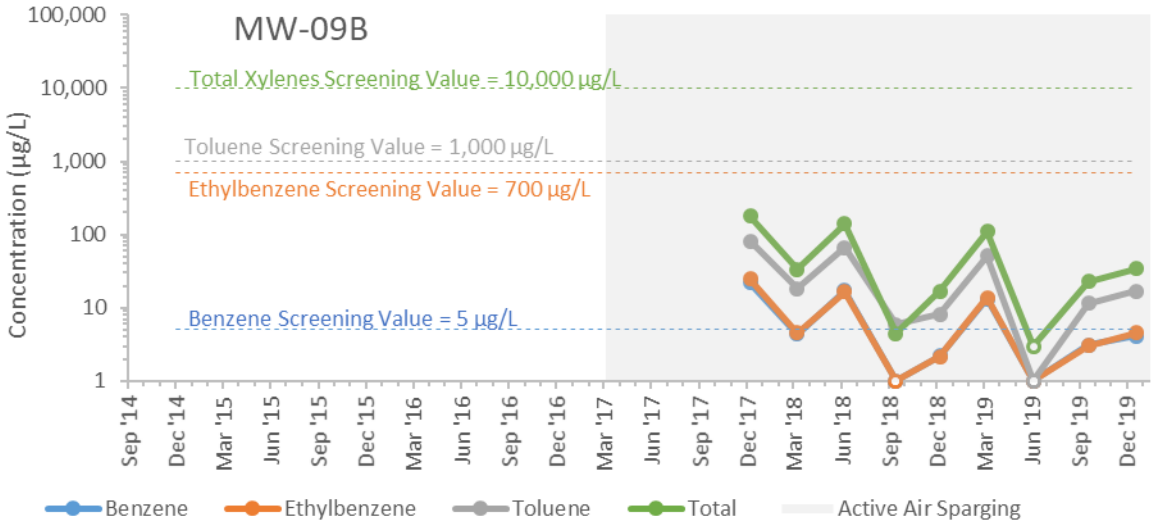
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



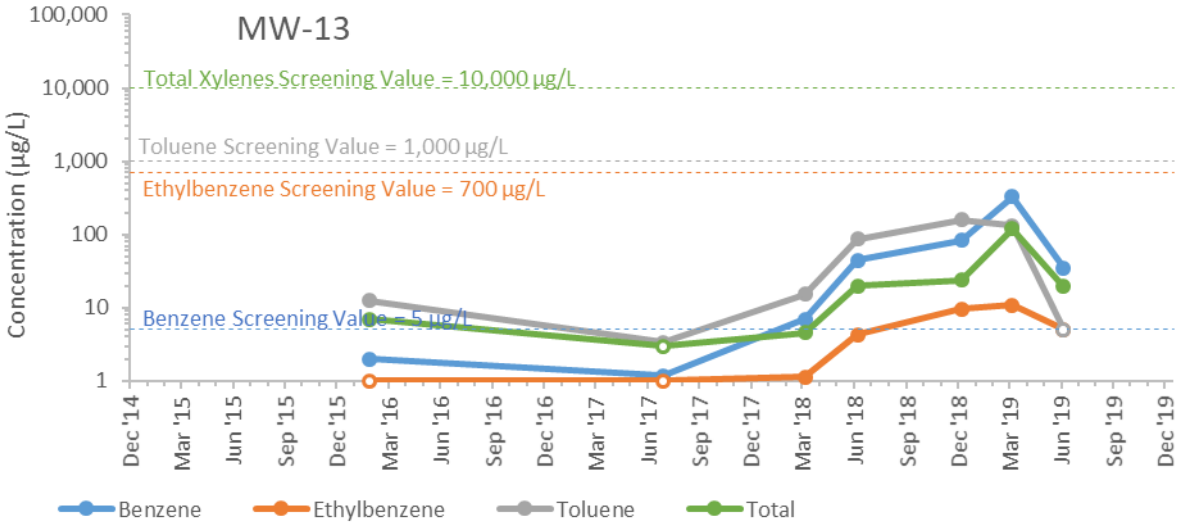
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



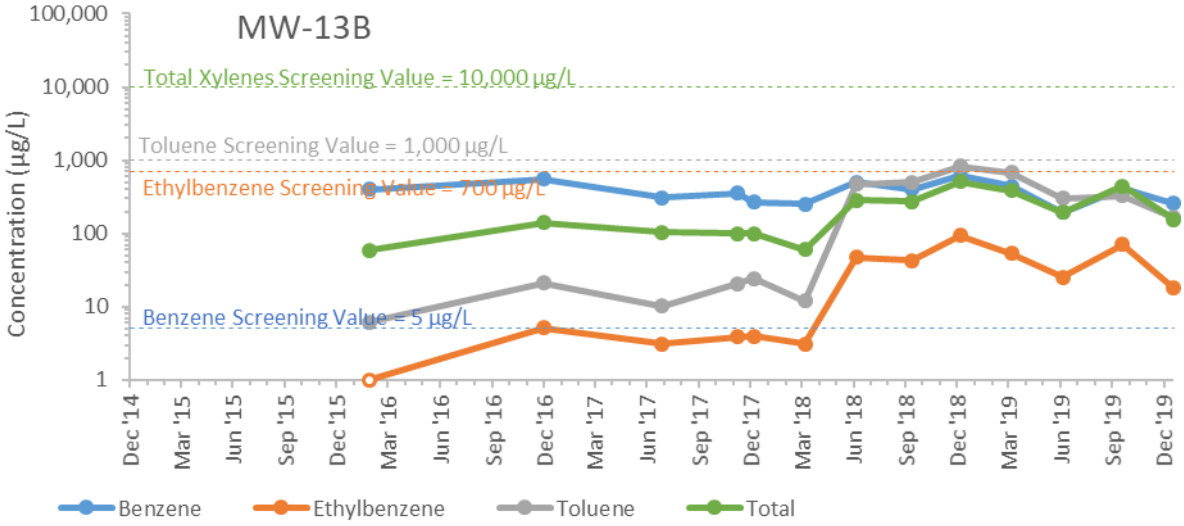
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



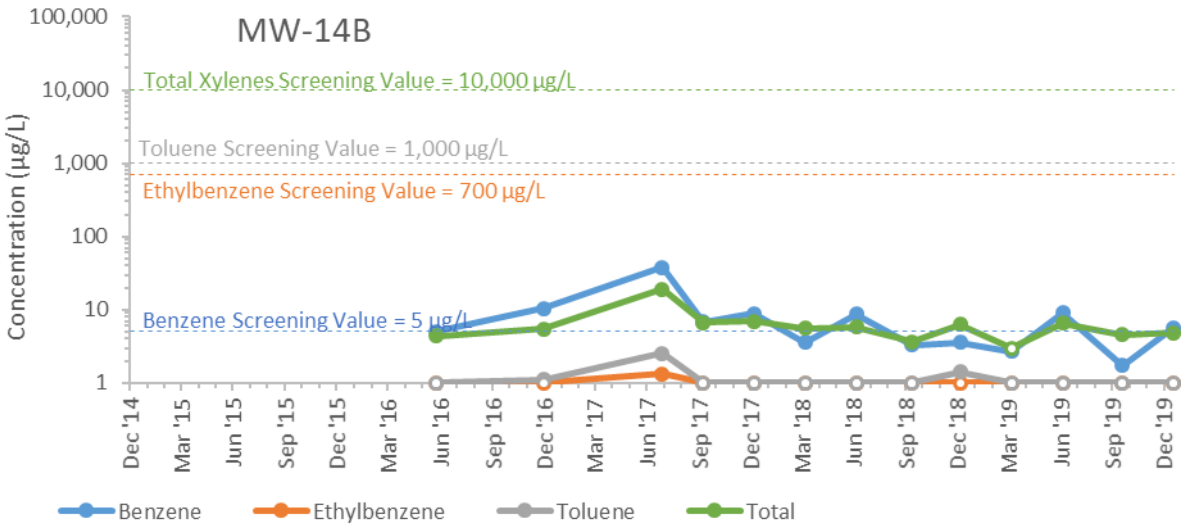
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



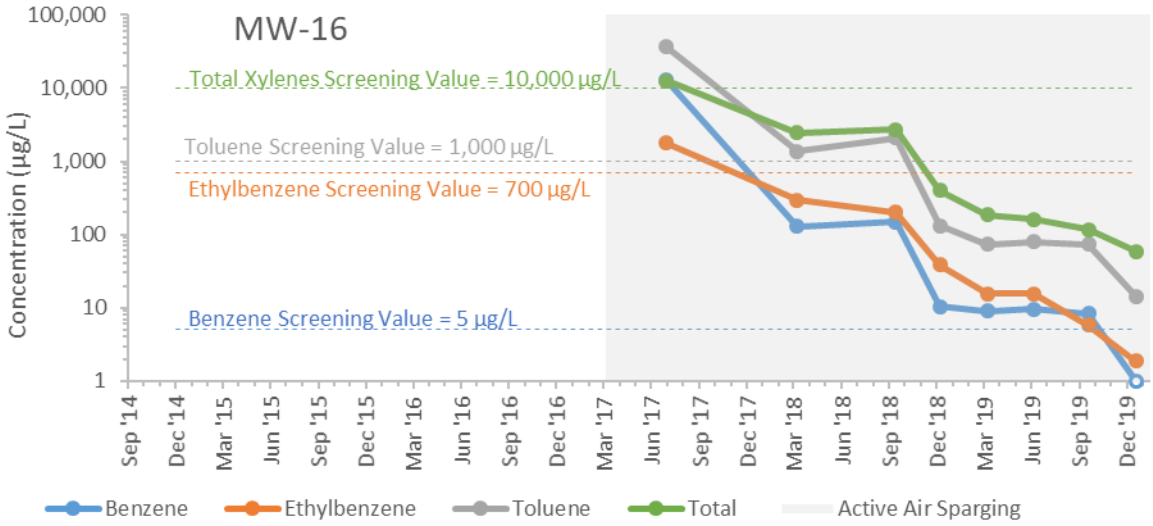
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



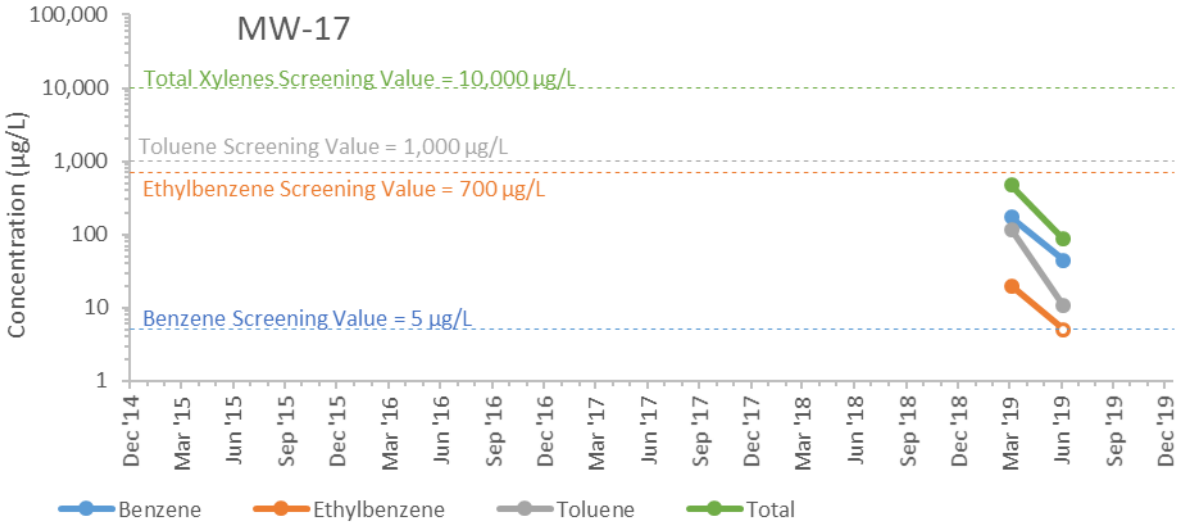
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



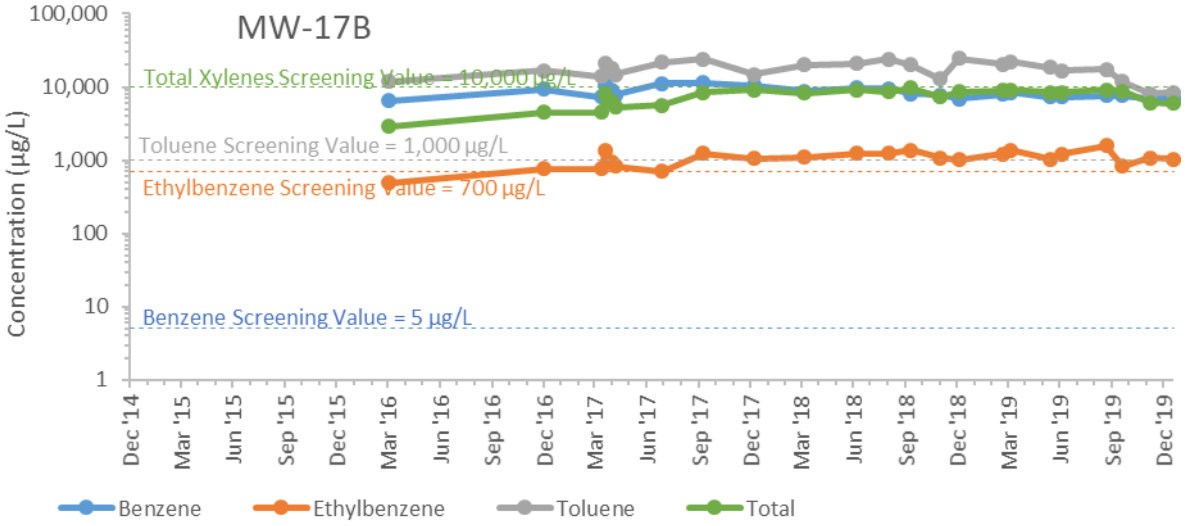
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



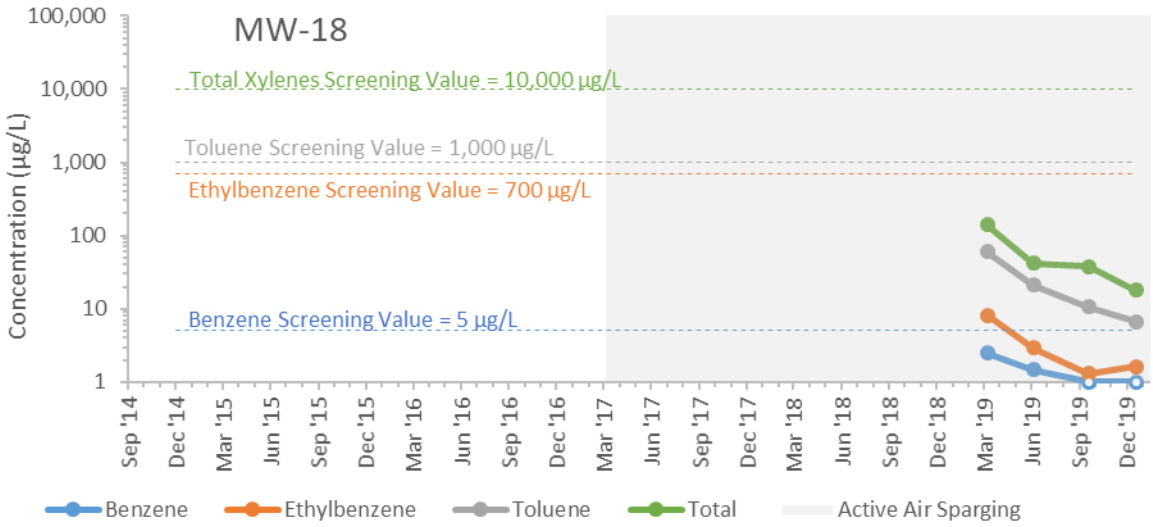
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



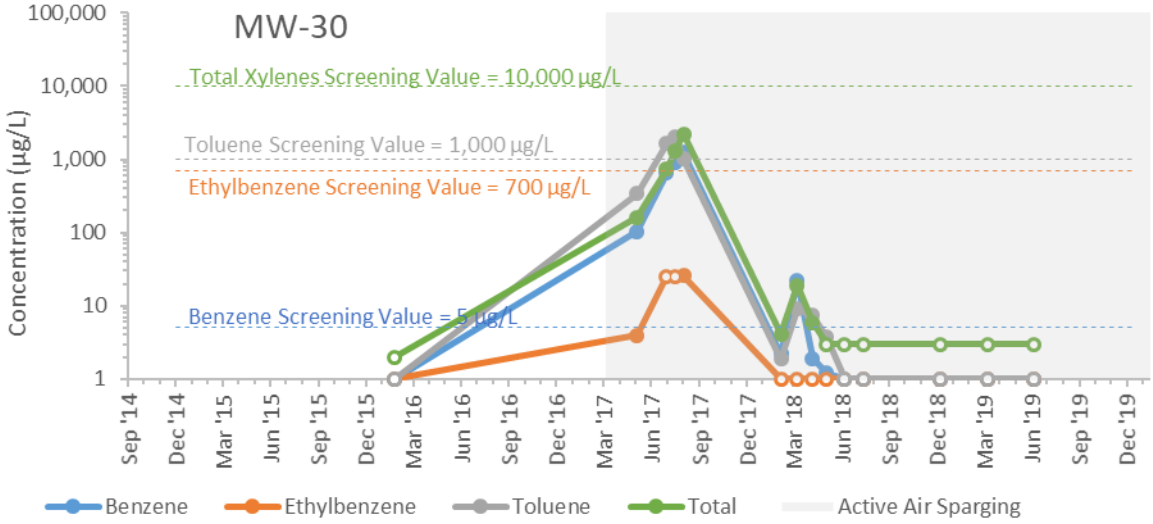
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



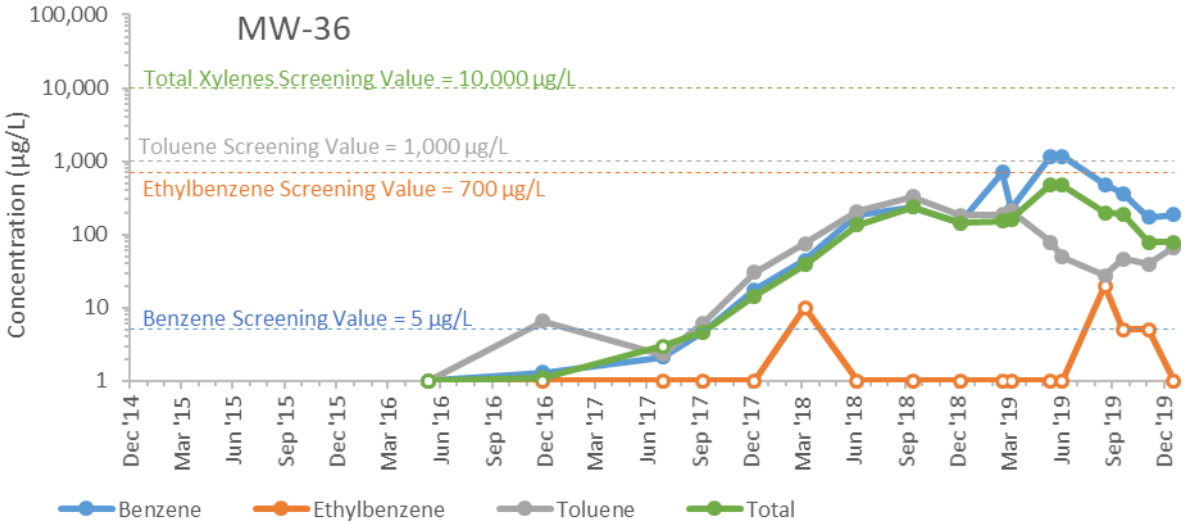
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



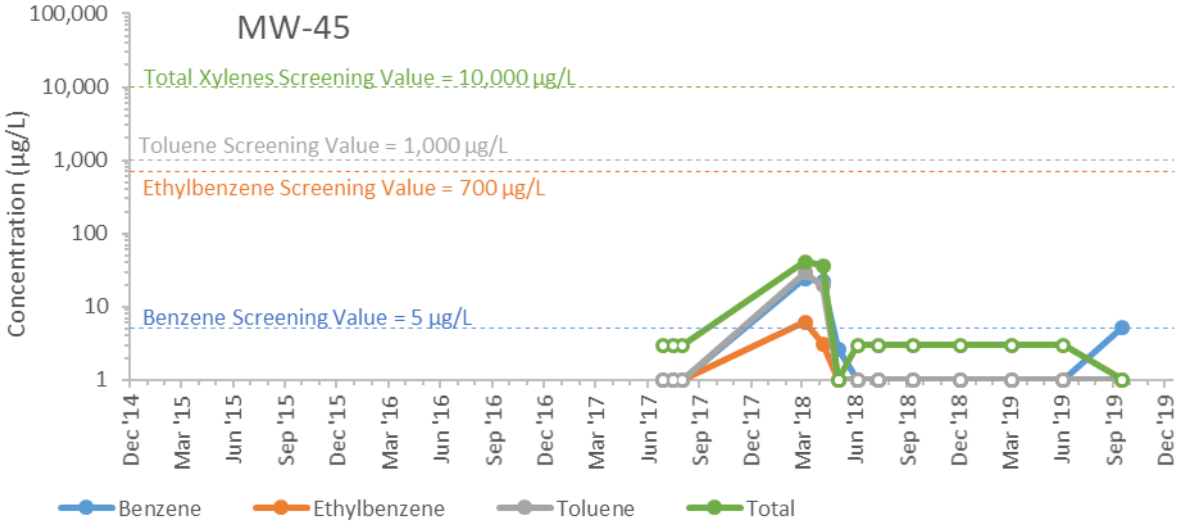
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



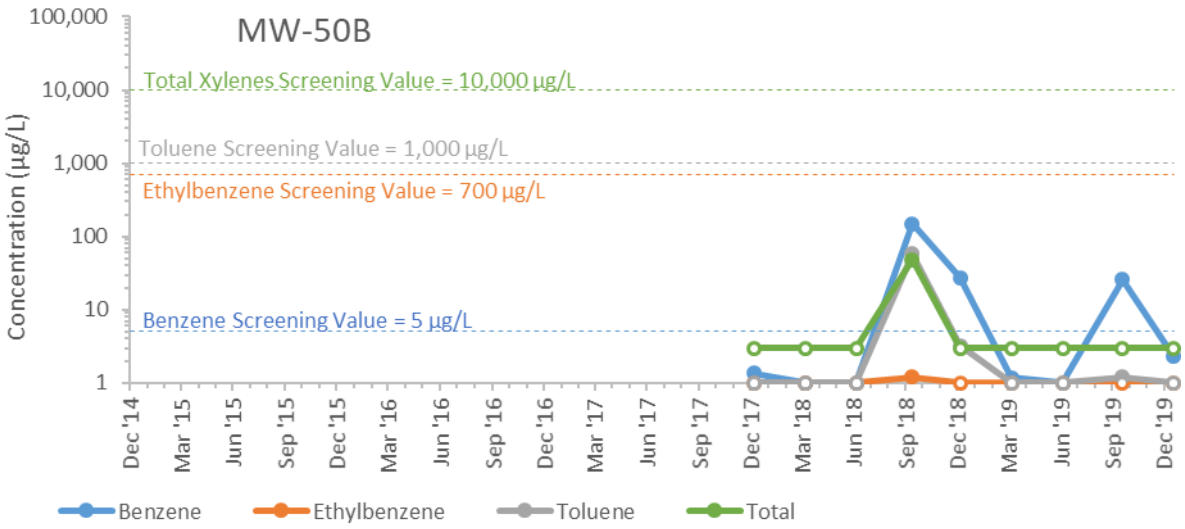
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

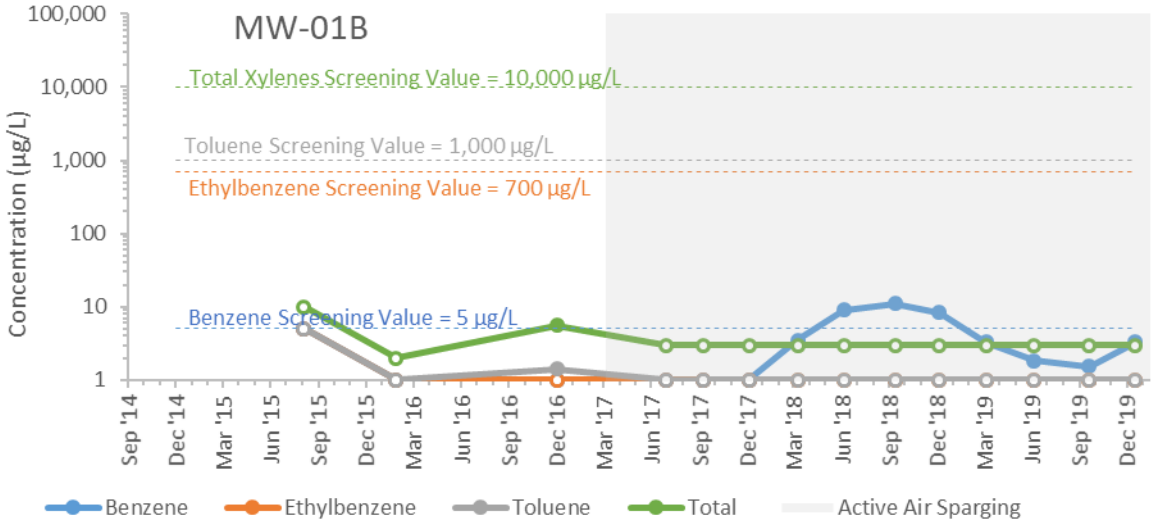


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

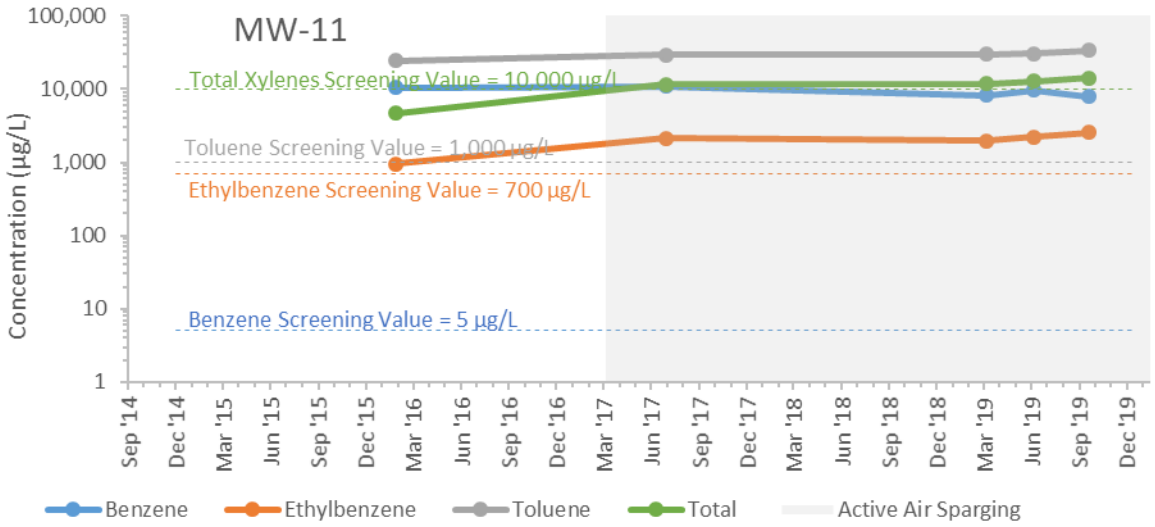


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

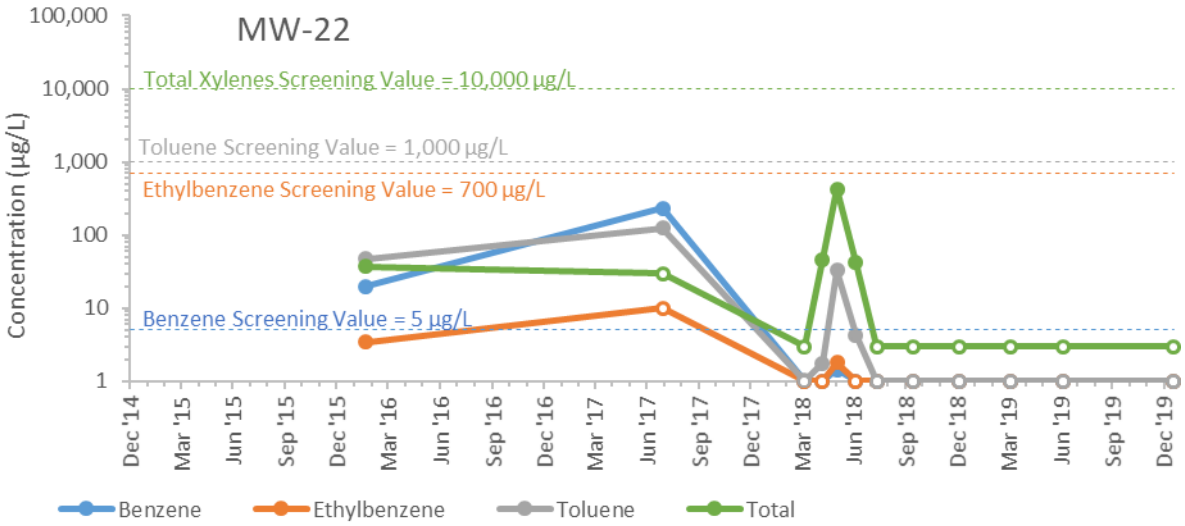
Shallow Bedrock Monitoring Well Trends



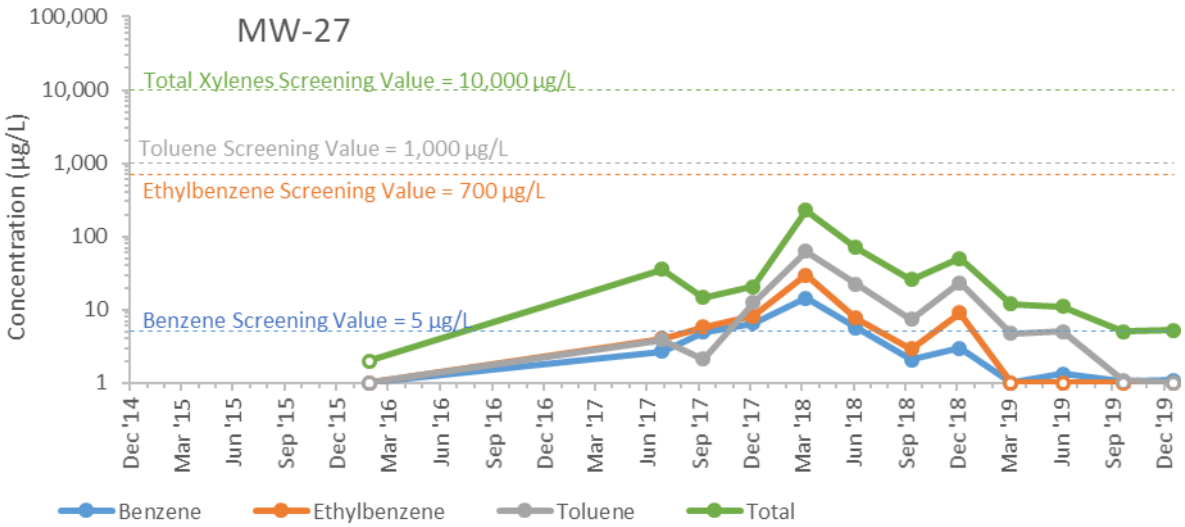
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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



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



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

Attachment D
Analytical Laboratory Reports

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 18, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1156988
Samples Received:	11/05/2019
Project Number:	D3161400
Description:	Lewis Drive Groundwater

Report To:

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

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-26-110419 L1156988-02 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 11:20 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 17:19	11/08/19 17:19	BMB	Mt. Juliet, TN

MW-54-110419 L1156988-03 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 12:00 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 17:39	11/08/19 17:39	BMB	Mt. Juliet, TN

MW-53-110419 L1156988-04 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 12:10 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 18:00	11/08/19 18:00	BMB	Mt. Juliet, TN

MW-52-110419 L1156988-05 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 12:25 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 18:21	11/08/19 18:21	BMB	Mt. Juliet, TN

MW-51-110419 L1156988-06 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 12:35 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 18:41	11/08/19 18:41	BMB	Mt. Juliet, TN

MW-55-110419 L1156988-07 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 13:55 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379380	1	11/13/19 16:37	11/13/19 16:37	JHH	Mt. Juliet, TN

MW-36-110419 L1156988-08 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 14:05 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379380	5	11/13/19 17:01	11/13/19 17:01	JHH	Mt. Juliet, TN

MW-41-110419 L1156988-09 GW

Collected by: Tyler L. Hall | Collected date/time: 11/04/19 14:35 | Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379380	1	11/13/19 17:26	11/13/19 17:26	JHH	Mt. Juliet, TN

MW-39-110419 L1156988-10 GW

Collected by: Tyler L. Hall
Collected date/time: 11/04/19 14:50
Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379380	1	11/13/19 17:50	11/13/19 17:50	JHH	Mt. Juliet, TN

TB01-110419 L1156988-11 GW

Collected by: Tyler L. Hall
Collected date/time: 11/04/19 00:00
Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1380600	1	11/15/19 08:32	11/15/19 08:32	ADM	Mt. Juliet, TN

FB01-110419 L1156988-12 GW

Collected by: Tyler L. Hall
Collected date/time: 11/04/19 15:40
Received date/time: 11/05/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1377401	1	11/08/19 11:54	11/08/19 11:54	BMB	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 17:19	WG1377401
Toluene	ND		1.00	1	11/08/2019 17:19	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 17:19	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 17:19	WG1377401
Methyl tert-butyl ether	ND		1.00	1	11/08/2019 17:19	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 17:19	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 17:19	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 17:19	WG1377401
(S) Toluene-d8	*107*		*80.0-120*		*11/08/2019 17:19*	WG1377401
(S) 4-Bromofluorobenzene	*91.1*		*77.0-126*		*11/08/2019 17:19*	WG1377401
(S) 1,2-Dichloroethane-d4	*98.2*		*70.0-130*		*11/08/2019 17:19*	WG1377401

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 17:39	WG1377401
Toluene	ND		1.00	1	11/08/2019 17:39	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 17:39	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 17:39	WG1377401
Methyl tert-butyl ether	ND		1.00	1	11/08/2019 17:39	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 17:39	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 17:39	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 17:39	WG1377401
(S) Toluene-d8	*112*		*80.0-120*		*11/08/2019 17:39*	WG1377401
(S) 4-Bromofluorobenzene	*91.1*		*77.0-126*		*11/08/2019 17:39*	WG1377401
(S) 1,2-Dichloroethane-d4	*92.3*		*70.0-130*		*11/08/2019 17:39*	WG1377401

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 18:00	WG1377401
Toluene	ND		1.00	1	11/08/2019 18:00	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 18:00	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 18:00	WG1377401
Methyl tert-butyl ether	ND		1.00	1	11/08/2019 18:00	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 18:00	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 18:00	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 18:00	WG1377401
(S) Toluene-d8	*113*		*80.0-120*		*11/08/2019 18:00*	WG1377401
(S) 4-Bromofluorobenzene	*88.6*		*77.0-126*		*11/08/2019 18:00*	WG1377401
(S) 1,2-Dichloroethane-d4	*92.8*		*70.0-130*		*11/08/2019 18:00*	WG1377401

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 18:21	WG1377401
Toluene	ND		1.00	1	11/08/2019 18:21	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 18:21	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 18:21	WG1377401
Methyl tert-butyl ether	ND		1.00	1	11/08/2019 18:21	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 18:21	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 18:21	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 18:21	WG1377401
(S) Toluene-d8	*112*		*80.0-120*		*11/08/2019 18:21*	WG1377401
(S) 4-Bromofluorobenzene	*91.0*		*77.0-126*		*11/08/2019 18:21*	WG1377401
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*11/08/2019 18:21*	WG1377401

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 18:41	WG1377401
Toluene	ND		1.00	1	11/08/2019 18:41	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 18:41	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 18:41	WG1377401
Methyl tert-butyl ether	3.57		1.00	1	11/08/2019 18:41	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 18:41	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 18:41	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 18:41	WG1377401
(S) Toluene-d8	*118*		*80.0-120*		*11/08/2019 18:41*	WG1377401
(S) 4-Bromofluorobenzene	*89.1*		*77.0-126*		*11/08/2019 18:41*	WG1377401
(S) 1,2-Dichloroethane-d4	*91.6*		*70.0-130*		*11/08/2019 18:41*	WG1377401

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/13/2019 16:37	WG1379380
Toluene	ND		1.00	1	11/13/2019 16:37	WG1379380
Ethylbenzene	ND		1.00	1	11/13/2019 16:37	WG1379380
Total Xylenes	ND		3.00	1	11/13/2019 16:37	WG1379380
Methyl tert-butyl ether	ND		1.00	1	11/13/2019 16:37	WG1379380
1,2-Dichloroethane	ND		1.00	1	11/13/2019 16:37	WG1379380
1,2-Dibromoethane	ND		1.00	1	11/13/2019 16:37	WG1379380
Naphthalene	ND		5.00	1	11/13/2019 16:37	WG1379380
(S) Toluene-d8	*111*		*80.0-120*		*11/13/2019 16:37*	WG1379380
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*11/13/2019 16:37*	WG1379380
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*11/13/2019 16:37*	WG1379380

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	172		5.00	5	11/13/2019 17:01	WG1379380
Toluene	39.7		5.00	5	11/13/2019 17:01	WG1379380
Ethylbenzene	ND		5.00	5	11/13/2019 17:01	WG1379380
Total Xylenes	78.7		15.0	5	11/13/2019 17:01	WG1379380
Methyl tert-butyl ether	ND		5.00	5	11/13/2019 17:01	WG1379380
1,2-Dichloroethane	ND		5.00	5	11/13/2019 17:01	WG1379380
1,2-Dibromoethane	ND		5.00	5	11/13/2019 17:01	WG1379380
Naphthalene	ND		25.0	5	11/13/2019 17:01	WG1379380
(S) Toluene-d8	*109*		*80.0-120*		*11/13/2019 17:01*	WG1379380
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*11/13/2019 17:01*	WG1379380
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*11/13/2019 17:01*	WG1379380

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/13/2019 17:26	WG1379380
Toluene	ND		1.00	1	11/13/2019 17:26	WG1379380
Ethylbenzene	ND		1.00	1	11/13/2019 17:26	WG1379380
Total Xylenes	ND		3.00	1	11/13/2019 17:26	WG1379380
Methyl tert-butyl ether	ND		1.00	1	11/13/2019 17:26	WG1379380
1,2-Dichloroethane	ND		1.00	1	11/13/2019 17:26	WG1379380
1,2-Dibromoethane	ND		1.00	1	11/13/2019 17:26	WG1379380
Naphthalene	ND		5.00	1	11/13/2019 17:26	WG1379380
(S) Toluene-d8	*112*		*80.0-120*		*11/13/2019 17:26*	WG1379380
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*11/13/2019 17:26*	WG1379380
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*11/13/2019 17:26*	WG1379380

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	14.3		1.00	1	11/13/2019 17:50	WG1379380
Toluene	ND		1.00	1	11/13/2019 17:50	WG1379380
Ethylbenzene	ND		1.00	1	11/13/2019 17:50	WG1379380
Total Xylenes	7.75		3.00	1	11/13/2019 17:50	WG1379380
Methyl tert-butyl ether	114		1.00	1	11/13/2019 17:50	WG1379380
1,2-Dichloroethane	ND		1.00	1	11/13/2019 17:50	WG1379380
1,2-Dibromoethane	ND		1.00	1	11/13/2019 17:50	WG1379380
Naphthalene	ND		5.00	1	11/13/2019 17:50	WG1379380
(S) Toluene-d8	*110*		*80.0-120*		*11/13/2019 17:50*	WG1379380
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*11/13/2019 17:50*	WG1379380
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*11/13/2019 17:50*	WG1379380

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/15/2019 08:32	WG1380600
Toluene	ND		1.00	1	11/15/2019 08:32	WG1380600
Ethylbenzene	ND		1.00	1	11/15/2019 08:32	WG1380600
Total Xylenes	ND		3.00	1	11/15/2019 08:32	WG1380600
Methyl tert-butyl ether	ND		1.00	1	11/15/2019 08:32	WG1380600
1,2-Dichloroethane	ND		1.00	1	11/15/2019 08:32	WG1380600
1,2-Dibromoethane	ND		1.00	1	11/15/2019 08:32	WG1380600
Naphthalene	ND		5.00	1	11/15/2019 08:32	WG1380600
(S) Toluene-d8	*97.0*		*80.0-120*		*11/15/2019 08:32*	WG1380600
(S) 4-Bromofluorobenzene	*91.0*		*77.0-126*		*11/15/2019 08:32*	WG1380600
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*11/15/2019 08:32*	WG1380600

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/08/2019 11:54	WG1377401
Toluene	ND		1.00	1	11/08/2019 11:54	WG1377401
Ethylbenzene	ND		1.00	1	11/08/2019 11:54	WG1377401
Total Xylenes	ND		3.00	1	11/08/2019 11:54	WG1377401
Methyl tert-butyl ether	ND		1.00	1	11/08/2019 11:54	WG1377401
1,2-Dichloroethane	ND		1.00	1	11/08/2019 11:54	WG1377401
1,2-Dibromoethane	ND		1.00	1	11/08/2019 11:54	WG1377401
Naphthalene	ND		5.00	1	11/08/2019 11:54	WG1377401
(S) Toluene-d8	*107*		*80.0-120*		*11/08/2019 11:54*	WG1377401
(S) 4-Bromofluorobenzene	*89.6*		*77.0-126*		*11/08/2019 11:54*	WG1377401
(S) 1,2-Dichloroethane-d4	*99.3*		*70.0-130*		*11/08/2019 11:54*	WG1377401

Method Blank (MB)

(MB) R3471178-2 11/08/19 07:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dibromoethane	U		0.381	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	*89.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3471178-1 11/08/19 06:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.41	108	70.0-123	
1,2-Dibromoethane	5.00	5.48	110	80.0-122	
1,2-Dichloroethane	5.00	4.65	93.0	70.0-128	
Ethylbenzene	5.00	4.68	93.6	79.0-123	
Methyl tert-butyl ether	5.00	5.08	102	68.0-125	
Naphthalene	5.00	4.37	87.4	54.0-135	
Toluene	5.00	5.00	100	79.0-120	
Xylenes, Total	15.0	13.7	91.3	79.0-123	
(S) Toluene-d8			*110*	*80.0-120*	
(S) 4-Bromofluorobenzene			*86.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*92.1*	*70.0-130*	

Method Blank (MB)

(MB) R3471850-3 11/13/19 11:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.331	1.00
1,2-Dibromoethane	U		0.381	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	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R3471850-1 11/13/19 09:48 • (LCSD) R3471850-2 11/13/19 10:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	4.69	4.54	93.8	90.8	70.0-123			3.25	20
1,2-Dibromoethane	5.00	4.88	5.08	97.6	102	80.0-122			4.02	20
1,2-Dichloroethane	5.00	4.74	4.60	94.8	92.0	70.0-128			3.00	20
Ethylbenzene	5.00	4.67	4.74	93.4	94.8	79.0-123			1.49	20
Methyl tert-butyl ether	5.00	4.43	4.71	88.6	94.2	68.0-125			6.13	20
Naphthalene	5.00	4.79	4.73	95.8	94.6	54.0-135			1.26	20
Toluene	5.00	4.64	4.75	92.8	95.0	79.0-120			2.34	20
Xylenes, Total	15.0	13.6	13.9	90.7	92.7	79.0-123			2.18	20
(S) Toluene-d8				*105*	*110*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*109*	*70.0-130*				

Method Blank (MB)

(MB) R3472513-2 11/15/19 08:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dibromoethane	U		0.381	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	*97.2*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3472513-1 11/15/19 07:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.63	92.6	70.0-123	
1,2-Dibromoethane	5.00	5.54	111	80.0-122	
1,2-Dichloroethane	5.00	5.68	114	70.0-128	
Ethylbenzene	5.00	4.69	93.8	79.0-123	
Methyl tert-butyl ether	5.00	4.72	94.4	68.0-125	
Naphthalene	5.00	4.48	89.6	54.0-135	
Toluene	5.00	5.06	101	79.0-120	
Xylenes, Total	15.0	14.5	96.7	79.0-123	
(S) Toluene-d8			*96.2*	*80.0-120*	
(S) 4-Bromofluorobenzene			*88.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

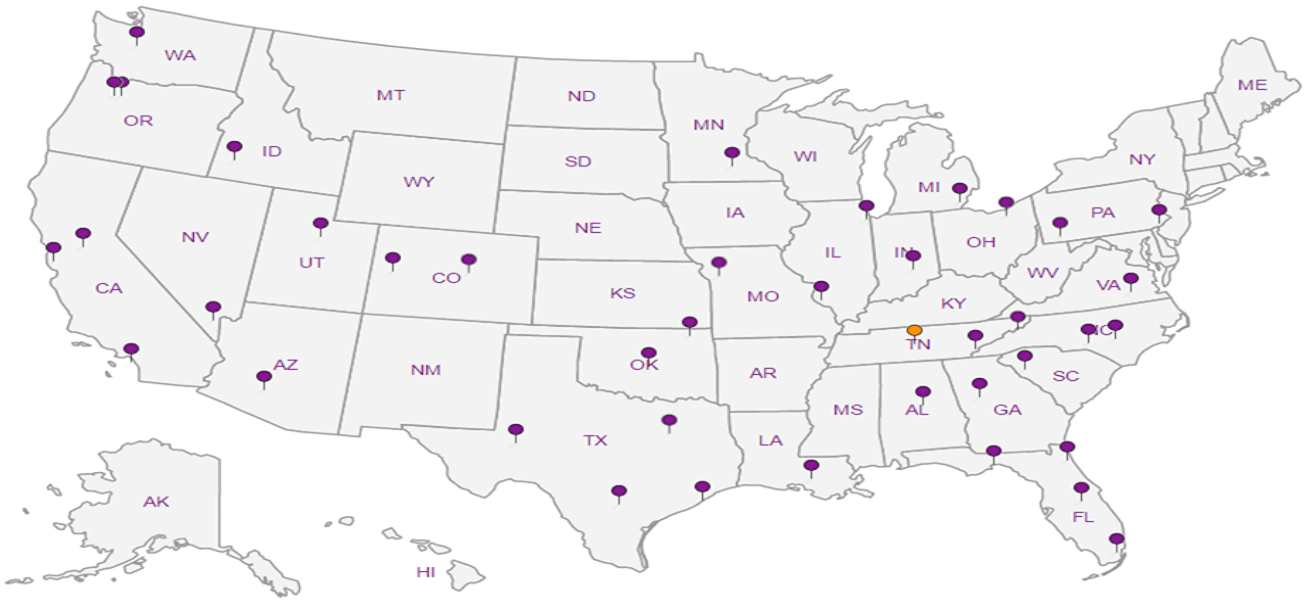
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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

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

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

Report to: Bethany Garvey

Project Description: Lewis Drive Groundwater

City/State Collected:

Phone: 770-604-9182
Fax:

Client Project # D3161400

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): TYLER L. HALL

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	VOC (BTEX, MTBE, Naphthalene, 1,2-DCA ONLY) BY-82608	Remarks	Sample # (lab only)
MW-20-110419	G	GW	15	11-4-19	1055	3						✓		-01
MW-26-110419	G	GW	12		1120	3						✓		02
MW-54-110419		GW	20		1200	3						✓		03
MW-53-110419		GW	17		1210	3						✓		04
MW-52-110419		GW	22		1225	3						✓		05
MW-51-110419		GW	20		1235	3						✓		06
MW-55-110419		GW	25		1355	3						✓		07
MW-36-110419		GW	21		1405	3						✓		08
MW-41-110419		GW	8		1435	3						✓		09
MW-39-110419	↓	GW	8	↓	1450	3						✓		10

* 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 # 1203 5780 4400

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 3.9-3-3.6 °C Bottles Received: 33

Date: 11/5/19 Time: 830

Received by: (Signature)

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature) Date: 11-4-19 Time: 1730

Relinquished by : (Signature) Date: Time:

Relinquished by : (Signature) Date: Time:

Received for lab by: (Signature) Hailey

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

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

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

L# 1156988
F098

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB: 2-20-19G
Shipped Via: FedEX Ground

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
Report to: Bethany Garvey	Email To: bethany.garvey@jacobs.com; tom.wiley@jacobs.com	

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

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

Project Description: Lewis Drive Groundwater		City/State Collected:
Phone: 770-604-9182 Fax:	Client Project # ~~D3H600~~ (TLH)	Lab Project # KINCH2MGA-LEWIS12
Collected by (print): TYLER L. HALL	Site/Facility ID #	P.O. #
Collected by (signature): [signature] Immediately Packed on Ice N ___ Y ✓	*Rush?* (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ✓ 5 Day (Rad Only) ___ Two Day ✓ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed

L # 1156988
Table #
Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB: 2-27-19
Shipped Via: FedEX Ground

Analysis / Container / Preservative

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-Blk~~	VOC (BTEX, MTBE, Naphthalene, 1,2-DCA only) BY 8260B					Remarks	Sample # (lab only)
TB01-110419	LAB	GW	—	LAB	LAB	1						✓						11
FB01-110419	G	GW	—	110419	1540	3						✓						12
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

* 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: _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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCL) / MeoH TBR 1	
[signature]	11-04-19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 3.9-.3=3.6 [illegible] Bottles Received: 33	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/5/19 Time: 830	Hold: / Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 26, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1157731
Samples Received:	11/06/2019
Project Number:	D3161400
Description:	Lewis Drive Groundwater

Report To:

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

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-56-110519 L1157731-01 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 12:20 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 11:20	11/11/19 11:20	BMB	Mt. Juliet, TN

MW-37-110519 L1157731-02 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 14:50 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 11:39	11/11/19 11:39	BMB	Mt. Juliet, TN

MW-57-110519 L1157731-03 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 15:10 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 11:58	11/11/19 11:58	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1380202	20	11/14/19 13:04	11/14/19 13:04	JHH	Mt. Juliet, TN

MW-57-D-110519 L1157731-04 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 15:15 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 12:17	11/11/19 12:17	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1380202	20	11/14/19 13:25	11/14/19 13:25	JHH	Mt. Juliet, TN

MW-38-110519 L1157731-05 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 15:35 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1380202	1	11/14/19 13:45	11/14/19 13:45	JHH	Mt. Juliet, TN

FB01-110519 L1157731-06 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 16:00 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 11:01	11/11/19 11:01	BMB	Mt. Juliet, TN

TB01-110519 L1157731-07 GW

Collected by: Tyler L. Hall | Collected date/time: 11/05/19 00:00 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 10:42	11/11/19 10:42	GLN	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	5.55		1.00	1	11/11/2019 11:20	WG1378515
Toluene	ND		1.00	1	11/11/2019 11:20	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 11:20	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 11:20	WG1378515
Methyl tert-butyl ether	168		1.00	1	11/11/2019 11:20	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 11:20	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 11:20	WG1378515
(S) Toluene-d8	*103*		*80.0-120*		*11/11/2019 11:20*	WG1378515
(S) 4-Bromofluorobenzene	*94.1*		*77.0-126*		*11/11/2019 11:20*	WG1378515
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 11:20*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 11:39	WG1378515
Toluene	ND		1.00	1	11/11/2019 11:39	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 11:39	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 11:39	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 11:39	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 11:39	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 11:39	WG1378515
(S) Toluene-d8	*102*		*80.0-120*		*11/11/2019 11:39*	WG1378515
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*		*11/11/2019 11:39*	WG1378515
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 11:39*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	514		20.0	20	11/14/2019 13:04	WG1380202
Toluene	11.2		1.00	1	11/11/2019 11:58	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 11:58	WG1378515
Total Xylenes	83.5		3.00	1	11/11/2019 11:58	WG1378515
Methyl tert-butyl ether	193		1.00	1	11/11/2019 11:58	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 11:58	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 11:58	WG1378515
(S) Toluene-d8	*102*		*80.0-120*		*11/11/2019 11:58*	WG1378515
(S) Toluene-d8	*99.1*		*80.0-120*		*11/14/2019 13:04*	WG1380202
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*11/11/2019 11:58*	WG1378515
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*11/14/2019 13:04*	WG1380202
(S) 1,2-Dichloroethane-d4	*118*		*70.0-130*		*11/11/2019 11:58*	WG1378515
(S) 1,2-Dichloroethane-d4	*94.2*		*70.0-130*		*11/14/2019 13:04*	WG1380202

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	509		20.0	20	11/14/2019 13:25	WG1380202
Toluene	11.7		1.00	1	11/11/2019 12:17	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 12:17	WG1378515
Total Xylenes	84.1		3.00	1	11/11/2019 12:17	WG1378515
Methyl tert-butyl ether	194		1.00	1	11/11/2019 12:17	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 12:17	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 12:17	WG1378515
(S) Toluene-d8	*104*		*80.0-120*		*11/11/2019 12:17*	WG1378515
(S) Toluene-d8	*100*		*80.0-120*		*11/14/2019 13:25*	WG1380202
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*11/11/2019 12:17*	WG1378515
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*11/14/2019 13:25*	WG1380202
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 12:17*	WG1378515
(S) 1,2-Dichloroethane-d4	*95.3*		*70.0-130*		*11/14/2019 13:25*	WG1380202

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	7.33		1.00	1	11/14/2019 13:45	WG1380202
Toluene	ND		1.00	1	11/14/2019 13:45	WG1380202
Ethylbenzene	ND		1.00	1	11/14/2019 13:45	WG1380202
Total Xylenes	7.01		3.00	1	11/14/2019 13:45	WG1380202
Methyl tert-butyl ether	64.4		1.00	1	11/14/2019 13:45	WG1380202
Naphthalene	ND		5.00	1	11/14/2019 13:45	WG1380202
1,2-Dichloroethane	ND		1.00	1	11/14/2019 13:45	WG1380202
(S) Toluene-d8	*98.6*		*80.0-120*		*11/14/2019 13:45*	WG1380202
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*11/14/2019 13:45*	WG1380202
(S) 1,2-Dichloroethane-d4	*95.4*		*70.0-130*		*11/14/2019 13:45*	WG1380202

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 11:01	WG1378515
Toluene	ND		1.00	1	11/11/2019 11:01	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 11:01	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 11:01	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 11:01	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 11:01	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 11:01	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 11:01*	WG1378515
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*11/11/2019 11:01*	WG1378515
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*11/11/2019 11:01*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 10:42	WG1378515
Toluene	ND		1.00	1	11/11/2019 10:42	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 10:42	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 10:42	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 10:42	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 10:42	WG1378515
1,2-Dichloroethane	ND		1.00	1	11/11/2019 10:42	WG1378515
(S) Toluene-d8	*103*		*80.0-120*		*11/11/2019 10:42*	WG1378515
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*11/11/2019 10:42*	WG1378515
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*11/11/2019 10:42*	WG1378515

Method Blank (MB)

(MB) R3471745-3 11/11/19 09:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

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

(LCS) R3471745-1 11/11/19 08:41 • (LCSD) R3471745-2 11/11/19 09:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.84	4.86	96.8	97.2	70.0-130			0.412	20
1,2-Dichloroethane	5.00	5.79	5.82	116	116	70.0-130			0.517	20
Ethylbenzene	5.00	4.37	4.60	87.4	92.0	70.0-130			5.13	20
Methyl tert-butyl ether	5.00	4.99	4.84	99.8	96.8	70.0-130			3.05	20
Naphthalene	5.00	3.59	3.83	71.8	76.6	70.0-130			6.47	20
Toluene	5.00	4.59	4.72	91.8	94.4	70.0-130			2.79	20
Xylenes, Total	15.0	13.6	13.5	90.7	90.0	70.0-130			0.738	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.7*	*97.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R3472099-2 11/14/19 06:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*95.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3472099-1 11/14/19 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.64	92.8	70.0-130	
1,2-Dichloroethane	5.00	4.65	93.0	70.0-130	
Ethylbenzene	5.00	5.46	109	70.0-130	
Methyl tert-butyl ether	5.00	4.48	89.6	70.0-130	
Naphthalene	5.00	5.24	105	70.0-130	
Toluene	5.00	5.16	103	70.0-130	
Xylenes, Total	15.0	15.9	106	70.0-130	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*97.4*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

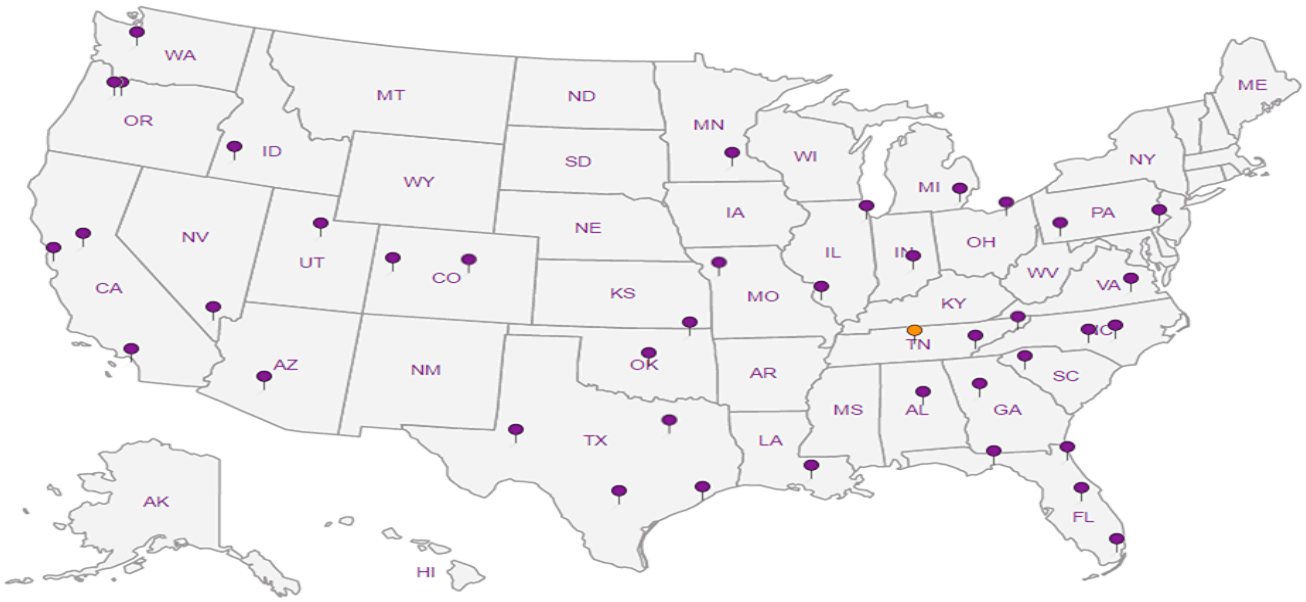
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

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

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

L # L1157731

D233

Collected by (print): TYLER HALL

Site/Facility ID #

P.O. #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Shipped Via: FedEX Ground

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-Blk	VOC (BTEX, MTBE, NAPHTHALENE, +1,2 DCA ONLY) BY 8260				Remarks	Sample # (lab only)
MW-56-110519	G	GW		11-05-19	1220	3						✓					-01
MW-37-110519	↓	GW		↓	1450	↓						✓					02
MW-57-110519	↓	GW		↓	1510	↓						✓					03
MW-57-D-110519	↓	GW		↓	1515	↓						✓					04
MW-38-110519	↓	GW		↓	1535	↓						✓					05
FB01-110519	DI	GW		↓	1600	↓						✓					06
TB01-110519	—	GW		↓	LAB	↓						✓					07
		GW															
		GW															
		GW															

* 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 # 1082599097702

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH, TBR)	
[signature]	11-5-19	1730		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 3.6-.2=3.4 / Bottles Received: 18	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/6/19 Time: 8:45	Hold: / Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 18, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1158446
Samples Received:	11/07/2019
Project Number:	03161400
Description:	Lewis Drive Groundwater

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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.

TABLE OF CONTENTS

MW-40-110619 L1158446-01 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 14:15 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378557	1	11/11/19 15:40	11/11/19 15:40	CMJ	Mt. Juliet, TN

MW-12B-110619 L1158446-02 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 16:30 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378557	1	11/11/19 16:00	11/11/19 16:00	CMJ	Mt. Juliet, TN

MW-15B-110619 L1158446-03 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 17:10 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378557	1	11/11/19 16:20	11/11/19 16:20	CMJ	Mt. Juliet, TN

MW-34-110619 L1158446-04 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 17:20 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378557	1	11/11/19 16:39	11/11/19 16:39	CMJ	Mt. Juliet, TN

FB01-110619 L1158446-05 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 17:40 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378557	1	11/11/19 17:00	11/11/19 17:00	CMJ	Mt. Juliet, TN

TB01-110619 L1158446-06 GW

Collected by: Tyler Hall | Collected date/time: 11/06/19 00:00 | Received date/time: 11/07/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1380656	1	11/15/19 04:28	11/15/19 04:28	JAH	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	10.1		1.00	1	11/11/2019 15:40	WG1378557
Toluene	13.1		1.00	1	11/11/2019 15:40	WG1378557
Ethylbenzene	ND		1.00	1	11/11/2019 15:40	WG1378557
Total Xylenes	21.4		3.00	1	11/11/2019 15:40	WG1378557
Methyl tert-butyl ether	2.67		1.00	1	11/11/2019 15:40	WG1378557
Naphthalene	ND		5.00	1	11/11/2019 15:40	WG1378557
1,2-Dichloroethane	ND		1.00	1	11/11/2019 15:40	WG1378557
(S) Toluene-d8	*92.6*		*80.0-120*		*11/11/2019 15:40*	WG1378557
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*11/11/2019 15:40*	WG1378557
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 15:40*	WG1378557

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.73		1.00	1	11/11/2019 16:00	WG1378557
Toluene	ND		1.00	1	11/11/2019 16:00	WG1378557
Ethylbenzene	ND		1.00	1	11/11/2019 16:00	WG1378557
Total Xylenes	ND		3.00	1	11/11/2019 16:00	WG1378557
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 16:00	WG1378557
Naphthalene	ND		5.00	1	11/11/2019 16:00	WG1378557
1,2-Dichloroethane	ND		1.00	1	11/11/2019 16:00	WG1378557
(S) Toluene-d8	*96.1*		*80.0-120*		*11/11/2019 16:00*	WG1378557
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*11/11/2019 16:00*	WG1378557
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*11/11/2019 16:00*	WG1378557

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	135		1.00	1	11/11/2019 16:20	WG1378557
Toluene	105		1.00	1	11/11/2019 16:20	WG1378557
Ethylbenzene	9.77		1.00	1	11/11/2019 16:20	WG1378557
Total Xylenes	101		3.00	1	11/11/2019 16:20	WG1378557
Methyl tert-butyl ether	8.82		1.00	1	11/11/2019 16:20	WG1378557
Naphthalene	ND		5.00	1	11/11/2019 16:20	WG1378557
1,2-Dichloroethane	ND		1.00	1	11/11/2019 16:20	WG1378557
(S) Toluene-d8	*94.4*		*80.0-120*		*11/11/2019 16:20*	WG1378557
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*11/11/2019 16:20*	WG1378557
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*11/11/2019 16:20*	WG1378557

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	85.5		1.00	1	11/11/2019 16:39	WG1378557
Toluene	ND		1.00	1	11/11/2019 16:39	WG1378557
Ethylbenzene	1.44		1.00	1	11/11/2019 16:39	WG1378557
Total Xylenes	13.9		3.00	1	11/11/2019 16:39	WG1378557
Methyl tert-butyl ether	169		1.00	1	11/11/2019 16:39	WG1378557
Naphthalene	ND		5.00	1	11/11/2019 16:39	WG1378557
1,2-Dichloroethane	ND		1.00	1	11/11/2019 16:39	WG1378557
(S) Toluene-d8	*93.1*		*80.0-120*		*11/11/2019 16:39*	WG1378557
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*11/11/2019 16:39*	WG1378557
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*11/11/2019 16:39*	WG1378557

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 17:00	WG1378557
Toluene	ND		1.00	1	11/11/2019 17:00	WG1378557
Ethylbenzene	ND		1.00	1	11/11/2019 17:00	WG1378557
Total Xylenes	ND		3.00	1	11/11/2019 17:00	WG1378557
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 17:00	WG1378557
Naphthalene	ND		5.00	1	11/11/2019 17:00	WG1378557
1,2-Dichloroethane	ND		1.00	1	11/11/2019 17:00	WG1378557
(S) Toluene-d8	*95.3*		*80.0-120*		*11/11/2019 17:00*	WG1378557
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*11/11/2019 17:00*	WG1378557
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*11/11/2019 17:00*	WG1378557

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/15/2019 04:28	WG1380656
Toluene	ND		1.00	1	11/15/2019 04:28	WG1380656
Ethylbenzene	ND		1.00	1	11/15/2019 04:28	WG1380656
Total Xylenes	ND		3.00	1	11/15/2019 04:28	WG1380656
Methyl tert-butyl ether	ND		1.00	1	11/15/2019 04:28	WG1380656
Naphthalene	ND		5.00	1	11/15/2019 04:28	WG1380656
1,2-Dichloroethane	ND		1.00	1	11/15/2019 04:28	WG1380656
(S) Toluene-d8	*97.6*		*80.0-120*		*11/15/2019 04:28*	WG1380656
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*11/15/2019 04:28*	WG1380656
(S) 1,2-Dichloroethane-d4	*90.6*		*70.0-130*		*11/15/2019 04:28*	WG1380656

Method Blank (MB)

(MB) R3472119-2 11/11/19 11:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*95.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3472119-1 11/11/19 10:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.56	91.2	70.0-130	
1,2-Dichloroethane	5.00	5.44	109	70.0-130	
Ethylbenzene	5.00	4.13	82.6	70.0-130	
Methyl tert-butyl ether	5.00	4.67	93.4	70.0-130	
Naphthalene	5.00	4.95	99.0	70.0-130	
Toluene	5.00	4.18	83.6	70.0-130	
Xylenes, Total	15.0	13.5	90.0	70.0-130	
(S) Toluene-d8			*93.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3472494-2 11/15/19 04:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*99.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3472494-1 11/15/19 03:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.23	84.6	70.0-130	
1,2-Dichloroethane	5.00	4.26	85.2	70.0-130	
Ethylbenzene	5.00	5.03	101	70.0-130	
Methyl tert-butyl ether	5.00	4.30	86.0	70.0-130	
Naphthalene	5.00	4.65	93.0	70.0-130	
Toluene	5.00	4.70	94.0	70.0-130	
Xylenes, Total	15.0	15.0	100	70.0-130	
(S) Toluene-d8			*98.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*92.1*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

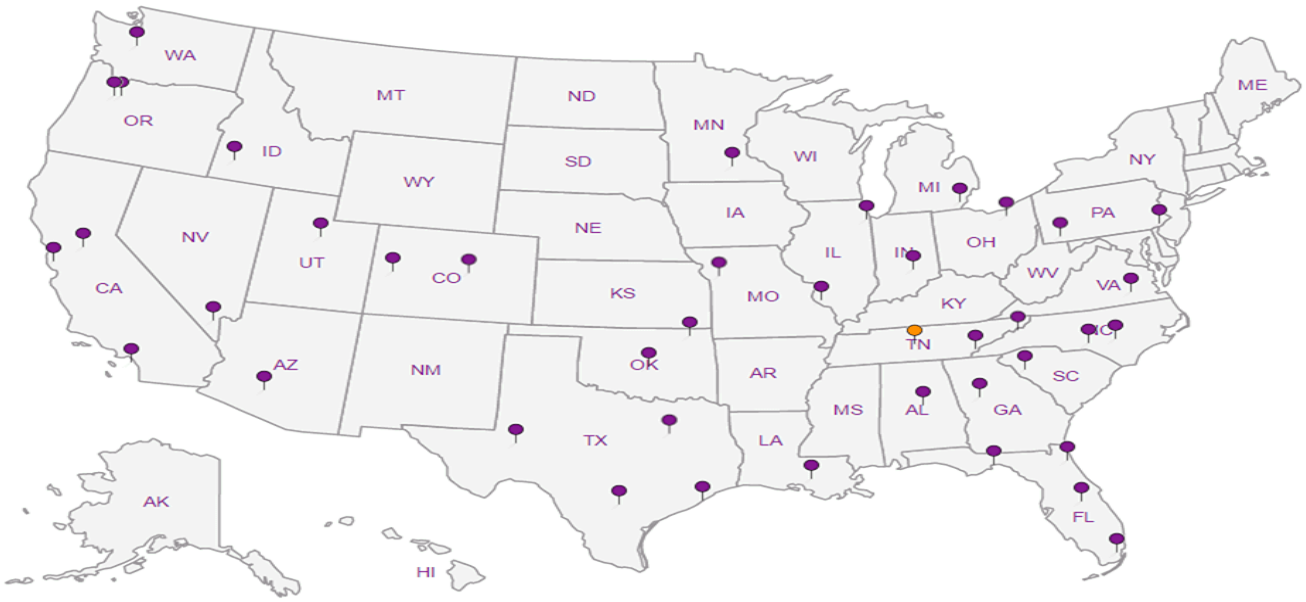
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
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: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 03161400

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): TYLER HAM

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	VOCs (BTEX, MTBE, N-phthalene + 1,2 DCA only) by 8260B					Remarks	Sample # (lab only)
MW-40-110619	G	GW		11-06-19	1415	3						✓						-01
MW-12B-110619		GW			1630	3						✓						-02
MW-15B-110619		GW			1710	3						✓						-03
MW-34-110619		GW			1720	3						✓						-04
FB01-110619		GW			1740	3						✓						-05
TB01-110619		GW			LMB	1						✓						-06
		GW																
		GW																
		GW																
		GW																

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

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

L# 1158446

A154

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P695785

TSR: 526 - Chris McCord

PB: 2-27-19G

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 _____

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11-06-19	1830			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				2.5/1.2/2.6 15	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			JSA	11-07 0830	

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 19, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1158645
Samples Received:	11/08/2019
Project Number:	D3161400
Description:	Lewis Drive Groundwater

Report To:

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

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-17B-110719 L1158645-01 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 10:00 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379267	500	11/13/19 00:30	11/13/19 00:30	JHH	Mt. Juliet, TN

MW-46-110719 L1158645-02 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 10:50 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1382622	5	11/19/19 00:09	11/19/19 00:09	DWR	Mt. Juliet, TN

MW-23-110719 L1158645-03 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 11:20 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1382622	20	11/19/19 00:28	11/19/19 00:28	DWR	Mt. Juliet, TN

MW-23-D-1107196 L1158645-04 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 11:25 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1382622	20	11/19/19 00:47	11/19/19 00:47	DWR	Mt. Juliet, TN

FB01-110719 L1158645-05 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 13:05 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379267	1	11/12/19 20:44	11/12/19 20:44	JHH	Mt. Juliet, TN

TB01-110719 L1158645-06 GW

Collected by: Tyler Hall | Collected date/time: 11/07/19 00:00 | Received date/time: 11/08/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1379267	1	11/12/19 21:04	11/12/19 21:04	JHH	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	7080		500	500	11/13/2019 00:30	WG1379267
Toluene	8130		500	500	11/13/2019 00:30	WG1379267
Ethylbenzene	1080		500	500	11/13/2019 00:30	WG1379267
Total Xylenes	6130		1500	500	11/13/2019 00:30	WG1379267
Methyl tert-butyl ether	ND		500	500	11/13/2019 00:30	WG1379267
Naphthalene	ND		2500	500	11/13/2019 00:30	WG1379267
1,2-Dichloroethane	ND		500	500	11/13/2019 00:30	WG1379267
(S) Toluene-d8	*96.4*		*80.0-120*		*11/13/2019 00:30*	WG1379267
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*11/13/2019 00:30*	WG1379267
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*11/13/2019 00:30*	WG1379267

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	136		5.00	5	11/19/2019 00:09	WG1382622
Toluene	ND		5.00	5	11/19/2019 00:09	WG1382622
Ethylbenzene	ND		5.00	5	11/19/2019 00:09	WG1382622
Total Xylenes	18.8		15.0	5	11/19/2019 00:09	WG1382622
Methyl tert-butyl ether	158		5.00	5	11/19/2019 00:09	WG1382622
Naphthalene	ND		25.0	5	11/19/2019 00:09	WG1382622
1,2-Dichloroethane	ND		5.00	5	11/19/2019 00:09	WG1382622
(S) Toluene-d8	*108*		*80.0-120*		*11/19/2019 00:09*	WG1382622
(S) 4-Bromofluorobenzene	*99.3*		*77.0-126*		*11/19/2019 00:09*	WG1382622
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*11/19/2019 00:09*	WG1382622

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1200		20.0	20	11/19/2019 00:28	WG1382622
Toluene	94.1		20.0	20	11/19/2019 00:28	WG1382622
Ethylbenzene	ND		20.0	20	11/19/2019 00:28	WG1382622
Total Xylenes	481		60.0	20	11/19/2019 00:28	WG1382622
Methyl tert-butyl ether	41.7		20.0	20	11/19/2019 00:28	WG1382622
Naphthalene	ND		100	20	11/19/2019 00:28	WG1382622
1,2-Dichloroethane	ND		20.0	20	11/19/2019 00:28	WG1382622
(S) Toluene-d8	*107*		*80.0-120*		*11/19/2019 00:28*	WG1382622
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*11/19/2019 00:28*	WG1382622
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*11/19/2019 00:28*	WG1382622

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1140		20.0	20	11/19/2019 00:47	WG1382622
Toluene	89.3		20.0	20	11/19/2019 00:47	WG1382622
Ethylbenzene	ND		20.0	20	11/19/2019 00:47	WG1382622
Total Xylenes	482		60.0	20	11/19/2019 00:47	WG1382622
Methyl tert-butyl ether	32.8		20.0	20	11/19/2019 00:47	WG1382622
Naphthalene	ND		100	20	11/19/2019 00:47	WG1382622
1,2-Dichloroethane	ND		20.0	20	11/19/2019 00:47	WG1382622
(S) Toluene-d8	*108*		*80.0-120*		*11/19/2019 00:47*	WG1382622
(S) 4-Bromofluorobenzene	*98.2*		*77.0-126*		*11/19/2019 00:47*	WG1382622
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*11/19/2019 00:47*	WG1382622

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/12/2019 20:44	WG1379267
Toluene	ND		1.00	1	11/12/2019 20:44	WG1379267
Ethylbenzene	ND		1.00	1	11/12/2019 20:44	WG1379267
Total Xylenes	ND		3.00	1	11/12/2019 20:44	WG1379267
Methyl tert-butyl ether	ND		1.00	1	11/12/2019 20:44	WG1379267
Naphthalene	ND		5.00	1	11/12/2019 20:44	WG1379267
1,2-Dichloroethane	ND		1.00	1	11/12/2019 20:44	WG1379267
(S) Toluene-d8	*95.2*		*80.0-120*		*11/12/2019 20:44*	WG1379267
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*11/12/2019 20:44*	WG1379267
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*11/12/2019 20:44*	WG1379267

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/12/2019 21:04	WG1379267
Toluene	ND		1.00	1	11/12/2019 21:04	WG1379267
Ethylbenzene	ND		1.00	1	11/12/2019 21:04	WG1379267
Total Xylenes	ND		3.00	1	11/12/2019 21:04	WG1379267
Methyl tert-butyl ether	ND		1.00	1	11/12/2019 21:04	WG1379267
Naphthalene	ND		5.00	1	11/12/2019 21:04	WG1379267
1,2-Dichloroethane	ND		1.00	1	11/12/2019 21:04	WG1379267
(S) Toluene-d8	*92.8*		*80.0-120*		*11/12/2019 21:04*	WG1379267
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*11/12/2019 21:04*	WG1379267
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*11/12/2019 21:04*	WG1379267

Method Blank (MB)

(MB) R3473212-2 11/12/19 20:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*93.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3473212-1 11/12/19 19:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.94	98.8	70.0-130	
1,2-Dichloroethane	5.00	5.37	107	70.0-130	
Ethylbenzene	5.00	4.41	88.2	70.0-130	
Methyl tert-butyl ether	5.00	4.67	93.4	70.0-130	
Naphthalene	5.00	4.94	98.8	70.0-130	
Toluene	5.00	4.49	89.8	70.0-130	
Xylenes, Total	15.0	14.2	94.7	70.0-130	
(S) Toluene-d8			*92.5*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3473473-2 11/18/19 17:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3473473-1 11/18/19 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.13	103	70.0-130	
1,2-Dichloroethane	5.00	5.52	110	70.0-130	
Ethylbenzene	5.00	5.15	103	70.0-130	
Methyl tert-butyl ether	5.00	5.25	105	70.0-130	
Naphthalene	5.00	4.58	91.6	70.0-130	
Toluene	5.00	5.23	105	70.0-130	
Xylenes, Total	15.0	15.6	104	70.0-130	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

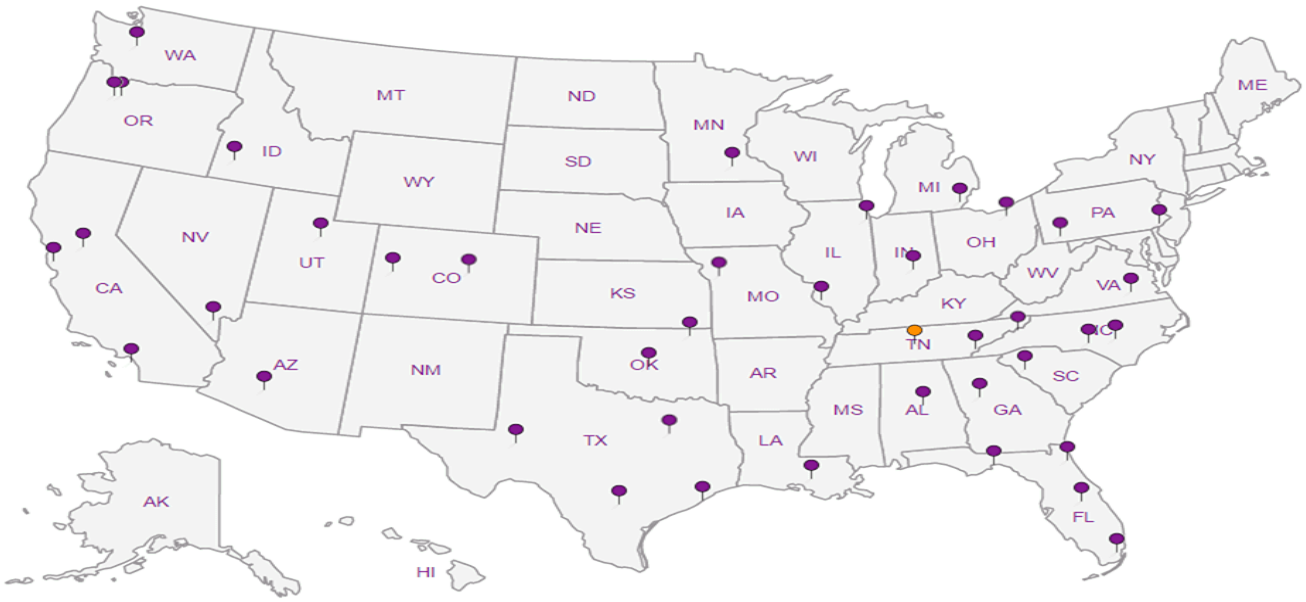
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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

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

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

Report to: Bethany Garvey

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): J. HALL

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

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-Blk	BY 8260B VOC(BTEX, MTBE, Naphthalene, +1,2 DCA only)	Remarks	Sample # (lab only)
MW-17B-110719	G	GW		11-7-19	1000	3						✓		-01
MW-46-110719		GW			1050	3						✓		-02
MW-23-110719		GW			1120	3						✓		-03
MW-23-D-110719		GW			1125	3						✓		-04
FB01-110719		GW			1305	3						✓		-05
TB01-110719	↓	GW		↓	LABS	1								-06
		GW												
		GW												
		GW												
		GW												

* 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 # 8120 8021 7449

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 1.8-1.9°C Bottles Received: 15

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	11-7-19	1600	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			11-8-19 8:45

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

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

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

L# 1158645
M237

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB: 2-27-19 6
Shipped Via: FedEX Ground

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 26, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1172185
Samples Received:	12/18/2019
Project Number:	D3159800
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

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

MW-29-121719 L1172185-01 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 12:25 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 09:11	12/19/19 09:11	TJJ	Mt. Juliet, TN

MW-20-121719 L1172185-02 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 12:40 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	100	12/19/19 09:29	12/19/19 09:29	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401844	200	12/24/19 10:56	12/24/19 10:56	JHH	Mt. Juliet, TN

MW-26-121719 L1172185-03 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 12:55 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 09:48	12/19/19 09:48	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401844	1	12/24/19 11:18	12/24/19 11:18	JHH	Mt. Juliet, TN

MW-26B-121719 L1172185-04 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:00 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 10:07	12/19/19 10:07	TJJ	Mt. Juliet, TN

MW-23B-121719 L1172185-05 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:15 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 10:26	12/19/19 10:26	TJJ	Mt. Juliet, TN

MW-45B-121719 L1172185-06 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:30 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 10:45	12/19/19 10:45	TJJ	Mt. Juliet, TN

MW-21-121719 L1172185-07 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:40 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 11:03	12/19/19 11:03	TJJ	Mt. Juliet, TN

MW-19-121719 L1172185-08 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 14:30 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 11:22	12/19/19 11:22	TJJ	Mt. Juliet, TN

MW-44B-121719 L1172185-09 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:00 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 11:40	12/19/19 11:40	TJJ	Mt. Juliet, TN

MW-01-121719 L1172185-10 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:10 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 11:59	12/19/19 11:59	TJJ	Mt. Juliet, TN

MW-01B-121719 L1172185-11 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:15 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 12:18	12/19/19 12:18	TJJ	Mt. Juliet, TN

MW-27B-121719 L1172185-12 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:30 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 12:36	12/19/19 12:36	TJJ	Mt. Juliet, TN

MW-12-121719 L1172185-13 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:45 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 12:55	12/19/19 12:55	TJJ	Mt. Juliet, TN

MW-35-121719 L1172185-14 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 16:05 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 13:14	12/19/19 13:14	TJJ	Mt. Juliet, TN

FB01-121719 L1172185-15 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 16:25 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 08:52	12/19/19 08:52	TJJ	Mt. Juliet, TN

TB01-121719 L1172185-16 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 00:00 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 08:33	12/19/19 08:33	TJJ	Mt. Juliet, TN

MW-49-121719 L1172185-17 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 16:10 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 13:33	12/19/19 13:33	TJJ	Mt. Juliet, TN

MW-56-121719 L1172185-18 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 15:55 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1399709	100	12/20/19 09:32	12/20/19 09:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 13:52	12/19/19 13:52	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401844	5	12/24/19 11:40	12/24/19 11:40	JHH	Mt. Juliet, TN

MW-57-D-121719 L1172185-19 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:35 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1399709	5	12/20/19 01:04	12/20/19 01:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 14:11	12/19/19 14:11	TJJ	Mt. Juliet, TN

MW-57-121719 L1172185-20 GW

Collected by: Melissa Warren | Collected date/time: 12/17/19 13:30 | Received date/time: 12/18/19 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1399709	5	12/20/19 01:20	12/20/19 01:20	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1399279	1	12/19/19 14:30	12/19/19 14:30	TJJ	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 09:11	WG1399279
Toluene	ND		1.00	1	12/19/2019 09:11	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 09:11	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 09:11	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 09:11	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 09:11	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 09:11	WG1399279
(S) Toluene-d8	*105*		*80.0-120*		*12/19/2019 09:11*	WG1399279
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*		*12/19/2019 09:11*	WG1399279
(S) 1,2-Dichloroethane-d4	*85.6*		*70.0-130*		*12/19/2019 09:11*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9710		100	100	12/19/2019 09:29	WG1399279
Toluene	28500		200	200	12/24/2019 10:56	WG1401844
Ethylbenzene	1600		100	100	12/19/2019 09:29	WG1399279
Total Xylenes	10000		300	100	12/19/2019 09:29	WG1399279
Methyl tert-butyl ether	ND		100	100	12/19/2019 09:29	WG1399279
Naphthalene	ND		500	100	12/19/2019 09:29	WG1399279
1,2-Dichloroethane	ND		100	100	12/19/2019 09:29	WG1399279
(S) Toluene-d8	*104*		*80.0-120*		*12/19/2019 09:29*	WG1399279
(S) Toluene-d8	*97.0*		*80.0-120*		*12/24/2019 10:56*	WG1401844
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*12/19/2019 09:29*	WG1399279
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*12/24/2019 10:56*	WG1401844
(S) 1,2-Dichloroethane-d4	*87.1*		*70.0-130*		*12/19/2019 09:29*	WG1399279
(S) 1,2-Dichloroethane-d4	*89.9*		*70.0-130*		*12/24/2019 10:56*	WG1401844

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 09:48	WG1399279
Toluene	ND		1.00	1	12/24/2019 11:18	WG1401844
Ethylbenzene	ND		1.00	1	12/19/2019 09:48	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 09:48	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 09:48	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 09:48	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 09:48	WG1399279
(S) Toluene-d8	*104*		*80.0-120*		*12/19/2019 09:48*	WG1399279
(S) Toluene-d8	*96.3*		*80.0-120*		*12/24/2019 11:18*	WG1401844
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*		*12/19/2019 09:48*	WG1399279
(S) 4-Bromofluorobenzene	*92.5*		*77.0-126*		*12/24/2019 11:18*	WG1401844
(S) 1,2-Dichloroethane-d4	*85.8*		*70.0-130*		*12/19/2019 09:48*	WG1399279
(S) 1,2-Dichloroethane-d4	*99.3*		*70.0-130*		*12/24/2019 11:18*	WG1401844

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 10:07	WG1399279
Toluene	ND		1.00	1	12/19/2019 10:07	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 10:07	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 10:07	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 10:07	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 10:07	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 10:07	WG1399279
(S) Toluene-d8	*102*		*80.0-120*		*12/19/2019 10:07*	WG1399279
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*12/19/2019 10:07*	WG1399279
(S) 1,2-Dichloroethane-d4	*87.6*		*70.0-130*		*12/19/2019 10:07*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 10:26	WG1399279
Toluene	ND		1.00	1	12/19/2019 10:26	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 10:26	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 10:26	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 10:26	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 10:26	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 10:26	WG1399279
(S) Toluene-d8	*104*		*80.0-120*		*12/19/2019 10:26*	WG1399279
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*12/19/2019 10:26*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.1*		*70.0-130*		*12/19/2019 10:26*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 10:45	WG1399279
Toluene	ND		1.00	1	12/19/2019 10:45	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 10:45	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 10:45	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 10:45	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 10:45	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 10:45	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 10:45*	WG1399279
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*12/19/2019 10:45*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.2*		*70.0-130*		*12/19/2019 10:45*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 11:03	WG1399279
Toluene	ND		1.00	1	12/19/2019 11:03	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 11:03	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 11:03	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 11:03	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 11:03	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 11:03	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 11:03*	WG1399279
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*12/19/2019 11:03*	WG1399279
(S) 1,2-Dichloroethane-d4	*87.8*		*70.0-130*		*12/19/2019 11:03*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 11:22	WG1399279
Toluene	6.08		1.00	1	12/19/2019 11:22	WG1399279
Ethylbenzene	1.23		1.00	1	12/19/2019 11:22	WG1399279
Total Xylenes	56.1		3.00	1	12/19/2019 11:22	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 11:22	WG1399279
Naphthalene	13.1		5.00	1	12/19/2019 11:22	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 11:22	WG1399279
(S) Toluene-d8	*106*		*80.0-120*		*12/19/2019 11:22*	WG1399279
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*12/19/2019 11:22*	WG1399279
(S) 1,2-Dichloroethane-d4	*72.9*		*70.0-130*		*12/19/2019 11:22*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 11:40	WG1399279
Toluene	ND		1.00	1	12/19/2019 11:40	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 11:40	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 11:40	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 11:40	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 11:40	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 11:40	WG1399279
(S) Toluene-d8	*104*		*80.0-120*		*12/19/2019 11:40*	WG1399279
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*12/19/2019 11:40*	WG1399279
(S) 1,2-Dichloroethane-d4	*85.3*		*70.0-130*		*12/19/2019 11:40*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 11:59	WG1399279
Toluene	ND		1.00	1	12/19/2019 11:59	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 11:59	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 11:59	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 11:59	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 11:59	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 11:59	WG1399279
(S) Toluene-d8	*101*		*80.0-120*		*12/19/2019 11:59*	WG1399279
(S) 4-Bromofluorobenzene	*97.3*		*77.0-126*		*12/19/2019 11:59*	WG1399279
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/19/2019 11:59*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.29		1.00	1	12/19/2019 12:18	WG1399279
Toluene	ND		1.00	1	12/19/2019 12:18	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 12:18	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 12:18	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 12:18	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 12:18	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 12:18	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 12:18*	WG1399279
(S) 4-Bromofluorobenzene	*97.0*		*77.0-126*		*12/19/2019 12:18*	WG1399279
(S) 1,2-Dichloroethane-d4	*88.0*		*70.0-130*		*12/19/2019 12:18*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 12:36	WG1399279
Toluene	4.27		1.00	1	12/19/2019 12:36	WG1399279
Ethylbenzene	2.35		1.00	1	12/19/2019 12:36	WG1399279
Total Xylenes	18.4		3.00	1	12/19/2019 12:36	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 12:36	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 12:36	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 12:36	WG1399279
(S) Toluene-d8	*101*		*80.0-120*		*12/19/2019 12:36*	WG1399279
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*		*12/19/2019 12:36*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.9*		*70.0-130*		*12/19/2019 12:36*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 12:55	WG1399279
Toluene	ND		1.00	1	12/19/2019 12:55	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 12:55	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 12:55	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 12:55	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 12:55	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 12:55	WG1399279
(S) Toluene-d8	*104*		*80.0-120*		*12/19/2019 12:55*	WG1399279
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*12/19/2019 12:55*	WG1399279
(S) 1,2-Dichloroethane-d4	*84.6*		*70.0-130*		*12/19/2019 12:55*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 13:14	WG1399279
Toluene	ND		1.00	1	12/19/2019 13:14	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 13:14	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 13:14	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 13:14	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 13:14	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 13:14	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 13:14*	WG1399279
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*12/19/2019 13:14*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.8*		*70.0-130*		*12/19/2019 13:14*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 08:52	WG1399279
Toluene	ND		1.00	1	12/19/2019 08:52	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 08:52	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 08:52	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 08:52	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 08:52	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 08:52	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 08:52*	WG1399279
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*12/19/2019 08:52*	WG1399279
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*12/19/2019 08:52*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 08:33	WG1399279
Toluene	ND		1.00	1	12/19/2019 08:33	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 08:33	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 08:33	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 08:33	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 08:33	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 08:33	WG1399279
(S) Toluene-d8	*106*		*80.0-120*		*12/19/2019 08:33*	WG1399279
(S) 4-Bromofluorobenzene	*94.0*		*77.0-126*		*12/19/2019 08:33*	WG1399279
(S) 1,2-Dichloroethane-d4	*85.6*		*70.0-130*		*12/19/2019 08:33*	WG1399279

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/19/2019 13:33	WG1399279
Toluene	ND		1.00	1	12/19/2019 13:33	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 13:33	WG1399279
Total Xylenes	ND		3.00	1	12/19/2019 13:33	WG1399279
Methyl tert-butyl ether	ND		1.00	1	12/19/2019 13:33	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 13:33	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 13:33	WG1399279
(S) Toluene-d8	*105*		*80.0-120*		*12/19/2019 13:33*	WG1399279
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*12/19/2019 13:33*	WG1399279
(S) 1,2-Dichloroethane-d4	*87.9*		*70.0-130*		*12/19/2019 13:33*	WG1399279

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		500000	100	12/20/2019 09:32	WG1399709

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	84.3		1.00	1	12/19/2019 13:52	WG1399279
Toluene	1.13		1.00	1	12/19/2019 13:52	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 13:52	WG1399279
Total Xylenes	33.6		3.00	1	12/19/2019 13:52	WG1399279
Methyl tert-butyl ether	141		5.00	5	12/24/2019 11:40	WG1401844
Naphthalene	ND		5.00	1	12/19/2019 13:52	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 13:52	WG1399279
(S) Toluene-d8	*101*		*80.0-120*		*12/19/2019 13:52*	WG1399279
(S) Toluene-d8	*92.6*		*80.0-120*		*12/24/2019 11:40*	WG1401844
(S) 4-Bromofluorobenzene	*94.8*		*77.0-126*		*12/19/2019 13:52*	WG1399279
(S) 4-Bromofluorobenzene	*92.8*		*77.0-126*		*12/24/2019 11:40*	WG1401844
(S) 1,2-Dichloroethane-d4	*86.6*		*70.0-130*		*12/19/2019 13:52*	WG1399279
(S) 1,2-Dichloroethane-d4	*97.1*		*70.0-130*		*12/24/2019 11:40*	WG1401844

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	271000		25000	5	12/20/2019 01:04	WG1399709

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	170		1.00	1	12/19/2019 14:11	WG1399279
Toluene	2.06		1.00	1	12/19/2019 14:11	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 14:11	WG1399279
Total Xylenes	13.3		3.00	1	12/19/2019 14:11	WG1399279
Methyl tert-butyl ether	113		1.00	1	12/19/2019 14:11	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 14:11	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 14:11	WG1399279
(S) Toluene-d8	*102*		*80.0-120*		*12/19/2019 14:11*	WG1399279
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*12/19/2019 14:11*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.9*		*70.0-130*		*12/19/2019 14:11*	WG1399279

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	273000		25000	5	12/20/2019 01:20	WG1399709

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	154		1.00	1	12/19/2019 14:30	WG1399279
Toluene	1.85		1.00	1	12/19/2019 14:30	WG1399279
Ethylbenzene	ND		1.00	1	12/19/2019 14:30	WG1399279
Total Xylenes	11.5		3.00	1	12/19/2019 14:30	WG1399279
Methyl tert-butyl ether	108		1.00	1	12/19/2019 14:30	WG1399279
Naphthalene	ND		5.00	1	12/19/2019 14:30	WG1399279
1,2-Dichloroethane	ND		1.00	1	12/19/2019 14:30	WG1399279
(S) Toluene-d8	*103*		*80.0-120*		*12/19/2019 14:30*	WG1399279
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*12/19/2019 14:30*	WG1399279
(S) 1,2-Dichloroethane-d4	*86.7*		*70.0-130*		*12/19/2019 14:30*	WG1399279

Method Blank (MB)

(MB) R3484505-1 12/19/19 17:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		77.4	5000

L1171844-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1171844-01 12/19/19 21:47 • (DUP) R3484505-3 12/19/19 22:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	19700	19700	1	0.0705		15

L1172201-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1172201-01 12/20/19 01:37 • (DUP) R3484505-5 12/20/19 01:53

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	ND	357	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3484505-2 12/19/19 17:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39500	98.8	80.0-120	

L1171844-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1171844-01 12/19/19 21:47 • (MS) R3484505-4 12/19/19 22:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	19700	70700	102	1	80.0-120	

L1172201-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1172201-01 12/20/19 01:37 • (MS) R3484505-6 12/20/19 02:10 • (MSD) R3484505-7 12/20/19 02:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	ND	49300	49300	97.9	97.8	1	80.0-120			0.115	15

Method Blank (MB)

(MB) R3485401-2 12/19/19 08:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*95.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*87.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485401-1 12/19/19 07:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.79	116	70.0-130	
1,2-Dichloroethane	5.00	4.85	97.0	70.0-130	
Ethylbenzene	5.00	5.82	116	70.0-130	
Methyl tert-butyl ether	5.00	5.78	116	70.0-130	
Naphthalene	5.00	6.01	120	70.0-130	
Toluene	5.00	5.77	115	70.0-130	
Xylenes, Total	15.0	17.9	119	70.0-130	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*89.9*	*70.0-130*	

Method Blank (MB)

(MB) R3485880-2 12/24/19 09:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Toluene	U		0.412	1.00
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485880-1 12/24/19 09:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	5.00	4.02	80.4	70.0-130	
Toluene	5.00	4.76	95.2	70.0-130	
(S) Toluene-d8			*96.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.6*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

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

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

State Accreditations

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

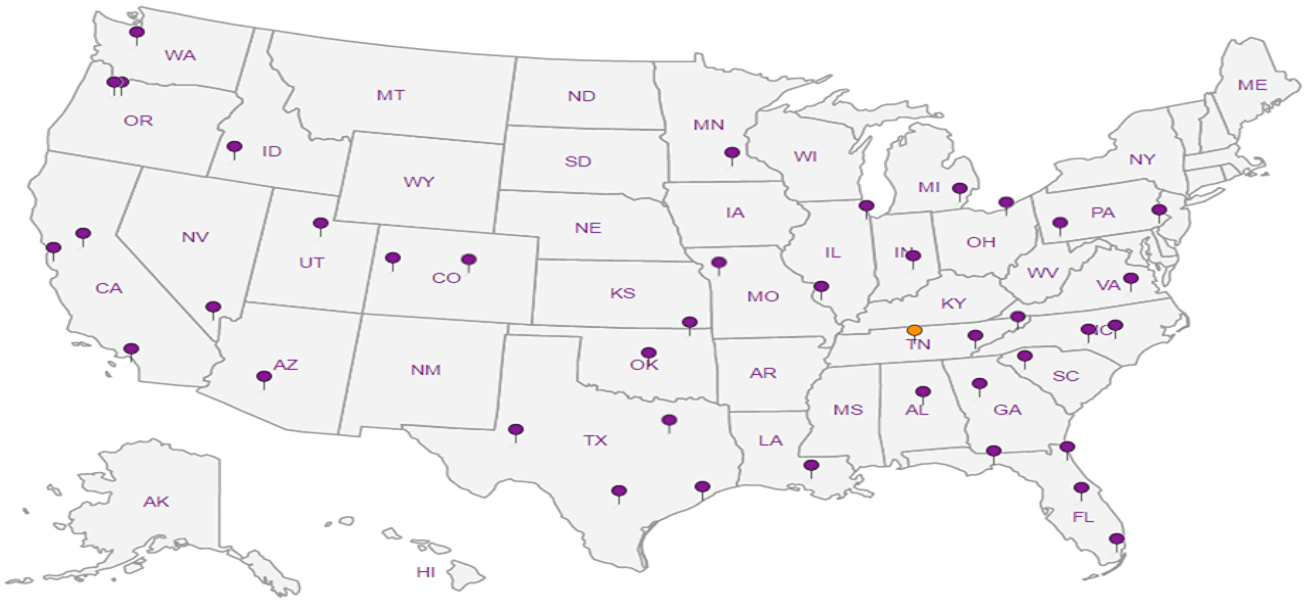
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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

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 # D3159800 B.PN.GEN.LDDR.02

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARNER

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	SULFATE 125mL HDPE-NoPres					Remarks	Sample # (lab only)
										Y								
MW-29-121719	GRAB	GW	NA	12/17/19	1225	3				X								01
MW-20-121719		GW			1240					X							SHEEN DILUTE	02
MW-26-121719		GW			1255					X								03
MW-26B-121719		GW			1300					X								04
MW-23B-121719		GW			1315					X								05
MW-45B-121719		GW			1330					X								06
MW-21-121719		GW			1340					X								07
MW-19-121719		GW			1430					X								08
MW-44B-121719		GW			1500					X								09
MW-01-121719		GW			1510					X								10

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

L# 117285

H084

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.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1382 4807 4465

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

RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	12/17/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				0.3+.2=0.5 #3 60	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
				12-18-19 1000	

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

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 # D3159800 B.PN.GEN.CDAM.02

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA NARDEN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Pres Chk

Analysis / Container / Preservative

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-Blk	SULFATE - 125mL HDPE-NoPres				Remarks	Sample # (lab only)
										X	X	X					
MW-01B-121719	GRAB	GW	NA	12/17/19	1515	3				X							11
MW-27B-121719		GW			1530	3				X							12
MW-12-121719		GW			1545	3				X							13
MW-35-121719		GW			1605	3				X							14
FB01-121719		GW			1625	3				X							15
TB01-121719		GW			NO TIME	1					X					TRIP BLANK	16
MW-49-121719		GW			1610	3				X							17
MW-56-121719		GW			1555	4				X		X					18
MW-57-D-121719		GW			1335	4				X		X					19
MW-57-121719		GW			1330	4				X		X					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 # 782480244645

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	12/17/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 0.3+2=0.5 CB 60	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-18-19 Time: 10:20	Hold: Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 117216
Table #
Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB: 2-27-19
Shipped Via: FedEX Ground

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 26, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1172707
Samples Received:	12/19/2019
Project Number:	D3159800 B.PN.GEN.LD
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

MW-08-121819 L1172707-01 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:15 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 22:23	12/20/19 22:23	BMB	Mt. Juliet, TN

MW-16-121819 L1172707-02 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:25 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 22:42	12/20/19 22:42	BMB	Mt. Juliet, TN

MW-04-121819 L1172707-03 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:15 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 23:02	12/20/19 23:02	BMB	Mt. Juliet, TN

MW-03-121819 L1172707-04 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:20 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 23:21	12/20/19 23:21	BMB	Mt. Juliet, TN

MW-32-121819 L1172707-05 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:30 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 23:40	12/20/19 23:40	BMB	Mt. Juliet, TN

MW-02-121819 L1172707-06 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:45 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 23:59	12/20/19 23:59	BMB	Mt. Juliet, TN

MW-02B-121819 L1172707-07 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:50 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 00:18	12/21/19 00:18	BMB	Mt. Juliet, TN

MW-10-121819 L1172707-08 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 11:05 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 00:37	12/21/19 00:37	BMB	Mt. Juliet, TN

MW-18-121819 L1172707-09 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 13:50 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 00:56	12/21/19 00:56	BMB	Mt. Juliet, TN

MW-05-121819 L1172707-10 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:10 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 01:14	12/21/19 01:14	BMB	Mt. Juliet, TN

MW-27-121819 L1172707-11 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:30 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 01:34	12/21/19 01:34	BMB	Mt. Juliet, TN

MW-27-D-121819 L1172707-12 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:35 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/21/19 01:53	12/21/19 01:53	BMB	Mt. Juliet, TN

MW-22-121819 L1172707-13 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:55 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 13:20	12/21/19 13:20	WDK	Mt. Juliet, TN

FB02-121819 L1172707-14 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 16:10 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 22:04	12/20/19 22:04	BMB	Mt. Juliet, TN

TB02-121819 L1172707-15 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 00:00 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400559	1	12/20/19 21:45	12/20/19 21:45	BMB	Mt. Juliet, TN

MW-15-121819 L1172707-16 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:40 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 13:40	12/21/19 13:40	WDK	Mt. Juliet, TN

MW-43B-121819 L1172707-17 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 14:20 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 14:01	12/21/19 14:01	WDK	Mt. Juliet, TN

MW-43-121819 L1172707-18 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 14:10 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 14:21	12/21/19 14:21	WDK	Mt. Juliet, TN

MW-24-121819 L1172707-19 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 13:40 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 14:42	12/21/19 14:42	WDK	Mt. Juliet, TN

MW-24B-121819 L1172707-20 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 13:30 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400826	1	12/21/19 15:02	12/21/19 15:02	WDK	Mt. Juliet, TN

MW-36-121819 L1172707-21 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 14:45 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 11:38	12/21/19 11:38	TJJ	Mt. Juliet, TN

MW-13B-121819 L1172707-22 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:30 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 11:57	12/21/19 11:57	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401850	5	12/24/19 12:02	12/24/19 12:02	JHH	Mt. Juliet, TN

MW-31-121819 L1172707-23 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:30 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 12:17	12/21/19 12:17	TJJ	Mt. Juliet, TN

MW-33T-121819 L1172707-24 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:45 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 12:36	12/21/19 12:36	TJJ	Mt. Juliet, TN

MW-50B-121819 L1172707-25 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:15 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 12:55	12/21/19 12:55	TJJ	Mt. Juliet, TN

MW-09-121819 L1172707-26 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 12:50 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 13:14	12/21/19 13:14	TJJ	Mt. Juliet, TN

MW-47-121819 L1172707-27 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:15 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 13:33	12/21/19 13:33	TJJ	Mt. Juliet, TN

MW-36B-121819 L1172707-28 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 14:50 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 13:52	12/21/19 13:52	TJJ	Mt. Juliet, TN

MW-48B-121819 L1172707-29 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:00 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 14:11	12/21/19 14:11	TJJ	Mt. Juliet, TN

MW-39-121819 L1172707-30 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 15:40 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 14:30	12/21/19 14:30	TJJ	Mt. Juliet, TN

MW-09B-121819 L1172707-31 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 12:55 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 14:49	12/21/19 14:49	TJJ	Mt. Juliet, TN

MW-14-121819 L1172707-32 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:45 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 15:08	12/21/19 15:08	TJJ	Mt. Juliet, TN

MW-14B-121819 L1172707-33 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 11:00 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 15:28	12/21/19 15:28	TJJ	Mt. Juliet, TN

MW-06-121819 L1172707-34 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 10:00 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 15:47	12/21/19 15:47	TJJ	Mt. Juliet, TN

MW-06B-121819 L1172707-35 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 09:55 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 16:06	12/21/19 16:06	TJJ	Mt. Juliet, TN

MW-25-121819 L1172707-36 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 16:00 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 16:25	12/21/19 16:25	TJJ	Mt. Juliet, TN

MW-41-121819 L1172707-37 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 16:20 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 16:44	12/21/19 16:44	TJJ	Mt. Juliet, TN

MW-25B-121819 L1172707-38 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 16:05 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400595	1	12/21/19 17:03	12/21/19 17:03	TJJ	Mt. Juliet, TN

MW-42-121819 L1172707-39 GW

Collected by: Melissa Warren | Collected date/time: 12/18/19 16:10 | Received date/time: 12/19/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400602	1	12/21/19 06:11	12/21/19 06:11	JCP	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 22:23	WG1400559
Toluene	ND		1.00	1	12/20/2019 22:23	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 22:23	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 22:23	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 22:23	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 22:23	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 22:23	WG1400559
(S) Toluene-d8	*97.7*		*80.0-120*		*12/20/2019 22:23*	WG1400559
(S) 4-Bromofluorobenzene	*89.6*		*77.0-126*		*12/20/2019 22:23*	WG1400559
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*12/20/2019 22:23*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 22:42	WG1400559
Toluene	14.3		1.00	1	12/20/2019 22:42	WG1400559
Ethylbenzene	1.88		1.00	1	12/20/2019 22:42	WG1400559
Total Xylenes	58.6		3.00	1	12/20/2019 22:42	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 22:42	WG1400559
Naphthalene	15.9		5.00	1	12/20/2019 22:42	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 22:42	WG1400559
(S) Toluene-d8	*94.8*		*80.0-120*		*12/20/2019 22:42*	WG1400559
(S) 4-Bromofluorobenzene	*95.5*		*77.0-126*		*12/20/2019 22:42*	WG1400559
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*12/20/2019 22:42*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 23:02	WG1400559
Toluene	ND		1.00	1	12/20/2019 23:02	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 23:02	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 23:02	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 23:02	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 23:02	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 23:02	WG1400559
(S) Toluene-d8	*95.1*		*80.0-120*		*12/20/2019 23:02*	WG1400559
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*12/20/2019 23:02*	WG1400559
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*12/20/2019 23:02*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 23:21	WG1400559
Toluene	ND		1.00	1	12/20/2019 23:21	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 23:21	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 23:21	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 23:21	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 23:21	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 23:21	WG1400559
(S) Toluene-d8	*93.6*		*80.0-120*		*12/20/2019 23:21*	WG1400559
(S) 4-Bromofluorobenzene	*92.9*		*77.0-126*		*12/20/2019 23:21*	WG1400559
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*12/20/2019 23:21*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 23:40	WG1400559
Toluene	ND		1.00	1	12/20/2019 23:40	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 23:40	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 23:40	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 23:40	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 23:40	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 23:40	WG1400559
(S) Toluene-d8	*96.1*		*80.0-120*		*12/20/2019 23:40*	WG1400559
(S) 4-Bromofluorobenzene	*95.2*		*77.0-126*		*12/20/2019 23:40*	WG1400559
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*12/20/2019 23:40*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 23:59	WG1400559
Toluene	ND		1.00	1	12/20/2019 23:59	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 23:59	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 23:59	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 23:59	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 23:59	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 23:59	WG1400559
(S) Toluene-d8	*96.4*		*80.0-120*		*12/20/2019 23:59*	WG1400559
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*12/20/2019 23:59*	WG1400559
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*12/20/2019 23:59*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 00:18	WG1400559
Toluene	ND		1.00	1	12/21/2019 00:18	WG1400559
Ethylbenzene	ND		1.00	1	12/21/2019 00:18	WG1400559
Total Xylenes	ND		3.00	1	12/21/2019 00:18	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 00:18	WG1400559
Naphthalene	ND		5.00	1	12/21/2019 00:18	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/21/2019 00:18	WG1400559
(S) Toluene-d8	*97.5*		*80.0-120*		*12/21/2019 00:18*	WG1400559
(S) 4-Bromofluorobenzene	*91.9*		*77.0-126*		*12/21/2019 00:18*	WG1400559
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*12/21/2019 00:18*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 00:37	WG1400559
Toluene	ND		1.00	1	12/21/2019 00:37	WG1400559
Ethylbenzene	ND		1.00	1	12/21/2019 00:37	WG1400559
Total Xylenes	ND		3.00	1	12/21/2019 00:37	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 00:37	WG1400559
Naphthalene	ND		5.00	1	12/21/2019 00:37	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/21/2019 00:37	WG1400559
(S) Toluene-d8	*95.4*		*80.0-120*		*12/21/2019 00:37*	WG1400559
(S) 4-Bromofluorobenzene	*91.3*		*77.0-126*		*12/21/2019 00:37*	WG1400559
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*12/21/2019 00:37*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 00:56	WG1400559
Toluene	6.60		1.00	1	12/21/2019 00:56	WG1400559
Ethylbenzene	1.61		1.00	1	12/21/2019 00:56	WG1400559
Total Xylenes	17.8		3.00	1	12/21/2019 00:56	WG1400559
Methyl tert-butyl ether	3.93		1.00	1	12/21/2019 00:56	WG1400559
Naphthalene	9.59		5.00	1	12/21/2019 00:56	WG1400559
1,2-Dichloroethane	1.42		1.00	1	12/21/2019 00:56	WG1400559
(S) Toluene-d8	*96.9*		*80.0-120*		*12/21/2019 00:56*	WG1400559
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/21/2019 00:56*	WG1400559
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*12/21/2019 00:56*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 01:14	WG1400559
Toluene	ND		1.00	1	12/21/2019 01:14	WG1400559
Ethylbenzene	ND		1.00	1	12/21/2019 01:14	WG1400559
Total Xylenes	ND		3.00	1	12/21/2019 01:14	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 01:14	WG1400559
Naphthalene	ND		5.00	1	12/21/2019 01:14	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/21/2019 01:14	WG1400559
(S) Toluene-d8	*95.6*		*80.0-120*		*12/21/2019 01:14*	WG1400559
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*12/21/2019 01:14*	WG1400559
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*12/21/2019 01:14*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.09		1.00	1	12/21/2019 01:34	WG1400559
Toluene	ND		1.00	1	12/21/2019 01:34	WG1400559
Ethylbenzene	ND		1.00	1	12/21/2019 01:34	WG1400559
Total Xylenes	5.19		3.00	1	12/21/2019 01:34	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 01:34	WG1400559
Naphthalene	ND		5.00	1	12/21/2019 01:34	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/21/2019 01:34	WG1400559
(S) Toluene-d8	*94.5*		*80.0-120*		*12/21/2019 01:34*	WG1400559
(S) 4-Bromofluorobenzene	*98.7*		*77.0-126*		*12/21/2019 01:34*	WG1400559
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*12/21/2019 01:34*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.04		1.00	1	12/21/2019 01:53	WG1400559
Toluene	ND		1.00	1	12/21/2019 01:53	WG1400559
Ethylbenzene	ND		1.00	1	12/21/2019 01:53	WG1400559
Total Xylenes	5.19		3.00	1	12/21/2019 01:53	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 01:53	WG1400559
Naphthalene	ND		5.00	1	12/21/2019 01:53	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/21/2019 01:53	WG1400559
(S) Toluene-d8	*95.3*		*80.0-120*		*12/21/2019 01:53*	WG1400559
(S) 4-Bromofluorobenzene	*93.8*		*77.0-126*		*12/21/2019 01:53*	WG1400559
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*12/21/2019 01:53*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 13:20	WG1400826
Toluene	ND		1.00	1	12/21/2019 13:20	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 13:20	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 13:20	WG1400826
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 13:20	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 13:20	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 13:20	WG1400826
(S) Toluene-d8	*92.6*		*80.0-120*		*12/21/2019 13:20*	WG1400826
(S) 4-Bromofluorobenzene	*99.6*		*77.0-126*		*12/21/2019 13:20*	WG1400826
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*12/21/2019 13:20*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 22:04	WG1400559
Toluene	ND		1.00	1	12/20/2019 22:04	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 22:04	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 22:04	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 22:04	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 22:04	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 22:04	WG1400559
(S) Toluene-d8	*96.6*		*80.0-120*		*12/20/2019 22:04*	WG1400559
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*12/20/2019 22:04*	WG1400559
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*12/20/2019 22:04*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/20/2019 21:45	WG1400559
Toluene	ND		1.00	1	12/20/2019 21:45	WG1400559
Ethylbenzene	ND		1.00	1	12/20/2019 21:45	WG1400559
Total Xylenes	ND		3.00	1	12/20/2019 21:45	WG1400559
Methyl tert-butyl ether	ND		1.00	1	12/20/2019 21:45	WG1400559
Naphthalene	ND		5.00	1	12/20/2019 21:45	WG1400559
1,2-Dichloroethane	ND		1.00	1	12/20/2019 21:45	WG1400559
(S) Toluene-d8	*94.1*		*80.0-120*		*12/20/2019 21:45*	WG1400559
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*12/20/2019 21:45*	WG1400559
(S) 1,2-Dichloroethane-d4	*126*		*70.0-130*		*12/20/2019 21:45*	WG1400559

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 13:40	WG1400826
Toluene	ND		1.00	1	12/21/2019 13:40	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 13:40	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 13:40	WG1400826
Methyl tert-butyl ether	3.33		1.00	1	12/21/2019 13:40	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 13:40	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 13:40	WG1400826
(S) Toluene-d8	*90.7*		*80.0-120*		*12/21/2019 13:40*	WG1400826
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/21/2019 13:40*	WG1400826
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*12/21/2019 13:40*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 14:01	WG1400826
Toluene	ND		1.00	1	12/21/2019 14:01	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 14:01	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 14:01	WG1400826
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 14:01	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 14:01	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:01	WG1400826
(S) Toluene-d8	*92.5*		*80.0-120*		*12/21/2019 14:01*	WG1400826
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*12/21/2019 14:01*	WG1400826
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*12/21/2019 14:01*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 14:21	WG1400826
Toluene	ND		1.00	1	12/21/2019 14:21	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 14:21	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 14:21	WG1400826
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 14:21	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 14:21	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:21	WG1400826
(S) Toluene-d8	*96.8*		*80.0-120*		*12/21/2019 14:21*	WG1400826
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*12/21/2019 14:21*	WG1400826
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*12/21/2019 14:21*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 14:42	WG1400826
Toluene	ND		1.00	1	12/21/2019 14:42	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 14:42	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 14:42	WG1400826
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 14:42	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 14:42	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:42	WG1400826
(S) Toluene-d8	*94.4*		*80.0-120*		*12/21/2019 14:42*	WG1400826
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*12/21/2019 14:42*	WG1400826
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*12/21/2019 14:42*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 15:02	WG1400826
Toluene	ND		1.00	1	12/21/2019 15:02	WG1400826
Ethylbenzene	ND		1.00	1	12/21/2019 15:02	WG1400826
Total Xylenes	ND		3.00	1	12/21/2019 15:02	WG1400826
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 15:02	WG1400826
Naphthalene	ND		5.00	1	12/21/2019 15:02	WG1400826
1,2-Dichloroethane	ND		1.00	1	12/21/2019 15:02	WG1400826
(S) Toluene-d8	*94.9*		*80.0-120*		*12/21/2019 15:02*	WG1400826
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/21/2019 15:02*	WG1400826
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*12/21/2019 15:02*	WG1400826

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	185		1.00	1	12/21/2019 11:38	WG1400595
Toluene	66.2		1.00	1	12/21/2019 11:38	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 11:38	WG1400595
Total Xylenes	78.2		3.00	1	12/21/2019 11:38	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 11:38	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 11:38	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 11:38	WG1400595
(S) Toluene-d8	*108*		*80.0-120*		*12/21/2019 11:38*	WG1400595
(S) 4-Bromofluorobenzene	*93.9*		*77.0-126*		*12/21/2019 11:38*	WG1400595
(S) 1,2-Dichloroethane-d4	*89.1*		*70.0-130*		*12/21/2019 11:38*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	257		5.00	5	12/24/2019 12:02	WG1401850
Toluene	166		1.00	1	12/21/2019 11:57	WG1400595
Ethylbenzene	18.0		1.00	1	12/21/2019 11:57	WG1400595
Total Xylenes	155		3.00	1	12/21/2019 11:57	WG1400595
Methyl tert-butyl ether	132		1.00	1	12/21/2019 11:57	WG1400595
Naphthalene	5.60		5.00	1	12/21/2019 11:57	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 11:57	WG1400595
(S) Toluene-d8	*105*		*80.0-120*		*12/21/2019 11:57*	WG1400595
(S) Toluene-d8	*95.1*		*80.0-120*		*12/24/2019 12:02*	WG1401850
(S) 4-Bromofluorobenzene	*92.3*		*77.0-126*		*12/21/2019 11:57*	WG1400595
(S) 4-Bromofluorobenzene	*92.1*		*77.0-126*		*12/24/2019 12:02*	WG1401850
(S) 1,2-Dichloroethane-d4	*84.1*		*70.0-130*		*12/21/2019 11:57*	WG1400595
(S) 1,2-Dichloroethane-d4	*95.1*		*70.0-130*		*12/24/2019 12:02*	WG1401850

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 12:17	WG1400595
Toluene	ND		1.00	1	12/21/2019 12:17	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 12:17	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 12:17	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 12:17	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 12:17	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 12:17	WG1400595
(S) Toluene-d8	*107*		*80.0-120*		*12/21/2019 12:17*	WG1400595
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*		*12/21/2019 12:17*	WG1400595
(S) 1,2-Dichloroethane-d4	*75.4*		*70.0-130*		*12/21/2019 12:17*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 12:36	WG1400595
Toluene	ND		1.00	1	12/21/2019 12:36	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 12:36	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 12:36	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 12:36	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 12:36	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 12:36	WG1400595
(S) Toluene-d8	*106*		*80.0-120*		*12/21/2019 12:36*	WG1400595
(S) 4-Bromofluorobenzene	*92.6*		*77.0-126*		*12/21/2019 12:36*	WG1400595
(S) 1,2-Dichloroethane-d4	*80.9*		*70.0-130*		*12/21/2019 12:36*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.30		1.00	1	12/21/2019 12:55	WG1400595
Toluene	ND		1.00	1	12/21/2019 12:55	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 12:55	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 12:55	WG1400595
Methyl tert-butyl ether	32.4		1.00	1	12/21/2019 12:55	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 12:55	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 12:55	WG1400595
(S) Toluene-d8	*107*		*80.0-120*		*12/21/2019 12:55*	WG1400595
(S) 4-Bromofluorobenzene	*92.9*		*77.0-126*		*12/21/2019 12:55*	WG1400595
(S) 1,2-Dichloroethane-d4	*79.4*		*70.0-130*		*12/21/2019 12:55*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 13:14	WG1400595
Toluene	5.00		1.00	1	12/21/2019 13:14	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 13:14	WG1400595
Total Xylenes	3.10		3.00	1	12/21/2019 13:14	WG1400595
Methyl tert-butyl ether	1.34		1.00	1	12/21/2019 13:14	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 13:14	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 13:14	WG1400595
(S) Toluene-d8	*106*		*80.0-120*		*12/21/2019 13:14*	WG1400595
(S) 4-Bromofluorobenzene	*92.9*		*77.0-126*		*12/21/2019 13:14*	WG1400595
(S) 1,2-Dichloroethane-d4	*80.8*		*70.0-130*		*12/21/2019 13:14*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 13:33	WG1400595
Toluene	ND		1.00	1	12/21/2019 13:33	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 13:33	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 13:33	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 13:33	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 13:33	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 13:33	WG1400595
(S) Toluene-d8	*107*		*80.0-120*		*12/21/2019 13:33*	WG1400595
(S) 4-Bromofluorobenzene	*91.1*		*77.0-126*		*12/21/2019 13:33*	WG1400595
(S) 1,2-Dichloroethane-d4	*77.4*		*70.0-130*		*12/21/2019 13:33*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 13:52	WG1400595
Toluene	ND		1.00	1	12/21/2019 13:52	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 13:52	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 13:52	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 13:52	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 13:52	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 13:52	WG1400595
(S) Toluene-d8	*108*		*80.0-120*		*12/21/2019 13:52*	WG1400595
(S) 4-Bromofluorobenzene	*91.5*		*77.0-126*		*12/21/2019 13:52*	WG1400595
(S) 1,2-Dichloroethane-d4	*80.9*		*70.0-130*		*12/21/2019 13:52*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 14:11	WG1400595
Toluene	ND		1.00	1	12/21/2019 14:11	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 14:11	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 14:11	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 14:11	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 14:11	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:11	WG1400595
(S) Toluene-d8	*106*		*80.0-120*		*12/21/2019 14:11*	WG1400595
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*12/21/2019 14:11*	WG1400595
(S) 1,2-Dichloroethane-d4	*79.8*		*70.0-130*		*12/21/2019 14:11*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.47		1.00	1	12/21/2019 14:30	WG1400595
Toluene	ND		1.00	1	12/21/2019 14:30	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 14:30	WG1400595
Total Xylenes	7.49		3.00	1	12/21/2019 14:30	WG1400595
Methyl tert-butyl ether	114		1.00	1	12/21/2019 14:30	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 14:30	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:30	WG1400595
(S) Toluene-d8	*105*		*80.0-120*		*12/21/2019 14:30*	WG1400595
(S) 4-Bromofluorobenzene	*92.8*		*77.0-126*		*12/21/2019 14:30*	WG1400595
(S) 1,2-Dichloroethane-d4	*83.1*		*70.0-130*		*12/21/2019 14:30*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.11		1.00	1	12/21/2019 14:49	WG1400595
Toluene	16.8		1.00	1	12/21/2019 14:49	WG1400595
Ethylbenzene	4.57		1.00	1	12/21/2019 14:49	WG1400595
Total Xylenes	34.2		3.00	1	12/21/2019 14:49	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 14:49	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 14:49	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 14:49	WG1400595
(S) Toluene-d8	*109*		*80.0-120*		*12/21/2019 14:49*	WG1400595
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*12/21/2019 14:49*	WG1400595
(S) 1,2-Dichloroethane-d4	*78.1*		*70.0-130*		*12/21/2019 14:49*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 15:08	WG1400595
Toluene	ND		1.00	1	12/21/2019 15:08	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 15:08	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 15:08	WG1400595
Methyl tert-butyl ether	6.65		1.00	1	12/21/2019 15:08	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 15:08	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 15:08	WG1400595
(S) Toluene-d8	*104*		*80.0-120*		*12/21/2019 15:08*	WG1400595
(S) 4-Bromofluorobenzene	*92.1*		*77.0-126*		*12/21/2019 15:08*	WG1400595
(S) 1,2-Dichloroethane-d4	*80.4*		*70.0-130*		*12/21/2019 15:08*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	5.69		1.00	1	12/21/2019 15:28	WG1400595
Toluene	ND		1.00	1	12/21/2019 15:28	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 15:28	WG1400595
Total Xylenes	4.86		3.00	1	12/21/2019 15:28	WG1400595
Methyl tert-butyl ether	10.7		1.00	1	12/21/2019 15:28	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 15:28	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 15:28	WG1400595
(S) Toluene-d8	*105*		*80.0-120*		*12/21/2019 15:28*	WG1400595
(S) 4-Bromofluorobenzene	*95.1*		*77.0-126*		*12/21/2019 15:28*	WG1400595
(S) 1,2-Dichloroethane-d4	*78.9*		*70.0-130*		*12/21/2019 15:28*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 15:47	WG1400595
Toluene	ND		1.00	1	12/21/2019 15:47	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 15:47	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 15:47	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 15:47	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 15:47	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 15:47	WG1400595
(S) Toluene-d8	*106*		*80.0-120*		*12/21/2019 15:47*	WG1400595
(S) 4-Bromofluorobenzene	*95.4*		*77.0-126*		*12/21/2019 15:47*	WG1400595
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*12/21/2019 15:47*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 16:06	WG1400595
Toluene	4.47		1.00	1	12/21/2019 16:06	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 16:06	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 16:06	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 16:06	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 16:06	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 16:06	WG1400595
(S) Toluene-d8	*104*		*80.0-120*		*12/21/2019 16:06*	WG1400595
(S) 4-Bromofluorobenzene	*82.1*		*77.0-126*		*12/21/2019 16:06*	WG1400595
(S) 1,2-Dichloroethane-d4	*84.3*		*70.0-130*		*12/21/2019 16:06*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 16:25	WG1400595
Toluene	ND		1.00	1	12/21/2019 16:25	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 16:25	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 16:25	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 16:25	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 16:25	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 16:25	WG1400595
(S) Toluene-d8	*107*		*80.0-120*		*12/21/2019 16:25*	WG1400595
(S) 4-Bromofluorobenzene	*93.9*		*77.0-126*		*12/21/2019 16:25*	WG1400595
(S) 1,2-Dichloroethane-d4	*83.6*		*70.0-130*		*12/21/2019 16:25*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 16:44	WG1400595
Toluene	ND		1.00	1	12/21/2019 16:44	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 16:44	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 16:44	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 16:44	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 16:44	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 16:44	WG1400595
(S) Toluene-d8	*105*		*80.0-120*		*12/21/2019 16:44*	WG1400595
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*12/21/2019 16:44*	WG1400595
(S) 1,2-Dichloroethane-d4	*76.3*		*70.0-130*		*12/21/2019 16:44*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 17:03	WG1400595
Toluene	ND		1.00	1	12/21/2019 17:03	WG1400595
Ethylbenzene	ND		1.00	1	12/21/2019 17:03	WG1400595
Total Xylenes	ND		3.00	1	12/21/2019 17:03	WG1400595
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 17:03	WG1400595
Naphthalene	ND		5.00	1	12/21/2019 17:03	WG1400595
1,2-Dichloroethane	ND		1.00	1	12/21/2019 17:03	WG1400595
(S) Toluene-d8	*107*		*80.0-120*		*12/21/2019 17:03*	WG1400595
(S) 4-Bromofluorobenzene	*90.4*		*77.0-126*		*12/21/2019 17:03*	WG1400595
(S) 1,2-Dichloroethane-d4	*76.6*		*70.0-130*		*12/21/2019 17:03*	WG1400595

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 06:11	WG1400602
Toluene	ND		1.00	1	12/21/2019 06:11	WG1400602
Ethylbenzene	ND		1.00	1	12/21/2019 06:11	WG1400602
Total Xylenes	ND		3.00	1	12/21/2019 06:11	WG1400602
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 06:11	WG1400602
Naphthalene	ND		5.00	1	12/21/2019 06:11	WG1400602
1,2-Dichloroethane	ND		1.00	1	12/21/2019 06:11	WG1400602
(S) Toluene-d8	*90.4*		*80.0-120*		*12/21/2019 06:11*	WG1400602
(S) 4-Bromofluorobenzene	*91.8*		*77.0-126*		*12/21/2019 06:11*	WG1400602
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/21/2019 06:11*	WG1400602

Method Blank (MB)

(MB) R3485377-2 12/20/19 21:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485377-1 12/20/19 20:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.75	95.0	70.0-130	
1,2-Dichloroethane	5.00	6.35	127	70.0-130	
Ethylbenzene	5.00	4.41	88.2	70.0-130	
Methyl tert-butyl ether	5.00	5.37	107	70.0-130	
Naphthalene	5.00	4.59	91.8	70.0-130	
Toluene	5.00	4.37	87.4	70.0-130	
Xylenes, Total	15.0	12.4	82.7	70.0-130	
(S) Toluene-d8			*93.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*118*	*70.0-130*	

Method Blank (MB)

(MB) R3485411-2 12/21/19 10:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*79.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485411-1 12/21/19 09:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.76	95.2	70.0-130	
1,2-Dichloroethane	5.00	3.94	78.8	70.0-130	
Ethylbenzene	5.00	4.78	95.6	70.0-130	
Methyl tert-butyl ether	5.00	4.50	90.0	70.0-130	
Naphthalene	5.00	3.62	72.4	70.0-130	
Toluene	5.00	4.92	98.4	70.0-130	
Xylenes, Total	15.0	15.0	100	70.0-130	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*81.1*	*70.0-130*	

Method Blank (MB)

(MB) R3485341-3 12/21/19 04:53

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	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*91.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

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

(LCS) R3485341-1 12/21/19 03:54 • (LCSD) R3485341-2 12/21/19 04:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	5.35	5.15	107	103	70.0-130			3.81	20
1,2-Dichloroethane	5.00	6.26	5.89	125	118	70.0-130			6.09	20
Ethylbenzene	5.00	4.91	4.95	98.2	99.0	70.0-130			0.811	20
Methyl tert-butyl ether	5.00	5.57	5.12	111	102	70.0-130			8.42	20
Naphthalene	5.00	5.14	4.98	103	99.6	70.0-130			3.16	20
Toluene	5.00	4.67	4.83	93.4	96.6	70.0-130			3.37	20
Xylenes, Total	15.0	14.4	14.3	96.0	95.3	70.0-130			0.697	20
(S) Toluene-d8				*88.0*	*88.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*88.1*	*89.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*106*	*70.0-130*				

L1172733-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1172733-03 12/21/19 07:09 • (MS) R3485341-4 12/21/19 11:43 • (MSD) R3485341-5 12/21/19 12:02

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	5.00	ND	5.83	5.86	117	117	1	17.0-158			0.513	27
1,2-Dichloroethane	5.00	ND	7.21	6.93	144	139	1	29.0-151			3.96	27
Ethylbenzene	5.00	ND	5.19	5.39	104	108	1	30.0-155			3.78	27
Methyl tert-butyl ether	5.00	ND	6.27	5.59	125	112	1	28.0-150			11.5	29
Naphthalene	5.00	ND	5.52	5.73	110	115	1	12.0-156			3.73	35
Toluene	5.00	ND	5.08	5.41	102	108	1	26.0-154			6.29	28
Xylenes, Total	15.0	ND	15.5	16.2	103	108	1	29.0-154			4.42	28

L1172733-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1172733-03 12/21/19 07:09 • (MS) R3485341-4 12/21/19 11:43 • (MSD) R3485341-5 12/21/19 12:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Toluene-d8					*85.2*	*87.6*		*80.0-120*				
(S) 4-Bromofluorobenzene					*88.9*	*88.4*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*111*	*113*		*70.0-130*				

Method Blank (MB)

(MB) R3485688-2 12/21/19 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*94.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485688-1 12/21/19 10:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.26	85.2	70.0-130	
1,2-Dichloroethane	5.00	5.87	117	70.0-130	
Ethylbenzene	5.00	4.19	83.8	70.0-130	
Methyl tert-butyl ether	5.00	5.03	101	70.0-130	
Naphthalene	5.00	5.32	106	70.0-130	
Toluene	5.00	3.99	79.8	70.0-130	
Xylenes, Total	15.0	12.6	84.0	70.0-130	
(S) Toluene-d8			*92.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*128*	*70.0-130*	

Method Blank (MB)

(MB) R3485881-2 12/24/19 09:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485881-1 12/24/19 09:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.79	95.8	70.0-130	
(S) Toluene-d8			*96.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.6*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

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

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

State Accreditations

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

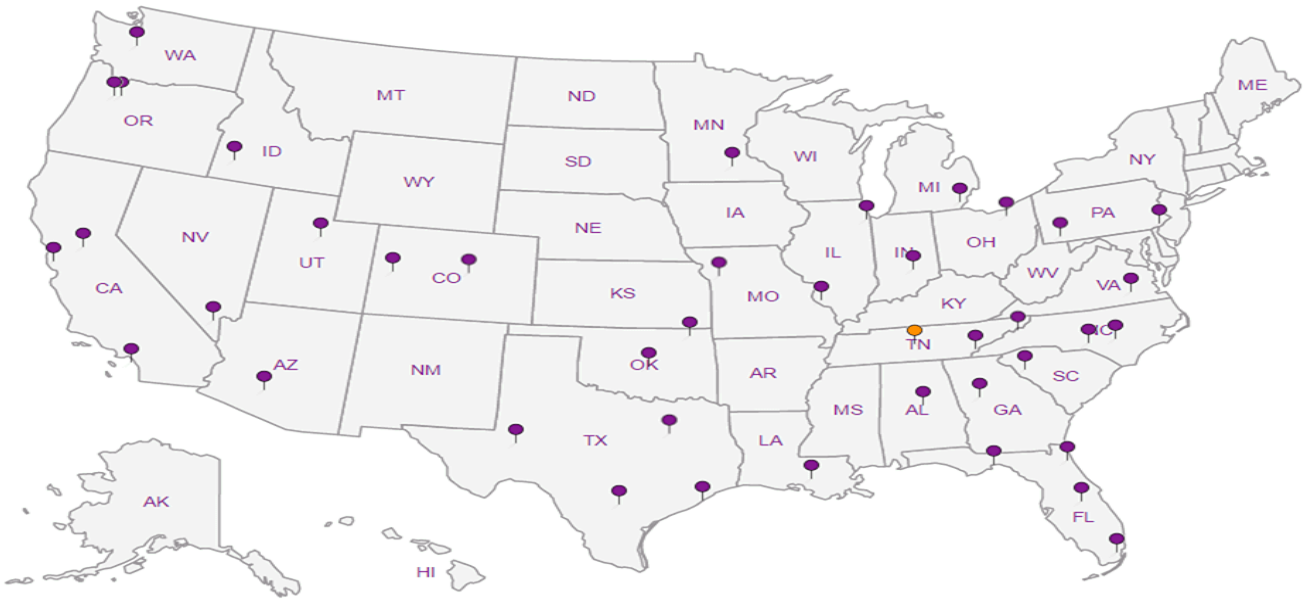
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
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: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # D3159800 B.PN.GEN.LDPR.02

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARNER

Site/Facility ID # LEWIS DRIVE

P.O. #

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

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 #

Pres Chk

Analysis / Container / Preservative

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-Blk	SULFATE 125ml HDPE-NoPres	Remarks	Sample # (lab only)
MW-08-121819	GRAB	GW	NA	12/18/19	0915	3				Y				-01
MW-16-121819		GW			0925									-02
MW-04-121819		GW			1015									-03
MW-03-121819		GW			1020									-04
MW-32-121819		GW			1030									-05
MW-02-121819		GW			1045									-06
MW-02B-121819		GW			1050									-07
MW-10-121819		GW			1105									-08
MW-18-121819		GW			1350									-09
MW-05-121819		GW			1510									-10

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

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

L# L1172707

1019

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.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier

Tracking # 1382 4807 4515

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	12/18/19	1720			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.4 °C AG Bottles Received: 1.1+0=1.1 1 1 4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/19/19 Time: 9:30	Hold: Condition: NCF / OK

Chain of Custody Page 2 of 4

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

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

Pres Chk: X X

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

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 #: SEE PG 1

Lab Project #: KINCH2MGA-LEWIS12

SDG # L1172707

Table #

Collected by (print): MELISSA WANNER

Site/Facility ID #: LEWIS DRIVE

P.O. #

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

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative: V8260BTEXMNSC 40mlAmb-HCl; V8260BTEXMNSC-TB 40mlAmb-HCl-Blk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-27-121819	GRAB	GW	NA	12/18/19	1530	3	X			-11
MW-27-D-121819	↓	GW	↓	↓	1535	3	X			-12
MW-22-121819		GW			1435	3	X			-13
FB02-121819		GW			1610	3	X			-14
TB02-121819		GW			—	1	[struck]	X	TRIP BLANK	-15
MW-15-121819		GW			1540	3	X			-16
MW-43B-121819		GW			1420	3	X			-17
MW-43-121819		GW			1410	3	X			-18
MW-24-121819		GW			1340	3	X			-19
MW-24B-121819	↓	GW	↓	↓	1330	3	X			-20

* 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: __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)		
[signature]	12/18/19	1730		Trip Blank Received: (Yes) / No; HCL / MeoH; TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: AO °C 1.1±0=1.1; Bottles Received: 114	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 12/19/19 Time: 0930	Hold: Condition: NCF / (OK)

Chain of Custody Page 3 of 4

Pace Analytical®
National Center for Testing & Innovation

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

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

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

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

Report to: Bethany Garvey

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project #: SEE PG 1

Lab Project #: KINCH2MGA-LEWIS12

Site/Facility ID #: LEWIS DRIVE

P.O. #

Collected by (print): MELISSA WARNER

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

SDG # L1172707

Table #

Acctnum: KINCH2MGA
Template: T155769
Prelogin: P746132
PM: 526 - Chris McCord
PB: 12-11-19 [initials]
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Pres Chk: X X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk								Remarks	Sample # (lab only)
MW-36-121819	GRAB	GW	NA	12/18/19	1445	3	X										-21
MW-13B-121819	↓	GW	↓	↓	1030	3	X										-22
MW-31-121819	↓	GW	↓	↓	0930	3	X										-23
MW-33T-121819	↓	GW	↓	↓	0945	3	X										-24
MW-50B-121819	↓	GW	↓	↓	1015	3	X										-25
MW-09-121819	↓	GW	↓	↓	1250	3	X										-26
MW-47-121819	↓	GW	↓	↓	0915	3	X										-27
MW-36B-121819	↓	GW	↓	↓	1450	3	X										-28
MW-48B-121819	↓	GW	↓	↓	1000	3	X										-29
MW-39-121819	↓	GW	↓	↓	1540	3	X										-30

* 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: __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

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	12/18/19	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]

Temp: AG °C 1.1±0=1.1
Bottles Received: 114
Date: 12/19/19 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

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

Pres Chk: Y

Chain of Custody Page 4 of 4

Pace Analytical® National Center for Testing & Innovation

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

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 #: SEE pg 1

Lab Project #: KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARNER

Site/Facility ID #: LEWIS DRIVE

P.O. #

Collected by (signature): [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 ✓

SDG #
Table #
Acctnum: KINCH2MGA
Template: T155769
Prelogin: P746132
PM: 526 - Chris McCord
PB: 12-11-19 6m
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-09B-121819	GRAB	GW	N/A	12/18/19	1255	3	X			-31
MW-14-121819	↓	GW	↓	↓	1045	3	X			-32
MW-14B-121819	↓	GW	↓	↓	1100	3	X			-33
MW-06-121819	↓	GW	↓	↓	1000	3	X			-34
MW-06B-121819	↓	GW	↓	↓	0955	3	X			-35
MW-25-121819	↓	GW	↓	↓	1600	3	X			-36
MW-41-121819	↓	GW	↓	↓	1620	3	X			-37
MW-25B-121819	↓	GW	↓	↓	1605	3	X			-38
MW-42-121819	↓	GW	↓	↓	1610	3	X			-39
		GW				3	X			

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

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

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:	
[signature]	12/18/19	1730		(Yes) / No; (HCl) / MeoH; TBR	
Relinquished by : (Signature)	**Date:**	**Time:**	**Received by: (Signature)**	Temp: A6 °C 1.1±0=1.1	Bottles Received: 114
Relinquished by : (Signature)	**Date:**	**Time:**	**Received for lab by: (Signature)**	Date: 12/19/19	Time: 9:30
			[signature]		

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chris McCord

From: Garvey, Bethany/ATL <Bethany.Garvey@jacobs.com>
Sent: Thursday, December 19, 2019 1:11 PM
To: Chris McCord
Subject: KM-Lewis Drive samples received today

Hi Chris,

For sample MW-22-121819 (received today), please correct the sample time from 1435 to 1555. The time listed on the COC is incorrect and should note 1555.

Thanks,
Bethany Garvey | Jacobs | Environmental Chemist
O:+404.751.5651 | M:+404.713.1880 | bethany.garvey@jacobs.com
Ten 10th Street NW, Suite 1400 | Atlanta, GA 30309 | USA
www.jacobs.com

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 27, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1173034
Samples Received:	12/20/2019
Project Number:	D3159800 B. PN.GEN.1
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

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

TABLE OF CONTENTS

MW-44-121919 L1173034-01 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 09:15 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/21/19 23:44	12/21/19 23:44	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402264	1	12/25/19 01:36	12/25/19 01:36	DWR	Mt. Juliet, TN

MW-37-121919 L1173034-02 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 10:45 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402255	1	12/25/19 19:09	12/25/19 19:09	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/22/19 00:03	12/22/19 00:03	TJJ	Mt. Juliet, TN

MW-38-121919 L1173034-03 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 13:45 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402255	1	12/25/19 19:23	12/25/19 19:23	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/22/19 00:22	12/22/19 00:22	TJJ	Mt. Juliet, TN

MW-40-121919 L1173034-04 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 13:40 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/22/19 00:41	12/22/19 00:41	TJJ	Mt. Juliet, TN

MW-17B-121919 L1173034-05 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 16:25 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	5	12/22/19 01:00	12/22/19 01:00	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402264	100	12/25/19 01:56	12/25/19 01:56	DWR	Mt. Juliet, TN

MW-17B-D-121919 L1173034-06 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 16:30 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	10	12/22/19 01:19	12/22/19 01:19	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402264	50	12/25/19 02:16	12/25/19 02:16	DWR	Mt. Juliet, TN

MW-28-121919 L1173034-07 GW

Collected by: Melissa Warren | Collected date/time: 12/19/19 16:35 | Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/22/19 01:38	12/22/19 01:38	TJJ	Mt. Juliet, TN

FB03-121919 L1173034-08 GW

Collected by: Melissa Warren
Collected date/time: 12/19/19 16:55
Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/22/19 01:58	12/22/19 01:58	TJJ	Mt. Juliet, TN

TB03-121919 L1173034-09 GW

Collected by: Melissa Warren
Collected date/time: 12/19/19 00:00
Received date/time: 12/20/19 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1400937	1	12/21/19 20:32	12/21/19 20:32	TJJ	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/25/2019 01:36	WG1402264
Toluene	ND		1.00	1	12/25/2019 01:36	WG1402264
Ethylbenzene	ND		1.00	1	12/21/2019 23:44	WG1400937
Total Xylenes	ND		3.00	1	12/25/2019 01:36	WG1402264
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 23:44	WG1400937
Naphthalene	ND		5.00	1	12/21/2019 23:44	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/21/2019 23:44	WG1400937
(S) Toluene-d8	*120*		*80.0-120*		*12/21/2019 23:44*	WG1400937
(S) Toluene-d8	*108*		*80.0-120*		*12/25/2019 01:36*	WG1402264
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/21/2019 23:44*	WG1400937
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*12/25/2019 01:36*	WG1402264
(S) 1,2-Dichloroethane-d4	*76.9*		*70.0-130*		*12/21/2019 23:44*	WG1400937
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*12/25/2019 01:36*	WG1402264

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/25/2019 19:09	WG1402255

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/22/2019 00:03	WG1400937
Toluene	3.03		1.00	1	12/22/2019 00:03	WG1400937
Ethylbenzene	ND		1.00	1	12/22/2019 00:03	WG1400937
Total Xylenes	ND		3.00	1	12/22/2019 00:03	WG1400937
Methyl tert-butyl ether	1.66		1.00	1	12/22/2019 00:03	WG1400937
Naphthalene	ND		5.00	1	12/22/2019 00:03	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/22/2019 00:03	WG1400937
(S) Toluene-d8	*122*	J1	*80.0-120*		*12/22/2019 00:03*	WG1400937
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*12/22/2019 00:03*	WG1400937
(S) 1,2-Dichloroethane-d4	*83.8*		*70.0-130*		*12/22/2019 00:03*	WG1400937

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	33600		5000	1	12/25/2019 19:23	WG1402255

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.19		1.00	1	12/22/2019 00:22	WG1400937
Toluene	1.52		1.00	1	12/22/2019 00:22	WG1400937
Ethylbenzene	ND		1.00	1	12/22/2019 00:22	WG1400937
Total Xylenes	5.85		3.00	1	12/22/2019 00:22	WG1400937
Methyl tert-butyl ether	80.0		1.00	1	12/22/2019 00:22	WG1400937
Naphthalene	ND		5.00	1	12/22/2019 00:22	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/22/2019 00:22	WG1400937
(S) Toluene-d8	*105*		*80.0-120*		*12/22/2019 00:22*	WG1400937
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*12/22/2019 00:22*	WG1400937
(S) 1,2-Dichloroethane-d4	*84.1*		*70.0-130*		*12/22/2019 00:22*	WG1400937

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	86.1		1.00	1	12/22/2019 00:41	WG1400937
Toluene	86.2		1.00	1	12/22/2019 00:41	WG1400937
Ethylbenzene	6.09		1.00	1	12/22/2019 00:41	WG1400937
Total Xylenes	127		3.00	1	12/22/2019 00:41	WG1400937
Methyl tert-butyl ether	12.6		1.00	1	12/22/2019 00:41	WG1400937
Naphthalene	ND		5.00	1	12/22/2019 00:41	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/22/2019 00:41	WG1400937
(S) Toluene-d8	*114*		*80.0-120*		*12/22/2019 00:41*	WG1400937
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*12/22/2019 00:41*	WG1400937
(S) 1,2-Dichloroethane-d4	*80.1*		*70.0-130*		*12/22/2019 00:41*	WG1400937

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6960		100	100	12/25/2019 01:56	WG1402264
Toluene	7590		100	100	12/25/2019 01:56	WG1402264
Ethylbenzene	981		5.00	5	12/22/2019 01:00	WG1400937
Total Xylenes	5170		15.0	5	12/22/2019 01:00	WG1400937
Methyl tert-butyl ether	582		5.00	5	12/22/2019 01:00	WG1400937
Naphthalene	184		25.0	5	12/22/2019 01:00	WG1400937
1,2-Dichloroethane	ND		5.00	5	12/22/2019 01:00	WG1400937
(S) Toluene-d8	*99.9*		*80.0-120*		*12/22/2019 01:00*	WG1400937
(S) Toluene-d8	*104*		*80.0-120*		*12/25/2019 01:56*	WG1402264
(S) 4-Bromofluorobenzene	*94.8*		*77.0-126*		*12/22/2019 01:00*	WG1400937
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*12/25/2019 01:56*	WG1402264
(S) 1,2-Dichloroethane-d4	*86.9*		*70.0-130*		*12/22/2019 01:00*	WG1400937
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/25/2019 01:56*	WG1402264

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	7230		50.0	50	12/25/2019 02:16	WG1402264
Toluene	8430		50.0	50	12/25/2019 02:16	WG1402264
Ethylbenzene	1030		10.0	10	12/22/2019 01:19	WG1400937
Total Xylenes	6000		30.0	10	12/22/2019 01:19	WG1400937
Methyl tert-butyl ether	500		10.0	10	12/22/2019 01:19	WG1400937
Naphthalene	179		50.0	10	12/22/2019 01:19	WG1400937
1,2-Dichloroethane	ND		10.0	10	12/22/2019 01:19	WG1400937
(S) Toluene-d8	*95.8*		*80.0-120*		*12/22/2019 01:19*	WG1400937
(S) Toluene-d8	*106*		*80.0-120*		*12/25/2019 02:16*	WG1402264
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*12/22/2019 01:19*	WG1400937
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/25/2019 02:16*	WG1402264
(S) 1,2-Dichloroethane-d4	*73.1*		*70.0-130*		*12/22/2019 01:19*	WG1400937
(S) 1,2-Dichloroethane-d4	*99.7*		*70.0-130*		*12/25/2019 02:16*	WG1402264

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	23.7		1.00	1	12/22/2019 01:38	WG1400937
Toluene	2.79		1.00	1	12/22/2019 01:38	WG1400937
Ethylbenzene	18.3		1.00	1	12/22/2019 01:38	WG1400937
Total Xylenes	4.33		3.00	1	12/22/2019 01:38	WG1400937
Methyl tert-butyl ether	ND		1.00	1	12/22/2019 01:38	WG1400937
Naphthalene	ND		5.00	1	12/22/2019 01:38	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/22/2019 01:38	WG1400937
(S) Toluene-d8	*95.1*		*80.0-120*		*12/22/2019 01:38*	WG1400937
(S) 4-Bromofluorobenzene	*91.7*		*77.0-126*		*12/22/2019 01:38*	WG1400937
(S) 1,2-Dichloroethane-d4	*92.4*		*70.0-130*		*12/22/2019 01:38*	WG1400937

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/22/2019 01:58	WG1400937
Toluene	ND		1.00	1	12/22/2019 01:58	WG1400937
Ethylbenzene	ND		1.00	1	12/22/2019 01:58	WG1400937
Total Xylenes	ND		3.00	1	12/22/2019 01:58	WG1400937
Methyl tert-butyl ether	ND		1.00	1	12/22/2019 01:58	WG1400937
Naphthalene	ND		5.00	1	12/22/2019 01:58	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/22/2019 01:58	WG1400937
(S) Toluene-d8	*105*		*80.0-120*		*12/22/2019 01:58*	WG1400937
(S) 4-Bromofluorobenzene	*89.4*		*77.0-126*		*12/22/2019 01:58*	WG1400937
(S) 1,2-Dichloroethane-d4	*85.9*		*70.0-130*		*12/22/2019 01:58*	WG1400937

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/21/2019 20:32	WG1400937
Toluene	ND		1.00	1	12/21/2019 20:32	WG1400937
Ethylbenzene	ND		1.00	1	12/21/2019 20:32	WG1400937
Total Xylenes	ND		3.00	1	12/21/2019 20:32	WG1400937
Methyl tert-butyl ether	ND		1.00	1	12/21/2019 20:32	WG1400937
Naphthalene	ND		5.00	1	12/21/2019 20:32	WG1400937
1,2-Dichloroethane	ND		1.00	1	12/21/2019 20:32	WG1400937
(S) Toluene-d8	*108*		*80.0-120*		*12/21/2019 20:32*	WG1400937
(S) 4-Bromofluorobenzene	*92.1*		*77.0-126*		*12/21/2019 20:32*	WG1400937
(S) 1,2-Dichloroethane-d4	*81.2*		*70.0-130*		*12/21/2019 20:32*	WG1400937

Method Blank (MB)

(MB) R3485905-1 12/25/19 12:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Sulfate	U		77.4	5000

L1172970-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1172970-02 12/25/19 13:53 • (DUP) R3485905-3 12/25/19 14:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	21800	22100	1	1.11		15

L1173037-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1173037-04 12/25/19 20:41 • (DUP) R3485905-6 12/25/19 20:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3485905-2 12/25/19 12:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfate	40000	39200	98.0	80.0-120	

L1172970-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1172970-02 12/25/19 13:53 • (MS) R3485905-4 12/25/19 14:19 • (MSD) R3485905-5 12/25/19 14:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	50000	21800	74000	72600	104	102	1	80.0-120			1.93	15

L1173037-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1173037-04 12/25/19 20:41 • (MS) R3485905-7 12/25/19 21:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Sulfate	50000	U	52300	105	1	80.0-120	

Method Blank (MB)

(MB) R3485728-1 12/21/19 18:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485728-2 12/21/19 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.85	97.0	70.0-130	
1,2-Dichloroethane	5.00	4.17	83.4	70.0-130	
Ethylbenzene	5.00	4.93	98.6	70.0-130	
Methyl tert-butyl ether	5.00	4.64	92.8	70.0-130	
Naphthalene	5.00	4.21	84.2	70.0-130	
Toluene	5.00	5.02	100	70.0-130	
Xylenes, Total	15.0	15.1	101	70.0-130	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*89.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*86.3*	*70.0-130*	

Method Blank (MB)

(MB) R3486281-2 12/24/19 20:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	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	*97.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3486281-1 12/24/19 19:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.00	100	70.0-130	
Toluene	5.00	5.05	101	70.0-130	
Xylenes, Total	15.0	14.7	98.0	70.0-130	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.9*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

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

State Accreditations

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

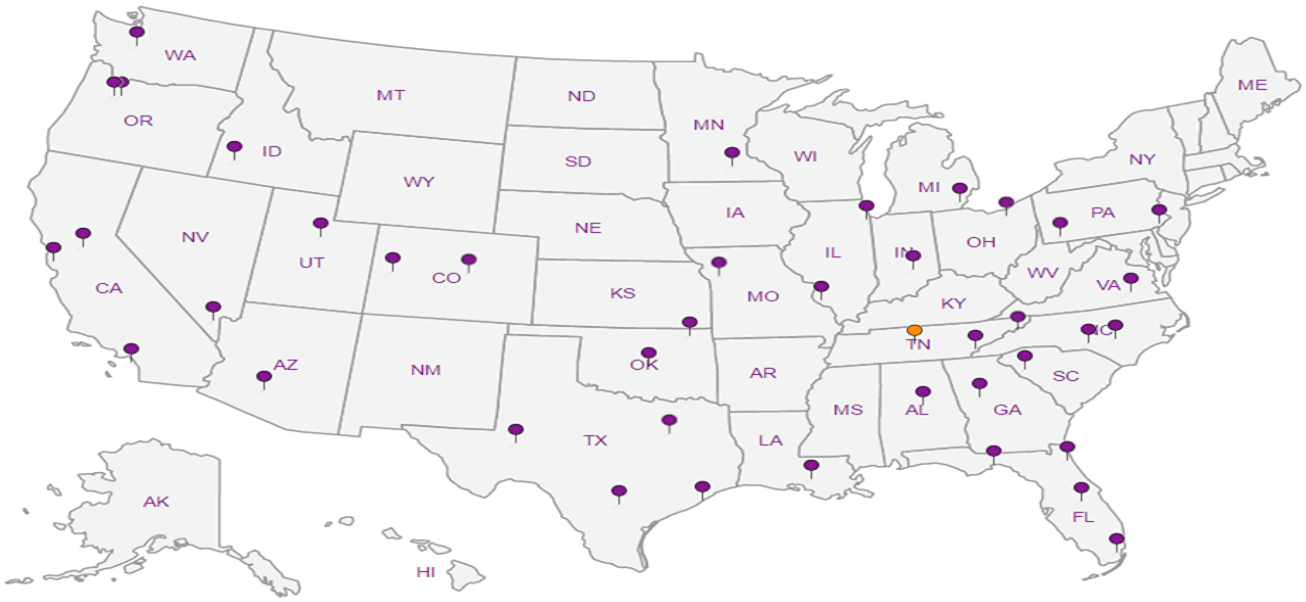
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA Ten 10th Street NW Suite 1400 Atlanta, GA 30309	Billing Information: **Accounts Payable** **1000 Windward Concourse** **Ste 450** **Alpharetta, GA 30005**	Pres Chk	Chain of Custody Page 1 of 1 Pace Analytical® National Center for Testing & Innovation 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859
Report to: **Bethany Garvey**	Email To: **bethany.garvey@jacobs.com; tom.wiley@jacobs.com**		SDG # L1173034
Project Description: **Lewis Drive Groundwater**	City/State Collected: BELTON, SC	Please Circle: PT MT CT ET	M105
Phone: **770-604-9182** Fax:	Client Project # D3159800 B.PN.GEN.LDPA.02	Lab Project # **KINCH2MGA-LEWIS12**	Acctnum: **KINCH2MGA**
Collected by (print): MELISSA WARREN	Site/Facility ID # LEWIS DRIVE	P.O. #	Template: **T155769**
Collected by (signature): [signature] Immediately Packed on Ice N___ Y X	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed	Prelogin: **P746132** PM: **526 - Chris McCord** PB: 12-11-19 6m Shipped Via: **FedEX Ground**

Pres Chk: X X X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	SULFATE 125ml HDPE-NoPres								Remarks	Sample # (lab only)
MW-44-121919	GRAB	GW	N/A	12/19/19	0915	3	X											-01
MW-37-121919	GRAB	GW	N/A	↓	1045	4	X		X									-02
MW-38-121919	↓	GW	↓	↓	1345	4	X		X									-03
MW-40-121919	↓	GW	↓	↓	1340	3	X											-04
MW-17B-121919	↓	GW	↓	↓	1625	3	X											-05
MW-17B-D-121919	↓	GW	↓	↓	1630	3	X											-06
MW-28-121919	↓	GW	↓	↓	1635	3	X											-07
EB03-121919	↓	GW	↓	↓	1655	3	X											-08
TB03-121919	↓	GW	↓	↓	NO TIME	3 1	X	X										-09
		GW				3	X											

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

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

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking # 1382 4807 4557

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	12/19/19	1830		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5 °C 0.1+1=2.0 Bottles Received: 27	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 12/20/19 Time: 9:30	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 31, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1173620
Samples Received:	12/21/2019
Project Number:	D3159800 B.PN.GEN.LD
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

MW-46-122019 L1173620-01 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 15:10 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402906	1	12/27/19 19:22	12/27/19 19:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 14:45	12/26/19 14:45	BMB	Mt. Juliet, TN

MW-23-122019 L1173620-02 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 14:20 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 15:04	12/26/19 15:04	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402920	20	12/27/19 15:59	12/27/19 15:59	BMB	Mt. Juliet, TN

MW-34-122019 L1173620-03 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 08:55 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 15:24	12/26/19 15:24	BMB	Mt. Juliet, TN

MW-15B-122019 L1173620-04 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 08:40 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	10	12/26/19 15:43	12/26/19 15:43	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402920	100	12/27/19 16:18	12/27/19 16:18	BMB	Mt. Juliet, TN

MW-15B-D-122019 L1173620-05 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 08:45 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	10	12/26/19 16:02	12/26/19 16:02	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402920	100	12/27/19 16:37	12/27/19 16:37	BMB	Mt. Juliet, TN

FB04-122019 L1173620-06 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 15:35 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 12:50	12/26/19 12:50	BMB	Mt. Juliet, TN

TB04-122019 L1173620-07 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 00:00 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 13:09	12/26/19 13:09	BMB	Mt. Juliet, TN

MW-12B-122019 L1173620-08 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 11:15 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402635	1	12/26/19 16:22	12/26/19 16:22	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402920	1	12/27/19 16:56	12/27/19 16:56	BMB	Mt. Juliet, TN

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

Chris McCord
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	22400		5000	1	12/27/2019 19:22	WG1402906

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	7.14		1.00	1	12/26/2019 14:45	WG1402635
Toluene	ND		1.00	1	12/26/2019 14:45	WG1402635
Ethylbenzene	ND		1.00	1	12/26/2019 14:45	WG1402635
Total Xylenes	ND		3.00	1	12/26/2019 14:45	WG1402635
Methyl tert-butyl ether	121		1.00	1	12/26/2019 14:45	WG1402635
Naphthalene	ND		5.00	1	12/26/2019 14:45	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 14:45	WG1402635
(S) Toluene-d8	*103*		*80.0-120*		*12/26/2019 14:45*	WG1402635
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*12/26/2019 14:45*	WG1402635
(S) 1,2-Dichloroethane-d4	*85.8*		*70.0-130*		*12/26/2019 14:45*	WG1402635

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	575		20.0	20	12/27/2019 15:59	WG1402920
Toluene	12.0		1.00	1	12/26/2019 15:04	WG1402635
Ethylbenzene	10.1		1.00	1	12/26/2019 15:04	WG1402635
Total Xylenes	279		3.00	1	12/26/2019 15:04	WG1402635
Methyl tert-butyl ether	41.8		1.00	1	12/26/2019 15:04	WG1402635
Naphthalene	11.0		5.00	1	12/26/2019 15:04	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 15:04	WG1402635
(S) Toluene-d8	*104*		*80.0-120*		*12/26/2019 15:04*	WG1402635
(S) Toluene-d8	*105*		*80.0-120*		*12/27/2019 15:59*	WG1402920
(S) 4-Bromofluorobenzene	*84.5*		*77.0-126*		*12/26/2019 15:04*	WG1402635
(S) 4-Bromofluorobenzene	*94.9*		*77.0-126*		*12/27/2019 15:59*	WG1402920
(S) 1,2-Dichloroethane-d4	*82.5*		*70.0-130*		*12/26/2019 15:04*	WG1402635
(S) 1,2-Dichloroethane-d4	*86.8*		*70.0-130*		*12/27/2019 15:59*	WG1402920

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	157		1.00	1	12/26/2019 15:24	WG1402635
Toluene	ND		1.00	1	12/26/2019 15:24	WG1402635
Ethylbenzene	1.73		1.00	1	12/26/2019 15:24	WG1402635
Total Xylenes	21.0		3.00	1	12/26/2019 15:24	WG1402635
Methyl tert-butyl ether	173		1.00	1	12/26/2019 15:24	WG1402635
Naphthalene	ND		5.00	1	12/26/2019 15:24	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 15:24	WG1402635
(S) Toluene-d8	*103*		*80.0-120*		*12/26/2019 15:24*	WG1402635
(S) 4-Bromofluorobenzene	*88.3*		*77.0-126*		*12/26/2019 15:24*	WG1402635
(S) 1,2-Dichloroethane-d4	*86.4*		*70.0-130*		*12/26/2019 15:24*	WG1402635

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4200		100	100	12/27/2019 16:18	WG1402920
Toluene	2690		100	100	12/27/2019 16:18	WG1402920
Ethylbenzene	238		10.0	10	12/26/2019 15:43	WG1402635
Total Xylenes	2260		30.0	10	12/26/2019 15:43	WG1402635
Methyl tert-butyl ether	212		10.0	10	12/26/2019 15:43	WG1402635
Naphthalene	ND		50.0	10	12/26/2019 15:43	WG1402635
1,2-Dichloroethane	ND		10.0	10	12/26/2019 15:43	WG1402635
(S) Toluene-d8	*103*		*80.0-120*		*12/26/2019 15:43*	WG1402635
(S) Toluene-d8	*107*		*80.0-120*		*12/27/2019 16:18*	WG1402920
(S) 4-Bromofluorobenzene	*97.1*		*77.0-126*		*12/26/2019 15:43*	WG1402635
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*		*12/27/2019 16:18*	WG1402920
(S) 1,2-Dichloroethane-d4	*86.2*		*70.0-130*		*12/26/2019 15:43*	WG1402635
(S) 1,2-Dichloroethane-d4	*89.1*		*70.0-130*		*12/27/2019 16:18*	WG1402920

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4300		100	100	12/27/2019 16:37	WG1402920
Toluene	2750		100	100	12/27/2019 16:37	WG1402920
Ethylbenzene	230		10.0	10	12/26/2019 16:02	WG1402635
Total Xylenes	2080		30.0	10	12/26/2019 16:02	WG1402635
Methyl tert-butyl ether	207		10.0	10	12/26/2019 16:02	WG1402635
Naphthalene	ND		50.0	10	12/26/2019 16:02	WG1402635
1,2-Dichloroethane	ND		10.0	10	12/26/2019 16:02	WG1402635
(S) Toluene-d8	*107*		*80.0-120*		*12/26/2019 16:02*	WG1402635
(S) Toluene-d8	*105*		*80.0-120*		*12/27/2019 16:37*	WG1402920
(S) 4-Bromofluorobenzene	*80.3*		*77.0-126*		*12/26/2019 16:02*	WG1402635
(S) 4-Bromofluorobenzene	*92.6*		*77.0-126*		*12/27/2019 16:37*	WG1402920
(S) 1,2-Dichloroethane-d4	*86.9*		*70.0-130*		*12/26/2019 16:02*	WG1402635
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*12/27/2019 16:37*	WG1402920

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/26/2019 12:50	WG1402635
Toluene	ND		1.00	1	12/26/2019 12:50	WG1402635
Ethylbenzene	ND		1.00	1	12/26/2019 12:50	WG1402635
Total Xylenes	ND		3.00	1	12/26/2019 12:50	WG1402635
Methyl tert-butyl ether	ND		1.00	1	12/26/2019 12:50	WG1402635
Naphthalene	ND		5.00	1	12/26/2019 12:50	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 12:50	WG1402635
(S) Toluene-d8	*105*		*80.0-120*		*12/26/2019 12:50*	WG1402635
(S) 4-Bromofluorobenzene	*93.2*		*77.0-126*		*12/26/2019 12:50*	WG1402635
(S) 1,2-Dichloroethane-d4	*87.6*		*70.0-130*		*12/26/2019 12:50*	WG1402635

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/26/2019 13:09	WG1402635
Toluene	ND		1.00	1	12/26/2019 13:09	WG1402635
Ethylbenzene	ND		1.00	1	12/26/2019 13:09	WG1402635
Total Xylenes	ND		3.00	1	12/26/2019 13:09	WG1402635
Methyl tert-butyl ether	ND		1.00	1	12/26/2019 13:09	WG1402635
Naphthalene	ND		5.00	1	12/26/2019 13:09	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 13:09	WG1402635
(S) Toluene-d8	*102*		*80.0-120*		*12/26/2019 13:09*	WG1402635
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*12/26/2019 13:09*	WG1402635
(S) 1,2-Dichloroethane-d4	*85.5*		*70.0-130*		*12/26/2019 13:09*	WG1402635

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.09		1.00	1	12/27/2019 16:56	WG1402920
Toluene	ND		1.00	1	12/26/2019 16:22	WG1402635
Ethylbenzene	ND		1.00	1	12/26/2019 16:22	WG1402635
Total Xylenes	ND		3.00	1	12/26/2019 16:22	WG1402635
Methyl tert-butyl ether	ND		1.00	1	12/26/2019 16:22	WG1402635
Naphthalene	ND		5.00	1	12/26/2019 16:22	WG1402635
1,2-Dichloroethane	ND		1.00	1	12/26/2019 16:22	WG1402635
(S) Toluene-d8	*106*		*80.0-120*		*12/26/2019 16:22*	WG1402635
(S) Toluene-d8	*106*		*80.0-120*		*12/27/2019 16:56*	WG1402920
(S) 4-Bromofluorobenzene	*87.8*		*77.0-126*		*12/26/2019 16:22*	WG1402635
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*12/27/2019 16:56*	WG1402920
(S) 1,2-Dichloroethane-d4	*86.6*		*70.0-130*		*12/26/2019 16:22*	WG1402635
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*12/27/2019 16:56*	WG1402920

Method Blank (MB)

(MB) R3486512-1 12/27/19 09:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		77.4	5000

L1173525-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1173525-02 12/27/19 14:55 • (DUP) R3486512-3 12/27/19 15:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	6240	6130	1	1.72		15

L1173620-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1173620-01 12/27/19 19:22 • (DUP) R3486512-6 12/27/19 19:34

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	22400	23200	1	3.37		15

Laboratory Control Sample (LCS)

(LCS) R3486512-2 12/27/19 09:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39900	99.8	80.0-120	

L1173525-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1173525-02 12/27/19 14:55 • (MS) R3486512-4 12/27/19 15:18 • (MSD) R3486512-5 12/27/19 15:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	6240	57200	57300	102	102	1	80.0-120			0.0376	15

L1173620-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1173620-01 12/27/19 19:22 • (MS) R3486512-7 12/27/19 19:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	22400	72900	101	1	80.0-120	

Method Blank (MB)

(MB) R3486144-2 12/26/19 11:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3486144-1 12/26/19 09:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.37	107	70.0-130	
1,2-Dichloroethane	5.00	4.69	93.8	70.0-130	
Ethylbenzene	5.00	5.25	105	70.0-130	
Methyl tert-butyl ether	5.00	5.81	116	70.0-130	
Naphthalene	5.00	4.10	82.0	70.0-130	
Toluene	5.00	5.29	106	70.0-130	
Xylenes, Total	15.0	16.1	107	70.0-130	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*90.8*	*70.0-130*	

Method Blank (MB)

(MB) R3486589-2 12/27/19 15:07

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
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3486589-1 12/27/19 14:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	5.00	4.56	91.2	70.0-130	
Toluene	5.00	4.65	93.0	70.0-130	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*89.8*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

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

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

State Accreditations

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

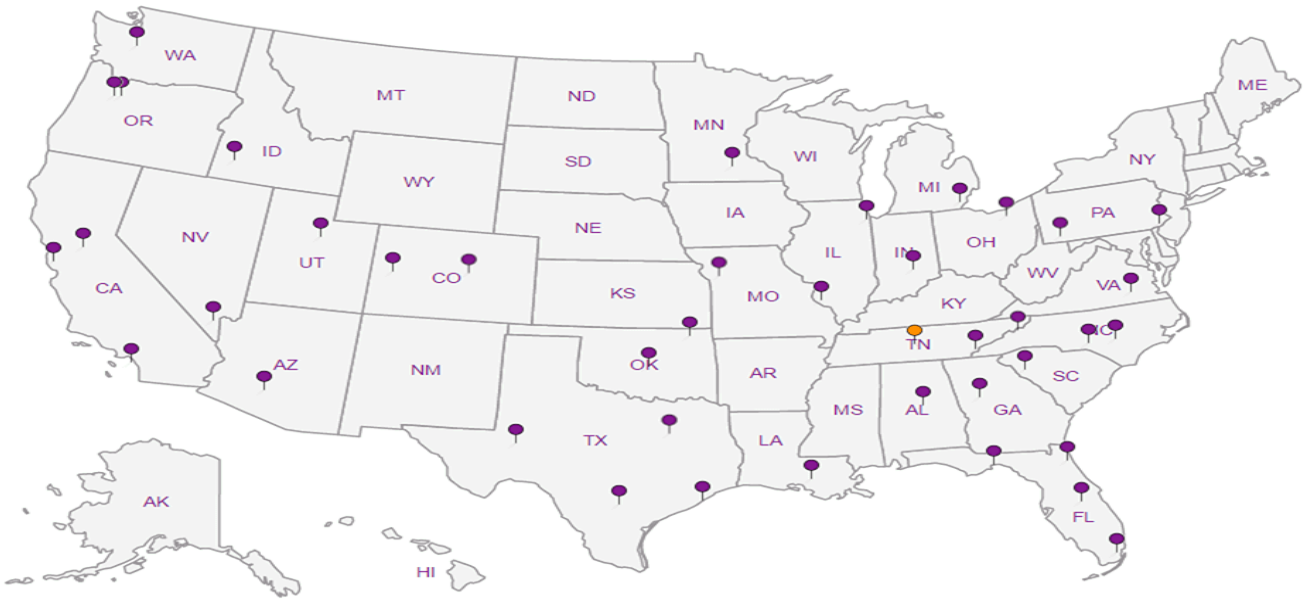
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

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

Report to: Bethany Garvey

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

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project # D3159800
B.PN.GEN.LD.PR.02

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	SULFATE 125 mL HDPE-NoPres	Remarks	Sample # (lab only)
MW-46-122019	GRAB	GW	NA	12/20/19	1510	4	X		X		-01
MW-23-122019		GW			1420	3	X				02
MW-34-122019		GW			0855	3	X				03
MW-15B-122019		GW			0840	3	X				04
MW-15B-D-122019		GW			0845	3	X				05
FB04-122019		GW			1535	3	X				06
TB04-122019	GRAB	GW			NO TIME	3	X	X			07
MW-12B-122019	GRAB	GW	NA	12/20/19	1115	3	X				08
		GW				3	X				
		GW				3	X				

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking # 1382 4807 4498

Relinquished by : (Signature) — Date: 12/20/19 — Time: 1730 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 12-21-19 — Time: 10:30

Trip Blank Received: Yes / No (HCL / MeoH / TBR) — 1

Temp: 2.3-.3=2.0°C — Bottles Received: 23

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

Sample Receipt Checklist

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

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1173620

E182

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

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 04, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1153087
Samples Received:	10/23/2019
Project Number:	D3161400
Description:	Lewis Drive Surface Water
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

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

SW11-102219 L1153087-01 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 11:50 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370382	1	10/27/19 03:23	10/27/19 03:23	JHH	Mt. Juliet, TN

SW10-102219 L1153087-02 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 12:05 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370382	1	10/27/19 03:43	10/27/19 03:43	JHH	Mt. Juliet, TN

SW09-102219 L1153087-03 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 12:15 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370382	1	10/27/19 04:03	10/27/19 04:03	JHH	Mt. Juliet, TN

SW08-102219 L1153087-04 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 12:35 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370382	1	10/27/19 04:24	10/27/19 04:24	JHH	Mt. Juliet, TN

SW13-102219 L1153087-05 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 12:45 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1372564	1	10/30/19 21:15	10/30/19 21:15	JCP	Mt. Juliet, TN

SW04-102219 L1153087-06 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 14:25 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 01:47	10/27/19 01:47	JCP	Mt. Juliet, TN

SW02-102219 L1153087-07 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 14:35 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 02:06	10/27/19 02:06	JCP	Mt. Juliet, TN

SW01-102219 L1153087-08 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 14:45 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 02:26	10/27/19 02:26	JCP	Mt. Juliet, TN

SW07-102219 L1153087-09 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 14:50 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 02:45	10/27/19 02:45	JCP	Mt. Juliet, TN

SW12-102219 L1153087-10 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 15:00 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 03:05	10/27/19 03:05	JCP	Mt. Juliet, TN

SW03-102219 L1153087-11 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 15:05 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 03:25	10/27/19 03:25	JCP	Mt. Juliet, TN

SW14-102219 L1153087-12 GW

Collected by: Melissa Warren | Collected date/time: 10/22/19 15:25 | Received date/time: 10/23/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 03:44	10/27/19 03:44	JCP	Mt. Juliet, TN

TB01-102219 L1153087-13 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1370388	1	10/27/19 01:27	10/27/19 01:27	JCP	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 03:23	WG1370382
Toluene	ND		1.00	1	10/27/2019 03:23	WG1370382
Ethylbenzene	ND		1.00	1	10/27/2019 03:23	WG1370382
o-Xylene	ND		1.00	1	10/27/2019 03:23	WG1370382
m&p-Xylene	ND		2.00	1	10/27/2019 03:23	WG1370382
Total Xylenes	ND		3.00	1	10/27/2019 03:23	WG1370382
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 03:23	WG1370382
Naphthalene	ND		5.00	1	10/27/2019 03:23	WG1370382
(S) Toluene-d8	*101*		*80.0-120*		*10/27/2019 03:23*	WG1370382
(S) 4-Bromofluorobenzene	*110*		*77.0-126*		*10/27/2019 03:23*	WG1370382
(S) 1,2-Dichloroethane-d4	*93.0*		*70.0-130*		*10/27/2019 03:23*	WG1370382

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 03:43	WG1370382
Toluene	ND		1.00	1	10/27/2019 03:43	WG1370382
Ethylbenzene	ND		1.00	1	10/27/2019 03:43	WG1370382
o-Xylene	ND		1.00	1	10/27/2019 03:43	WG1370382
m&p-Xylene	ND		2.00	1	10/27/2019 03:43	WG1370382
Total Xylenes	ND		3.00	1	10/27/2019 03:43	WG1370382
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 03:43	WG1370382
Naphthalene	ND		5.00	1	10/27/2019 03:43	WG1370382
(S) Toluene-d8	*99.4*		*80.0-120*		*10/27/2019 03:43*	WG1370382
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*10/27/2019 03:43*	WG1370382
(S) 1,2-Dichloroethane-d4	*95.4*		*70.0-130*		*10/27/2019 03:43*	WG1370382

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 04:03	WG1370382
Toluene	ND		1.00	1	10/27/2019 04:03	WG1370382
Ethylbenzene	ND		1.00	1	10/27/2019 04:03	WG1370382
o-Xylene	ND		1.00	1	10/27/2019 04:03	WG1370382
m&p-Xylene	ND		2.00	1	10/27/2019 04:03	WG1370382
Total Xylenes	ND		3.00	1	10/27/2019 04:03	WG1370382
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 04:03	WG1370382
Naphthalene	ND		5.00	1	10/27/2019 04:03	WG1370382
(S) Toluene-d8	*99.7*		*80.0-120*		*10/27/2019 04:03*	WG1370382
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*10/27/2019 04:03*	WG1370382
(S) 1,2-Dichloroethane-d4	*93.3*		*70.0-130*		*10/27/2019 04:03*	WG1370382

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 04:24	WG1370382
Toluene	ND		1.00	1	10/27/2019 04:24	WG1370382
Ethylbenzene	ND		1.00	1	10/27/2019 04:24	WG1370382
o-Xylene	ND		1.00	1	10/27/2019 04:24	WG1370382
m&p-Xylene	ND		2.00	1	10/27/2019 04:24	WG1370382
Total Xylenes	ND		3.00	1	10/27/2019 04:24	WG1370382
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 04:24	WG1370382
Naphthalene	ND		5.00	1	10/27/2019 04:24	WG1370382
(S) Toluene-d8	*94.4*		*80.0-120*		*10/27/2019 04:24*	WG1370382
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*10/27/2019 04:24*	WG1370382
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*10/27/2019 04:24*	WG1370382

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/30/2019 21:15	WG1372564
Toluene	ND		1.00	1	10/30/2019 21:15	WG1372564
Ethylbenzene	ND		1.00	1	10/30/2019 21:15	WG1372564
o-Xylene	ND		1.00	1	10/30/2019 21:15	WG1372564
m&p-Xylene	ND		2.00	1	10/30/2019 21:15	WG1372564
Total Xylenes	ND		3.00	1	10/30/2019 21:15	WG1372564
Methyl tert-butyl ether	4.83		1.00	1	10/30/2019 21:15	WG1372564
Naphthalene	ND		5.00	1	10/30/2019 21:15	WG1372564
(S) Toluene-d8	*104*		*80.0-120*		*10/30/2019 21:15*	WG1372564
(S) 4-Bromofluorobenzene	*98.7*		*77.0-126*		*10/30/2019 21:15*	WG1372564
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*10/30/2019 21:15*	WG1372564

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 01:47	WG1370388
Toluene	ND		1.00	1	10/27/2019 01:47	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 01:47	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 01:47	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 01:47	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 01:47	WG1370388
Methyl tert-butyl ether	1.56		1.00	1	10/27/2019 01:47	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 01:47	WG1370388
(S) Toluene-d8	*95.7*		*80.0-120*		*10/27/2019 01:47*	WG1370388
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*		*10/27/2019 01:47*	WG1370388
(S) 1,2-Dichloroethane-d4	*98.7*		*70.0-130*		*10/27/2019 01:47*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 02:06	WG1370388
Toluene	ND		1.00	1	10/27/2019 02:06	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 02:06	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 02:06	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 02:06	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 02:06	WG1370388
Methyl tert-butyl ether	2.51		1.00	1	10/27/2019 02:06	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 02:06	WG1370388
(S) Toluene-d8	*96.9*		*80.0-120*		*10/27/2019 02:06*	WG1370388
(S) 4-Bromofluorobenzene	*93.8*		*77.0-126*		*10/27/2019 02:06*	WG1370388
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*10/27/2019 02:06*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 02:26	WG1370388
Toluene	ND		1.00	1	10/27/2019 02:26	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 02:26	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 02:26	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 02:26	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 02:26	WG1370388
Methyl tert-butyl ether	1.71		1.00	1	10/27/2019 02:26	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 02:26	WG1370388
(S) Toluene-d8	*94.5*		*80.0-120*		*10/27/2019 02:26*	WG1370388
(S) 4-Bromofluorobenzene	*92.4*		*77.0-126*		*10/27/2019 02:26*	WG1370388
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*10/27/2019 02:26*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 02:45	WG1370388
Toluene	ND		1.00	1	10/27/2019 02:45	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 02:45	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 02:45	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 02:45	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 02:45	WG1370388
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 02:45	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 02:45	WG1370388
(S) Toluene-d8	*96.0*		*80.0-120*		*10/27/2019 02:45*	WG1370388
(S) 4-Bromofluorobenzene	*95.0*		*77.0-126*		*10/27/2019 02:45*	WG1370388
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*10/27/2019 02:45*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 03:05	WG1370388
Toluene	ND		1.00	1	10/27/2019 03:05	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 03:05	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 03:05	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 03:05	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 03:05	WG1370388
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 03:05	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 03:05	WG1370388
(S) Toluene-d8	*94.6*		*80.0-120*		*10/27/2019 03:05*	WG1370388
(S) 4-Bromofluorobenzene	*94.1*		*77.0-126*		*10/27/2019 03:05*	WG1370388
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*10/27/2019 03:05*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 03:25	WG1370388
Toluene	ND		1.00	1	10/27/2019 03:25	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 03:25	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 03:25	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 03:25	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 03:25	WG1370388
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 03:25	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 03:25	WG1370388
(S) Toluene-d8	*95.3*		*80.0-120*		*10/27/2019 03:25*	WG1370388
(S) 4-Bromofluorobenzene	*92.2*		*77.0-126*		*10/27/2019 03:25*	WG1370388
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*10/27/2019 03:25*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 03:44	WG1370388
Toluene	ND		1.00	1	10/27/2019 03:44	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 03:44	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 03:44	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 03:44	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 03:44	WG1370388
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 03:44	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 03:44	WG1370388
(S) Toluene-d8	*98.1*		*80.0-120*		*10/27/2019 03:44*	WG1370388
(S) 4-Bromofluorobenzene	*96.0*		*77.0-126*		*10/27/2019 03:44*	WG1370388
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*10/27/2019 03:44*	WG1370388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/27/2019 01:27	WG1370388
Toluene	ND		1.00	1	10/27/2019 01:27	WG1370388
Ethylbenzene	ND		1.00	1	10/27/2019 01:27	WG1370388
o-Xylene	ND		1.00	1	10/27/2019 01:27	WG1370388
m&p-Xylene	ND		2.00	1	10/27/2019 01:27	WG1370388
Total Xylenes	ND		3.00	1	10/27/2019 01:27	WG1370388
Methyl tert-butyl ether	ND		1.00	1	10/27/2019 01:27	WG1370388
Naphthalene	ND		5.00	1	10/27/2019 01:27	WG1370388
(S) Toluene-d8	*91.9*		*80.0-120*		*10/27/2019 01:27*	WG1370388
(S) 4-Bromofluorobenzene	*89.8*		*77.0-126*		*10/27/2019 01:27*	WG1370388
(S) 1,2-Dichloroethane-d4	*98.6*		*70.0-130*		*10/27/2019 01:27*	WG1370388

Method Blank (MB)

(MB) R3465871-3 10/26/19 21:57

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	*98.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*

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

(LCS) R3465871-1 10/26/19 20:56 • (LCSD) R3465871-2 10/26/19 21:16

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	24.9	25.4	99.6	102	70.0-130			1.99	20
Ethylbenzene	25.0	23.0	22.9	92.0	91.6	70.0-130			0.436	20
Methyl tert-butyl ether	25.0	24.7	23.6	98.8	94.4	70.0-130			4.55	20
Naphthalene	25.0	23.8	23.6	95.2	94.4	70.0-130			0.844	20
Toluene	25.0	24.3	24.9	97.2	99.6	70.0-130			2.44	20
Xylenes, Total	75.0	70.8	70.7	94.4	94.3	70.0-130			0.141	20
o-Xylene	25.0	23.6	23.2	94.4	92.8	70.0-130			1.71	20
m&p-Xylenes	50.0	47.2	47.5	94.4	95.0	70.0-130			0.634	20
(S) Toluene-d8				*104*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*111*	*109*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.1*	*92.0*	*70.0-130*				

Method Blank (MB)

(MB) R3466743-2 10/27/19 00:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*94.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3466743-1 10/27/19 00:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.3	97.2	70.0-130	
Ethylbenzene	25.0	23.2	92.8	70.0-130	
Methyl tert-butyl ether	25.0	25.5	102	70.0-130	
Naphthalene	25.0	24.7	98.8	70.0-130	
Toluene	25.0	25.2	101	70.0-130	
Xylenes, Total	75.0	69.6	92.8	70.0-130	
o-Xylene	25.0	24.0	96.0	70.0-130	
m&p-Xylenes	50.0	45.6	91.2	70.0-130	
(S) Toluene-d8			*98.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3467263-2 10/30/19 19:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3467263-1 10/30/19 19:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.05	101	70.0-130	
Ethylbenzene	5.00	5.12	102	70.0-130	
Methyl tert-butyl ether	5.00	4.90	98.0	70.0-130	
Naphthalene	5.00	5.50	110	70.0-130	
Toluene	5.00	5.05	101	70.0-130	
Xylenes, Total	15.0	15.3	102	70.0-130	
o-Xylene	5.00	5.03	101	70.0-130	
m&p-Xylenes	10.0	10.3	103	70.0-130	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*119*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

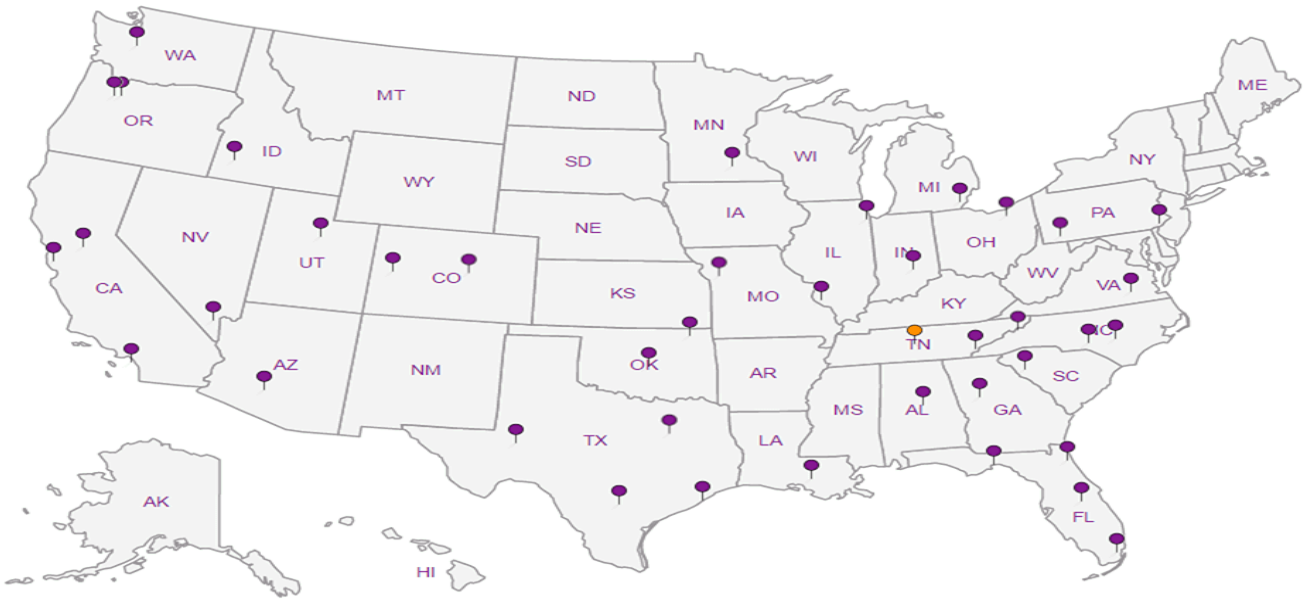
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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 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 WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pres Chk: X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW11-102219	G	GW	N/A	10/22/19	1150	3	X	SW11	-01
SW10-102219		GW			1205	3	X		02
SW09-102219		GW			1215	3	X		03
SW08-102219		GW			1235	3	X		04
SW13-102219		GW			1245	3	X		05
SW04-102219		GW			1425	3	X		06
SW02-102219		GW			1435	3	X		07
SW01-102219		GW			1445	3	X		08
SW07-102219		GW			1450	3	X		09
SW12-102219		GW			1500	3	X		10

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1153081

T A061

Acctnum: KINCH2MGA

Template: T155770

Prelogin: P729890

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 + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking # 1023 1355 6331

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/22/19	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 1.1 °C Bottles Received: 36	
~~Relinquished by : (Signature)~~	Date:	Time:	Received for lab by: (Signature)	Date: 10-23 Time: 0845	Hold: / Condition: NCF / OK

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 Surface Water

City/State Collected: BECTON, SC

Please Circle: PT MT CT ET

Phone: 770-604-9182
Fax:

Client Project # D3161400

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARNER

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 Y

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1153087
Table #
Acctnum: KINCH2MGA
Template: T155770
Prelogin: P729890
PM: 526 - Chris McCord
PB: 9-11-19
Shipped Via: FedEx Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	V8260BTEXMNSC 40mlAmb-HCl	TRIP BLANK V8260 TEXMSC-TB									Remarks	Sample # (lab only)
SW03-102219	G	GW	NA	10/22/19	1505	3		X											11
SW14-102219	↓	GW	↓	↓	1525	3		X											12
TB01-102219	↓	GW	↓	↓	—	~~3~~ 1		~~X~~	1									TRIP BLANK B	

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

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/22/19	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4, 1.1 °C Bottles Received: 1.5	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10-23 Time: 0845	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 18, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1157738
Samples Received:	11/06/2019
Project Number:	D3161400
Description:	Lewis Drive Surface Water

Report To:

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

Entire Report Reviewed By:

Chris McCord
Project Manager

SW11-110519 L1157738-01 GW

Collected by: T. Hall | Collected date/time: 11/05/19 09:55 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 12:55	11/11/19 12:55	BMB	Mt. Juliet, TN

SW10-110519 L1157738-02 GW

Collected by: T. Hall | Collected date/time: 11/05/19 10:05 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 13:14	11/11/19 13:14	BMB	Mt. Juliet, TN

SW09-110519 L1157738-03 GW

Collected by: T. Hall | Collected date/time: 11/05/19 10:20 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 13:33	11/11/19 13:33	BMB	Mt. Juliet, TN

SW08-110519 L1157738-04 GW

Collected by: T. Hall | Collected date/time: 11/05/19 10:30 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 13:52	11/11/19 13:52	BMB	Mt. Juliet, TN

SW13-110519 L1157738-05 GW

Collected by: T. Hall | Collected date/time: 11/05/19 10:35 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 14:11	11/11/19 14:11	BMB	Mt. Juliet, TN

SW04-110519 L1157738-06 GW

Collected by: T. Hall | Collected date/time: 11/05/19 10:50 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 14:30	11/11/19 14:30	BMB	Mt. Juliet, TN

SW02-110519 L1157738-07 GW

Collected by: T. Hall | Collected date/time: 11/05/19 11:00 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 14:48	11/11/19 14:48	BMB	Mt. Juliet, TN

SW01-110519 L1157738-08 GW

Collected by: T. Hall | Collected date/time: 11/05/19 11:05 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 15:07	11/11/19 15:07	BMB	Mt. Juliet, TN

SW12-110519 L1157738-09 GW

Collected by: T. Hall | Collected date/time: 11/05/19 11:40 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 15:26	11/11/19 15:26	BMB	Mt. Juliet, TN

SW03-110519 L1157738-10 GW

Collected by: T. Hall | Collected date/time: 11/05/19 11:45 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 15:45	11/11/19 15:45	BMB	Mt. Juliet, TN

SW14-110519 L1157738-11 GW

Collected by: T. Hall | Collected date/time: 11/05/19 12:00 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 16:04	11/11/19 16:04	BMB	Mt. Juliet, TN

TB01-110519 L1157738-12 GW

Collected by: T. Hall | Collected date/time: 11/05/19 00:00 | Received date/time: 11/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1378515	1	11/11/19 10:42	11/11/19 10:42	BMB	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 12:55	WG1378515
Toluene	ND		1.00	1	11/11/2019 12:55	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 12:55	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 12:55	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 12:55	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 12:55	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 12:55	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 12:55	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 12:55*	WG1378515
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*11/11/2019 12:55*	WG1378515
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 12:55*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 13:14	WG1378515
Toluene	ND		1.00	1	11/11/2019 13:14	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 13:14	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 13:14	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 13:14	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 13:14	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 13:14	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 13:14	WG1378515
(S) Toluene-d8	*104*		*80.0-120*		*11/11/2019 13:14*	WG1378515
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*11/11/2019 13:14*	WG1378515
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*11/11/2019 13:14*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 13:33	WG1378515
Toluene	ND		1.00	1	11/11/2019 13:33	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 13:33	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 13:33	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 13:33	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 13:33	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 13:33	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 13:33	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 13:33*	WG1378515
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*		*11/11/2019 13:33*	WG1378515
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*11/11/2019 13:33*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 13:52	WG1378515
Toluene	ND		1.00	1	11/11/2019 13:52	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 13:52	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 13:52	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 13:52	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 13:52	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 13:52	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 13:52	WG1378515
(S) Toluene-d8	*104*		*80.0-120*		*11/11/2019 13:52*	WG1378515
(S) 4-Bromofluorobenzene	*96.7*		*77.0-126*		*11/11/2019 13:52*	WG1378515
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*11/11/2019 13:52*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 14:11	WG1378515
Toluene	ND		1.00	1	11/11/2019 14:11	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 14:11	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 14:11	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 14:11	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 14:11	WG1378515
Methyl tert-butyl ether	2.11		1.00	1	11/11/2019 14:11	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 14:11	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 14:11*	WG1378515
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*		*11/11/2019 14:11*	WG1378515
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*11/11/2019 14:11*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 14:30	WG1378515
Toluene	ND		1.00	1	11/11/2019 14:30	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 14:30	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 14:30	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 14:30	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 14:30	WG1378515
Methyl tert-butyl ether	1.71		1.00	1	11/11/2019 14:30	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 14:30	WG1378515
(S) Toluene-d8	*106*		*80.0-120*		*11/11/2019 14:30*	WG1378515
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*11/11/2019 14:30*	WG1378515
(S) 1,2-Dichloroethane-d4	*118*		*70.0-130*		*11/11/2019 14:30*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 14:48	WG1378515
Toluene	ND		1.00	1	11/11/2019 14:48	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 14:48	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 14:48	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 14:48	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 14:48	WG1378515
Methyl tert-butyl ether	4.70		1.00	1	11/11/2019 14:48	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 14:48	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 14:48*	WG1378515
(S) 4-Bromofluorobenzene	*94.7*		*77.0-126*		*11/11/2019 14:48*	WG1378515
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*11/11/2019 14:48*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 15:07	WG1378515
Toluene	ND		1.00	1	11/11/2019 15:07	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 15:07	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 15:07	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 15:07	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 15:07	WG1378515
Methyl tert-butyl ether	2.09		1.00	1	11/11/2019 15:07	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 15:07	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 15:07*	WG1378515
(S) 4-Bromofluorobenzene	*95.4*		*77.0-126*		*11/11/2019 15:07*	WG1378515
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*11/11/2019 15:07*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.67		1.00	1	11/11/2019 15:26	WG1378515
Toluene	ND		1.00	1	11/11/2019 15:26	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 15:26	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 15:26	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 15:26	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 15:26	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 15:26	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 15:26	WG1378515
(S) Toluene-d8	*105*		*80.0-120*		*11/11/2019 15:26*	WG1378515
(S) 4-Bromofluorobenzene	*94.3*		*77.0-126*		*11/11/2019 15:26*	WG1378515
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*11/11/2019 15:26*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 15:45	WG1378515
Toluene	ND		1.00	1	11/11/2019 15:45	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 15:45	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 15:45	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 15:45	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 15:45	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 15:45	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 15:45	WG1378515
(S) Toluene-d8	*106*		*80.0-120*		*11/11/2019 15:45*	WG1378515
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*11/11/2019 15:45*	WG1378515
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*11/11/2019 15:45*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 16:04	WG1378515
Toluene	ND		1.00	1	11/11/2019 16:04	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 16:04	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 16:04	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 16:04	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 16:04	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 16:04	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 16:04	WG1378515
(S) Toluene-d8	*104*		*80.0-120*		*11/11/2019 16:04*	WG1378515
(S) 4-Bromofluorobenzene	*99.0*		*77.0-126*		*11/11/2019 16:04*	WG1378515
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/11/2019 16:04*	WG1378515

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	11/11/2019 10:42	WG1378515
Toluene	ND		1.00	1	11/11/2019 10:42	WG1378515
Ethylbenzene	ND		1.00	1	11/11/2019 10:42	WG1378515
o-Xylene	ND		1.00	1	11/11/2019 10:42	WG1378515
m&p-Xylene	ND		2.00	1	11/11/2019 10:42	WG1378515
Total Xylenes	ND		3.00	1	11/11/2019 10:42	WG1378515
Methyl tert-butyl ether	ND		1.00	1	11/11/2019 10:42	WG1378515
Naphthalene	ND		5.00	1	11/11/2019 10:42	WG1378515
(S) Toluene-d8	*103*		*80.0-120*		*11/11/2019 10:42*	WG1378515
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*11/11/2019 10:42*	WG1378515
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*11/11/2019 10:42*	WG1378515

Method Blank (MB)

(MB) R3471745-3 11/11/19 09:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

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

(LCS) R3471745-1 11/11/19 08:41 • (LCSD) R3471745-2 11/11/19 09:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.84	4.86	96.8	97.2	70.0-130			0.412	20
Ethylbenzene	5.00	4.37	4.60	87.4	92.0	70.0-130			5.13	20
Methyl tert-butyl ether	5.00	4.99	4.84	99.8	96.8	70.0-130			3.05	20
Naphthalene	5.00	3.59	3.83	71.8	76.6	70.0-130			6.47	20
Toluene	5.00	4.59	4.72	91.8	94.4	70.0-130			2.79	20
Xylenes, Total	15.0	13.6	13.5	90.7	90.0	70.0-130			0.738	20
o-Xylene	5.00	4.44	4.50	88.8	90.0	70.0-130			1.34	20
m&p-Xylenes	10.0	9.15	9.04	91.5	90.4	70.0-130			1.21	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.7*	*97.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*116*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

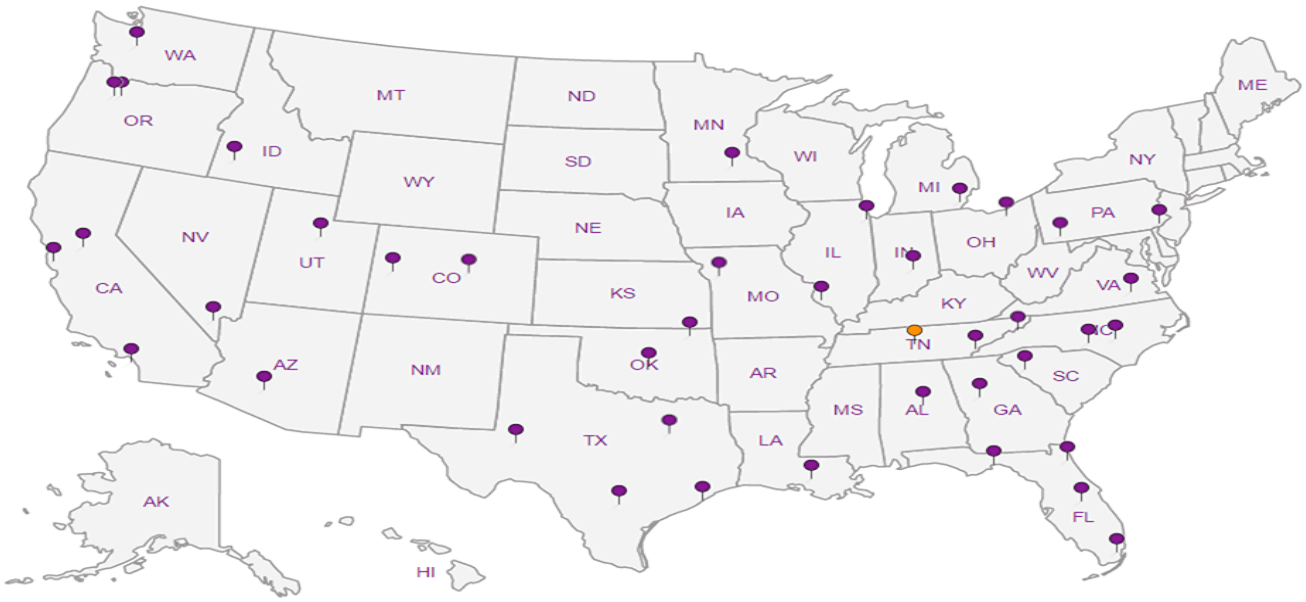
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

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

Report to: **Bethany Garvey**

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

Project Description: **Lewis Drive Surface Water**

City/State Collected: BELTON, SC

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

Client Project # D316140.0

Lab Project # **KINCH2MGA-LEWIS**

Collected by (print): T. HALL

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	VOCs (BTEX, MTBE, Naphthalene) BY - 8260B	Remarks	Sample # (lab only)
SW11-110519	G	SW		11-05-19	0955	3		✓		-01
SW10-110519		SW			1005	3		✓		02
SW09-110519		SW			1020	3		✓		03
SW08-110519					1030	3		✓		04
SW13-110519					1035	3		✓		05
SW04-110519					1050	3		✓		06
SW02-110519					1100	3		✓		07
SW01-110519					1105	3		✓		08
SW12-110519					1140	3		✓		09
SW03-110519					1145	3		✓		10

Chain of Custody Page 1 of 2

Pace Analytical
National Center for Testing & Innovation

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

L# L1157738
D234

Acctnum: **KINCH2MGA**
Template: **T122207**
Prelogin: **P664761**
TSR: **526 - Chris McCord**
PB:
Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 108259909702

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11-05-19	1730		1	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6-2-3.4 °C Bottles Received: 36	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/6/19 Time: 8:45	Hold: Condition: NCF / OK

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~~ SURFACE WATER (GW)

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): T. HALL

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #:

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	VOCs (BTEX, MTBE, Naphthalene) By 8260B	Remarks	Sample # (lab only)
SW14-110519	G	GW		11-05-19	1200	3				✓		-11
TB01-110519	—	GW	—	LAB	LAB	1				✓		-12
		GW										
		GW										
		GW										

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1157738

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 _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 108259909702

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11-05-19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6+2=3.4°C #3 °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/6/19 Time: 8:45	Hold: / Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 31, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1173518
Samples Received:	12/21/2019
Project Number:	D3159800 B.PN.GEN.LO
Description:	Lewis Drive Surface Water
Site:	LEWIS DRIVE
Report To:	Bethany Garvey Ten 10th Street NW Suite 1400 Atlanta, GA 30309

Entire Report Reviewed By:

Chris McCord
Project Manager

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

SW11-122019 L1173518-01 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 10:00 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 16:36	12/24/19 16:36	DWR	Mt. Juliet, TN

SW10-122019 L1173518-02 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 10:17 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 16:55	12/24/19 16:55	DWR	Mt. Juliet, TN

SW09-122019 L1173518-03 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 10:45 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 17:14	12/24/19 17:14	DWR	Mt. Juliet, TN

SW08-122019 L1173518-04 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 10:53 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 17:33	12/24/19 17:33	DWR	Mt. Juliet, TN

SW13-122019 L1173518-05 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 11:05 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 18:58	12/27/19 18:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 17:52	12/24/19 17:52	DWR	Mt. Juliet, TN

SW04-122019 L1173518-06 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 13:05 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 19:11	12/27/19 19:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 18:12	12/24/19 18:12	DWR	Mt. Juliet, TN

SW02-122019 L1173518-07 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 13:20 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 19:24	12/27/19 19:24	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 18:31	12/24/19 18:31	DWR	Mt. Juliet, TN

SW01-122019 L1173518-08 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 13:50 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 19:37	12/27/19 19:37	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 18:50	12/24/19 18:50	DWR	Mt. Juliet, TN

SW07-122019 L1173518-09 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 13:55 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 19:09	12/24/19 19:09	DWR	Mt. Juliet, TN

SW12-122019 L1173518-10 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 14:15 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 19:50	12/27/19 19:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 19:28	12/24/19 19:28	DWR	Mt. Juliet, TN

SW03-122019 L1173518-11 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 14:25 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 19:48	12/24/19 19:48	DWR	Mt. Juliet, TN

SW14-122019 L1173518-12 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 14:52 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1402905	1	12/27/19 20:56	12/27/19 20:56	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 20:07	12/24/19 20:07	DWR	Mt. Juliet, TN

TB05-122019 L1173518-13 GW

Collected by: Melissa Warren | Collected date/time: 12/20/19 00:00 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1402105	1	12/24/19 16:17	12/24/19 16:17	DWR	Mt. Juliet, TN

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

Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 16:36	WG1402105
Toluene	ND		1.00	1	12/24/2019 16:36	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 16:36	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 16:36	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 16:36	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 16:36	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 16:36	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 16:36	WG1402105
(S) Toluene-d8	*108*		*80.0-120*		*12/24/2019 16:36*	WG1402105
(S) 4-Bromofluorobenzene	*94.2*		*77.0-126*		*12/24/2019 16:36*	WG1402105
(S) 1,2-Dichloroethane-d4	*85.1*		*70.0-130*		*12/24/2019 16:36*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 16:55	WG1402105
Toluene	ND		1.00	1	12/24/2019 16:55	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 16:55	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 16:55	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 16:55	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 16:55	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 16:55	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 16:55	WG1402105
(S) Toluene-d8	*106*		*80.0-120*		*12/24/2019 16:55*	WG1402105
(S) 4-Bromofluorobenzene	*89.8*		*77.0-126*		*12/24/2019 16:55*	WG1402105
(S) 1,2-Dichloroethane-d4	*82.3*		*70.0-130*		*12/24/2019 16:55*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 17:14	WG1402105
Toluene	ND		1.00	1	12/24/2019 17:14	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 17:14	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 17:14	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 17:14	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 17:14	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 17:14	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 17:14	WG1402105
(S) Toluene-d8	*107*		*80.0-120*		*12/24/2019 17:14*	WG1402105
(S) 4-Bromofluorobenzene	*87.9*		*77.0-126*		*12/24/2019 17:14*	WG1402105
(S) 1,2-Dichloroethane-d4	*87.8*		*70.0-130*		*12/24/2019 17:14*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 17:33	WG1402105
Toluene	ND		1.00	1	12/24/2019 17:33	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 17:33	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 17:33	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 17:33	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 17:33	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 17:33	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 17:33	WG1402105
(S) Toluene-d8	*103*		*80.0-120*		*12/24/2019 17:33*	WG1402105
(S) 4-Bromofluorobenzene	*93.5*		*77.0-126*		*12/24/2019 17:33*	WG1402105
(S) 1,2-Dichloroethane-d4	*86.6*		*70.0-130*		*12/24/2019 17:33*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	33000		5000	1	12/27/2019 18:58	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 17:52	WG1402105
Toluene	ND		1.00	1	12/24/2019 17:52	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 17:52	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 17:52	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 17:52	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 17:52	WG1402105
Methyl tert-butyl ether	1.09		1.00	1	12/24/2019 17:52	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 17:52	WG1402105
(S) Toluene-d8	*107*		*80.0-120*		*12/24/2019 17:52*	WG1402105
(S) 4-Bromofluorobenzene	*89.5*		*77.0-126*		*12/24/2019 17:52*	WG1402105
(S) 1,2-Dichloroethane-d4	*87.1*		*70.0-130*		*12/24/2019 17:52*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/27/2019 19:11	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 18:12	WG1402105
Toluene	ND		1.00	1	12/24/2019 18:12	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 18:12	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 18:12	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 18:12	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 18:12	WG1402105
Methyl tert-butyl ether	1.06		1.00	1	12/24/2019 18:12	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 18:12	WG1402105
(S) Toluene-d8	*105*		*80.0-120*		*12/24/2019 18:12*	WG1402105
(S) 4-Bromofluorobenzene	*92.2*		*77.0-126*		*12/24/2019 18:12*	WG1402105
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*12/24/2019 18:12*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/27/2019 19:24	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9.47		1.00	1	12/24/2019 18:31	WG1402105
Toluene	ND		1.00	1	12/24/2019 18:31	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 18:31	WG1402105
o-Xylene	2.23		1.00	1	12/24/2019 18:31	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 18:31	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 18:31	WG1402105
Methyl tert-butyl ether	2.68		1.00	1	12/24/2019 18:31	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 18:31	WG1402105
(S) Toluene-d8	*105*		*80.0-120*		*12/24/2019 18:31*	WG1402105
(S) 4-Bromofluorobenzene	*84.9*		*77.0-126*		*12/24/2019 18:31*	WG1402105
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*12/24/2019 18:31*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/27/2019 19:37	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.25		1.00	1	12/24/2019 18:50	WG1402105
Toluene	ND		1.00	1	12/24/2019 18:50	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 18:50	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 18:50	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 18:50	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 18:50	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 18:50	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 18:50	WG1402105
(S) Toluene-d8	*103*		*80.0-120*		*12/24/2019 18:50*	WG1402105
(S) 4-Bromofluorobenzene	*92.0*		*77.0-126*		*12/24/2019 18:50*	WG1402105
(S) 1,2-Dichloroethane-d4	*83.6*		*70.0-130*		*12/24/2019 18:50*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 19:09	WG1402105
Toluene	ND		1.00	1	12/24/2019 19:09	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 19:09	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 19:09	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 19:09	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 19:09	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 19:09	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 19:09	WG1402105
(S) Toluene-d8	*105*		*80.0-120*		*12/24/2019 19:09*	WG1402105
(S) 4-Bromofluorobenzene	*86.0*		*77.0-126*		*12/24/2019 19:09*	WG1402105
(S) 1,2-Dichloroethane-d4	*86.5*		*70.0-130*		*12/24/2019 19:09*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/27/2019 19:50	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 19:28	WG1402105
Toluene	ND		1.00	1	12/24/2019 19:28	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 19:28	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 19:28	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 19:28	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 19:28	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 19:28	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 19:28	WG1402105
(S) Toluene-d8	*106*		*80.0-120*		*12/24/2019 19:28*	WG1402105
(S) 4-Bromofluorobenzene	*89.1*		*77.0-126*		*12/24/2019 19:28*	WG1402105
(S) 1,2-Dichloroethane-d4	*86.8*		*70.0-130*		*12/24/2019 19:28*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 19:48	WG1402105
Toluene	ND		1.00	1	12/24/2019 19:48	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 19:48	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 19:48	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 19:48	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 19:48	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 19:48	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 19:48	WG1402105
(S) Toluene-d8	*105*		*80.0-120*		*12/24/2019 19:48*	WG1402105
(S) 4-Bromofluorobenzene	*93.9*		*77.0-126*		*12/24/2019 19:48*	WG1402105
(S) 1,2-Dichloroethane-d4	*85.6*		*70.0-130*		*12/24/2019 19:48*	WG1402105

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Sulfate	ND		5000	1	12/27/2019 20:56	WG1402905

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 20:07	WG1402105
Toluene	ND		1.00	1	12/24/2019 20:07	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 20:07	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 20:07	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 20:07	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 20:07	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 20:07	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 20:07	WG1402105
(S) Toluene-d8	*104*		*80.0-120*		*12/24/2019 20:07*	WG1402105
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*12/24/2019 20:07*	WG1402105
(S) 1,2-Dichloroethane-d4	*83.5*		*70.0-130*		*12/24/2019 20:07*	WG1402105

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/24/2019 16:17	WG1402105
Toluene	ND		1.00	1	12/24/2019 16:17	WG1402105
Ethylbenzene	ND		1.00	1	12/24/2019 16:17	WG1402105
o-Xylene	ND		1.00	1	12/24/2019 16:17	WG1402105
m&p-Xylene	ND		2.00	1	12/24/2019 16:17	WG1402105
Total Xylenes	ND		3.00	1	12/24/2019 16:17	WG1402105
Methyl tert-butyl ether	ND		1.00	1	12/24/2019 16:17	WG1402105
Naphthalene	ND		5.00	1	12/24/2019 16:17	WG1402105
(S) Toluene-d8	*103*		*80.0-120*		*12/24/2019 16:17*	WG1402105
(S) 4-Bromofluorobenzene	*94.2*		*77.0-126*		*12/24/2019 16:17*	WG1402105
(S) 1,2-Dichloroethane-d4	*87.9*		*70.0-130*		*12/24/2019 16:17*	WG1402105

Method Blank (MB)

(MB) R3486521-1 12/27/19 14:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	459	J	77.4	5000

L1173458-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1173458-11 12/27/19 16:08 • (DUP) R3486521-3 12/27/19 16:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	3520	3520	1	0.0796	J	15

L1173518-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1173518-10 12/27/19 19:50 • (DUP) R3486521-6 12/27/19 20:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	ND	2260	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3486521-2 12/27/19 14:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	38800	96.9	80.0-120	

L1173458-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1173458-11 12/27/19 16:08 • (MS) R3486521-4 12/27/19 16:34 • (MSD) R3486521-5 12/27/19 16:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	3520	53800	54800	100	103	1	80.0-120			1.99	15

L1173518-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1173518-10 12/27/19 19:50 • (MS) R3486521-7 12/27/19 20:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	ND	51800	99.2	1	80.0-120	

Method Blank (MB)

(MB) R3485911-3 12/24/19 09:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*

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

(LCS) R3485911-1 12/24/19 08:35 • (LCSD) R3485911-2 12/24/19 08:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.69	4.71	93.8	94.2	70.0-130			0.426	20
Ethylbenzene	5.00	4.76	4.81	95.2	96.2	70.0-130			1.04	20
Methyl tert-butyl ether	5.00	4.82	4.56	96.4	91.2	70.0-130			5.54	20
Naphthalene	5.00	4.31	4.04	86.2	80.8	70.0-130			6.47	20
Toluene	5.00	4.85	4.80	97.0	96.0	70.0-130			1.04	20
Xylenes, Total	15.0	14.5	14.6	96.7	97.3	70.0-130			0.687	20
o-Xylene	5.00	4.81	4.77	96.2	95.4	70.0-130			0.835	20
m&p-Xylenes	10.0	9.70	9.85	97.0	98.5	70.0-130			1.53	20
(S) Toluene-d8				*104*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.8*	*93.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.3*	*83.8*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

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

State Accreditations

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

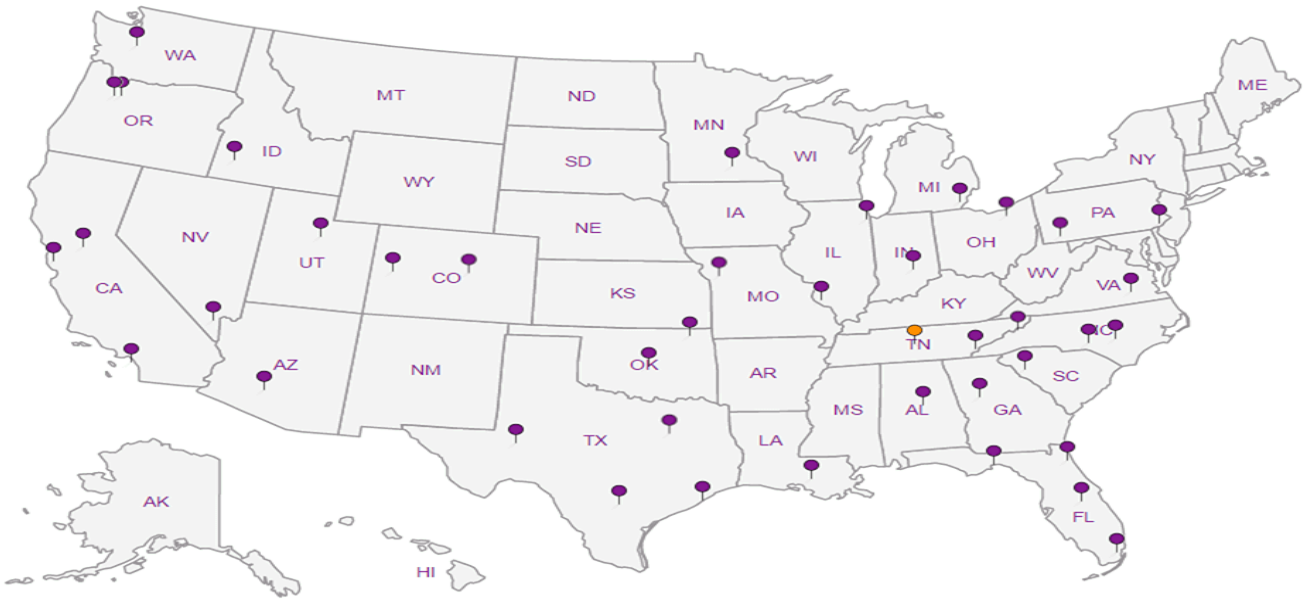
Third Party Federal Accreditations

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

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

Our Locations

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



Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Billing Information:

Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk: X X

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

Report to: **Bethany Garvey**

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

Project Description: **Lewis Drive Surface Water**

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

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

Client Project # D3159800 B.PN.GEN.LO.PA.02

Lab Project # **KINCH2MGA-LEWIS**

SDG # L1173518

A181

Collected by (print): MELISSA WARNER

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature): [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 X

Acctnum: **KINCH2MGA**
Template: **T155770**
Prelogin: **P746133**
PM: **526 - Chris McCord**
PB: 12-11-19 6m
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	SULFATE 125ml HDPE - NoPres								Remarks	Sample # (lab only)
SW11 - 122019	GRAB	GW	NA	12/20/19	1000	3	X										-01
SW10-122019	↓	GW	↓	↓	1017	3	X										-02
SW09-122019		GW			1045	3	X										-03
SW08-122019		GW			1053	3	X										-04
SW13-122019		GW			1105	4	X	X									-05
SW04-122019		GW			1305	4	X	X									-06
SW02-122019		GW			1320	4	X	X									-07
SW01-122019		GW			1350	4	X	X									-08
SW07-122019		GW			1355	3	X										-09
SW12-122019		GW			1415	4	X	X									-10

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

Remarks: **V8260BTEXMNSC=BTEX + Naphthalene + MTBE.**

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
RAD Screen <0.5 mR/hr: ✓Y _N

Samples returned via: _UPS _FedEx _Courier ________

Tracking # 1382 4807 4487

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	12/20/19	1730		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 2.1-.3=1.8 Bottles Received: 42	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 12-21 Time: 1013	Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

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

Report to: **Bethany Garvey**

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

Project Description: **Lewis Drive Surface Water**

City/State Collected: BELTON, SC

Please Circle: PT MT CT ET

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

Client Project # D3159800
B, PN, GEN, LD, PN, 02

Lab Project # **KINCH2MGA-LEWIS**

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk: Y | Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Sulfate 125ml HDPE-No Pres	Remarks	Sample # (lab only)
SW03-122019	GRAB	GW	NA	12/20/19	1425	3	X			-11
SW14-122019		GW			1452	4	X	X		-12
TB05-122019		GW			NOTIME	3	X			-13
		GW				3	X			
		GW				3	X			

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # 173518

Table #

Acctnum: **KINCH2MGA**
Template: **T155770**
Prelogin: **P746133**
PM: **526 - Chris McCord**
PB: 12-11-19gm

Shipped Via: **FedEX Ground**

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

Remarks: V8260BTEXMNSC=BTEX + Naphthalene + MTBE.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	12/20/19	1730		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 7.1-.3=1.8 IR #4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-21 Time: 1013

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK