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Delivered via trackable, overnight delivery

Mr. Ed 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: **Second 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), Jacobs Engineering Group Inc. (Jacobs) is submitting this Second Quarter 2019 Monitoring Report for the Lewis Drive Remediation Site in Belton, South Carolina. This report summarizes the work performed at the site between April 1, 2019, and June 30, 2019. As requested, this quarterly report is presented in a condensed format for ease of use; a comprehensive annual report will continue to be submitted, as discussed with DHEC during meetings on May 17 and August 12, 2019.

The June 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 the Corrective Action Plan (CAP) Addendum, Revision 2 (CH2M, 2017), Free-Product Recovery Plan – Revision 4 (CH2M-Jacobs, 2018a), and Quality Assurance Project Plan (QAPP), Revision 4 (CH2M-Jacobs, 2018b).

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

Summary of Gauging and Product Recovery

Select monitoring wells, surface water locations, and recovery features were gauged every 6 weeks. Product recovery features (recovery sumps, trenches, and wells) were gauged monthly, and sitewide gauging was conducted quarterly. Field observations made during this reporting period are summarized in Table 1. Stream and groundwater elevations are tabulated in Table 2. Groundwater elevation in residuum aquifers along with stream elevations are presented on Figure 2A. Groundwater elevation in the bedrock aquifers are presented on Figure 2B.

Water levels from the June 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 Brown's Creek. The June 2019 water table configurations and direction of groundwater flow are consistent with previous findings.

Product recovery was performed continuously in the Brown's Creek Protection Zone (BCPZ) and Cupboard Creek Protection Zone (CCPZ) in recovery wells, sumps, and trenches. During each monthly collection event, the field team recorded the product collected from each canister or sock. The amount of product collected from the canisters was tracked by measuring the fluid volume from the canister in a stainless-steel measuring cup. The amount of product collected from the absorbent socks was measured by weighing the absorbent socks before and after deployment into the recovery feature. Recovered fluids from the canisters were placed into the onsite poly tanks for temporary storage, separation, and eventual offsite disposal. Used absorbent socks were placed in a Department of Transportation (DOT)-approved, 55-gallon steel drum for offsite disposal. Table 3 shows the dates and quantities of product that was recovered. No product was shipped offsite for disposal during this reporting period.

During this second quarter 2019 reporting period, only 1.42 gallons of product were recovered at the site, with 45 percent of that recovered from RT-1A and RT-1C. Product thicknesses continue to be minimal across the site. In June 2019, measurable product thicknesses were observed at only 6 of 89 features monitored, ranging from 0.01 foot in RW-03 to 0.02 foot in the other wells with detectable product. Most notably, no monitoring well or recovery sump features within the BCPZ or the CCPZ contained measurable product. Product thickness data are presented alongside well gauging data in Table 2, while Figure 3 presents measurable product data for the site. Hydrographs for select monitoring wells and recovery features representative of general product thickness trends are provided in Attachment A.

Summary of Surface Water Sampling

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 Brown's Creek were shut off for a 24-hour period prior to conducting site surface water sampling. Surface water samples were collected every 6 weeks and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and methyl tertiary butyl ether (MTBE) using U.S. Environmental Protection Agency (EPA) Method 8260B.

During this reporting period, dissolved hydrocarbons were detected in surface water at 6 of the 13 locations sampled: SW-01, SW-02, SW-04, SW-12, SW-13, and SW-14 (Table 4A). Benzene, 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), was isolated to SW-01 and SW-02 and was nondetect at both during the June 2019 event. Surface water sample results are summarized in Table 4A; historical data for surface water samples are summarized in Table 4B. Trends for surface water sampling locations SW-01, SW-02, SW-04, SW-12, SW-13, and SW-14 are presented in Attachment B. The trend graphs for locations SW-01 and SW-12 show a data gap in March 2019 because these areas were dry and there was insufficient surface water for sample collection at that time. Laboratory reports for surface water samples and chain of custody (COC) records are included in Attachment D.

Summary of Groundwater Sampling

Three groundwater sampling events were performed during this reporting period: the first event was limited to new monitoring features installed in March 2019, the second event was a limited sitewide event, and the third event was a comprehensive sitewide quarterly event. The stream aerators were shut off for a 24-hour period prior to each monitoring event. A comprehensive sitewide round of groundwater gauging was conducted prior to the quarterly sampling event, and select wells were gauged during the other events within this reporting period using an oil-water interface probe to measure the depth to water and test for the presence and thickness (if present) 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, a peristaltic pump using low-flow purging, or a submersible pump. Samples were analyzed for BTEX, 1,2-dichloroethane (1,2-DCA), 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 show continued decreases in dissolved concentrations of hydrocarbons in the BCPZ, CCPZ, and Hayfield Zone. The bedrock wells, which are outside the radius of influence of vertical air sparge (VAS) and horizontal air sparge (HAS) systems, and the shallow bedrock zone (SBZ) have stable dissolved concentrations. Laboratory analytical reports and COC records for this reporting period are provided in Attachment D.

Although site-specific groundwater cleanup targets have not been established for the site, groundwater analytical results are screened against the risk-based screening levels (RBSLs) listed in the South Carolina Programmatic QAPP, 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 June 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 believed to be under the direct influence of the system; monitoring wells that have been nondetect since sampling began are not presented.

Brown's Creek Protection Zone

For wells downgradient of the system and wells within the system zone of influence, dissolved concentrations in the groundwater of the residuum aquifer continue a decreasing trend or remain stable. BTEX constituents are nondetect for the first time at MW-12 and have remained below TSLs or nondetect at MW-15, MW-28, MW-39, MW-40, and MW-41. Benzene concentrations have seemed to fluctuate at MW-34 since June 2018 and will continue to be monitored. Constituent concentrations in residuum monitoring wells MW-24, MW-25, MW-37, MW-41, MW-42, and MW-43 have been nondetect during this reporting period. MW-40 had only MTBE detections during this reporting period. Benzene concentrations have decreased in bedrock well MW-12B and remained stable in bedrock well MW-15B since the last quarterly event. Benzene was nondetect in all other BCPZ bedrock monitoring wells during this reporting period. For wells that are side-gradient of the system, dissolved concentrations are stable or nondetect. Benzene concentrations are observed to be increasing at side-gradient well MW-38 (412 µg/L in December 2018 to 950 µg/L in June 2019), but are currently stable.

Cupboard Creek Protection Zone

Since AS was initiated in March 2017, dissolved concentrations in the CCPZ have stabilized in residuum wells (MW-20, MW-23, and MW-46). MW-19 was not sampled regularly due to insufficient water, but has been sampled regularly since June 2018 with concentrations decreasing since the last quarterly event, and only total xylenes being detected in this latest June 2019 event. MW-20, which is within the influence of the sparging system, was not sampled since its installation in July 2015 through June 2018 due to the presence of free product. However, it has been sampled regularly since February 2019 with results showing stable BTEX, naphthalene, and MTBE concentrations. Monitoring well MW-23 (downgradient of the system) constituents are below TSLs with the exception of benzene, while monitoring well MW-26 (downgradient of the system) and monitoring well MW-29 (side-gradient of the system) were nondetect for the constituents analyzed during this period. No constituents were detected in downgradient bedrock monitoring wells (MW-23B and MW-26B) in the CCPZ.

Since the installation of MW-46 in September 2017, benzene concentrations increased from 294 µg/L in June 2018 to 1,300 µg/L in June 2019, but have remained stable since August 2018. Monitoring wells MW-56 and MW-57, installed in March 2019 to further delineate dissolved concentrations downgradient of MW-46, have had benzene and MTBE concentrations above their respective TSLs. There are not enough data yet to indicate any trends.

Hayfield Zone

A significant reduction of concentrations and number of detected constituents exceeding TSLs was observed in the residuum groundwater wells of the Hayfield Zone. During the June 2019 event, 29 of 37 monitoring wells sampled in the Hayfield Zone were nondetect or below the respective TSLs for BTEX constituents. In monitoring wells MW-13, MW-13B, MW-09, MW-09B, and MW-17, BTEX concentrations decreased during this reporting period by one to three orders of magnitude with current concentrations below TSLs and nondetect at MW-09 and MW-09B, respectively.

In the Hayfield Zone during this reporting period, benzene was detected above the TSL in 5 of 27 residuum monitoring wells. Toluene concentrations exceeded the TSL in MW-07 (which is upgradient of the Cupboard Creek AS curtain). Naphthalene concentrations exceeded the TSL in MW-16 and MW-18 in June 2019, and BTEX constituents in MW-16 are decreasing with benzene and naphthalene remaining above their associated TSLs. Measurable product has not been detected at MW-16 or MW-18 since June 2018 and December 2018, respectively. MW-36 and MW-07 concentrations have remained stable, while MW-09 and MW-13 concentrations have decreased during this reporting period. The analytical results for MW-51 through MW-55 have remained below the TSLs. TSL exceedances during the June 2019 event for residuum monitoring wells are shown in Exhibit 1.

Exhibit 1. TSL Exceedance in Residuum Wells in June 2019

Well	Date	Units	Benzene	Toluene	MTBE	Naphthalene
		TSLs (µg/L):	**5**	**1,000**	**40**	**25**
MW-07	6/4/2019	µg/L	1,940	3,390	1 U	6.90
MW-13	6/5/2019	µg/L	35.2	5 U	5 U	25 U
MW-16	6/4/2019	µg/L	9.56	78.9	1 U	192
MW-17	6/5/2019	µg/L	44.9	10.7	16.1	25 U
MW-18	6/4/2019	µg/L	1.46	20.9	13.6	87.5
MW-36	6/4/2019	µg/L	1,100	48.1	1 U	5 U
MW-45	6/5/2019	µg/L	1 U	1 U	47.7	5 U

Gray shading indicates the analyte exceeded TSL

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

In bedrock wells, benzene was detected above its TSL in 3 of 10 wells, ranging from 9.13 µg/L in MW-14B to 7,390 µg/L in MW-17B during the June 2019 event. Concentrations of ethylbenzene, toluene, and MTBE exceeded the TSLs at MW-17B, which is upgradient of the Cupboard Creek AS curtain. MTBE also exceeded its TSL in MW-13B and MW-50B. At bedrock wells outside the influence of the AS system, only MW-13B, MW-14B, MW-17B, and MW-50B had concentrations of BTEX and/or MTBE above TSLs during the June 2019 event. These wells will continue to be evaluated. Constituent concentrations in monitoring wells MW-02B, MW-09B, MW-36B, and MW-45B were nondetect with only small detections below TSLs in monitoring wells MW-06B and MW-48B during this reporting period.

Shallow Bedrock Zone

In the SBZ residuum aquifer, MW-11 had not been sampled since June 2017 due to the presence of free product. However, it was sampled in March and June 2019. This well is in the area of the recently expanded AS system, which is expected to directly influence groundwater in the area of MW-11 and impacts leading to the Brown's Creek area. In MW-27, benzene concentrations have been below the TSL since September 2018. The constituents analyzed at locations MW-01, MW-22, and MW-44 were nondetect for this reporting period. No constituents were detected above TSLs in bedrock monitoring wells MW-01B, MW-27B, and MW-44B in the SBZ.

Summary of Air Sparging System Operation/Maintenance and Efficiency

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

There were approximately 7 days of unscheduled system downtime associated with operation of the Brown's Creek aerators due to damage of a beaver dam and associated lowering of the creek's surface water levels. Following the beaver's restoration of its dam and associated rise of the creek's surface water levels south of Lewis Drive, the creek aerators were reactivated. Prior to conducting site surface water sampling, the stream aerators at Brown's Creek were shut off for a 24-hour period and then restarted once surface water sampling was completed.

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

- BCPZ: AS in the BCPZ was performed using 34 VAS wells screened from approximately 13 to 72 feet below ground surface (bgs). The flow rates in these wells averaged approximately 7 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 Brown's Creek. The flow rates in the aerators averaged approximately 12 scfm each during this reporting period. Beginning on April 9, 2019, newly installed AS wells VAS-47 through VAS-54 were activated. For approximately 12 weeks, the flow rates at these AS wells were increased from approximately 2 scfm to approximately 8 scfm.
- CCPZ: AS in the CCPZ was performed using a curtain of 24 VAS wells screened between approximately 9 and 31 feet bgs. The flow rates in these wells averaged approximately 7 scfm per sparging well during this reporting period. Beginning on April 9, 2019, the newly installed AS wells VAS-55 through VAS-59 were activated. For approximately 12 weeks, the flow rates at these AS wells were increased from approximately 2 scfm to approximately 8 scfm.
- 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 0.70 scfm per foot of screen during this reporting period, resulting in average flow rates of 525, 502, and 263 scfm per well, respectively. Sparging at the HAS wells was continuous during system operation.

Additional Activities

During this reporting period, the vertical AS wells (VAS-47 through VAS-59) were activated at a flow rate of approximately 2 scfm and slowly ramped up to a flow rate of approximately 8 scfm. Activation of the VAS wells was initiated on April 9, 2019, after receiving the modified underground injection control permit.

Summary of Findings

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

- The number of locations with product thicknesses greater than 0.1 foot is currently zero.
- In accordance with the CAP (CH2M, 2017), the sitewide remedial efforts are protecting potential receptors and highly effective at reducing dissolved concentrations in the groundwater. Groundwater monitoring results for this reporting period indicate that the AS system continues to decrease dissolved concentrations of hydrocarbons in the BCPZ and Hayfield Zone, while creating stable trends in the CCPZ, SBZ, bedrock wells, and in other site feature locations outside the influence of the AS system.

- The analytical results for recently installed monitoring wells MW-51 through MW-55 have been below the TSLs since installation (between August 2018 and March 2019). MW-51 and MW-52 were installed to further delineate dissolved concentration sources upgradient of MW-38. MW-53 and MW-54 were installed to delineate the dissolved plume boundaries north of MW-30. MW-55 was installed to delineate the plume boundary west of MW-36.
  - MW-51 and MW-52 results indicate no upgradient source of MW-38 concentrations, suggesting an alternate source, possibly south of MW-38.
  - MW-53 and MW-54 results defined the northern edge of the plume in the area of MW-30.
  - MW-55 results defined the western edge of the plume in the area of MW-36.
- Monitoring wells MW-56 and MW-57, installed to further delineate dissolved concentrations downgradient of MW-46, show benzene and MTBE concentrations above their respective TSLs. Since a clean downgradient boundary has not been defined for MW-46, additional monitoring wells may be suggested after the August 2019 oxidant injections.
- Although AS treatment zones have been established upgradient of both surface water bodies, periodic exceedances of the benzene surface water screening value were recorded at SW-01 in May 2019 and at SW-02 in April and May 2019. However, benzene was below its TSL for all surface water sampling locations during the June 2019 event.
- During this reporting period, the AS system had an operating uptime of approximately 96 percent. Operating flows in the stream aerators, HAS wells, and VAS wells were at approximately 85 percent, 93 percent, and 47 percent of design flow capacity, respectively.
- There are two areas located outside the direct influence of the AS system and upgradient from streams (Cupboard Creek and Brown's Creek) that have monitoring wells with increased dissolved hydrocarbon concentrations: MW-46, MW-56, and MW-57 in the CCPZ; and MW-38 in the BCPZ. Oxidant injections are planned in these areas to address these concentrations as an interim step, and depending on the oxidant injection results, a potential expansion of the AS system will be evaluated.

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 submitted on May 31, 2019 (Jacobs, 2019).
- Oxidant injections in the areas of MW-46, MW-56, and MW-57 (CCPZ), and monitoring well MW-38 (BCPZ) will be conducted in August 2019.
- Groundwater concentration trends in the monitoring well network will be reviewed to identify areas for additional remediation, if necessary, and to optimize the monitoring well network.

References

CH2M HILL Engineers, Inc. (CH2M[1]). 2017. *Corrective Action Plan Addendum, Revision 2, Lewis Drive Remediation Site, Belton, South Carolina. Site ID Number 18693 ("Kinder Morgan Belton Pipeline Release")*. October 12.

CH2M HILL Engineers, Inc. (CH2M-Jacobs). 2018a. *Free-Product Recovery Plan – Revision 4, Lewis Drive Remediation, Plantation Pipe Line Company, Belton, South Carolina. Site ID Number 18693, "Kinder Morgan Belton Pipeline Release."* February 6.

[1] CH2M was acquired by Jacobs in December 2017. CH2M is now part of Jacobs.

JACOBS

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

Jacobs. 2019. *Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 30, 2020). Lewis Drive Remediation, 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.

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.
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September 30, 2019
Date

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Attachments:

Table 1 – Field Observation Log
Table 2 – Groundwater Elevation and Product Thickness Data
Table 3 – Product Skimmer Recovery Results
Table 4A – Analytical Results for Surface Water, Second Quarter 2019
Table 4B – Analytical Results for Surface Water, Historical
Table 5A – Analytical Results for Groundwater, Second 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, December 2018, March 2019, and June 2019
Figure 4B – Groundwater Analytical Results in Bedrock Aquifer, December 2018, March 2019, and June 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 Brown's Creek Upstream and Downstream of the Culvert Under Lewis Drive (Any odor, sheen or distressed vegetation? Describe.)	Inspect Hayfield Area (Any odor, sheen or distressed vegetation? Describe.)	Inspect Shallow Bedrock Zone Area (Any odor, sheen or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-02 (Any odor, sheen or distressed vegetation? Describe.)	Inspect Hillside Adjacent to and South of SW-04 (Any odor, sheen or distressed vegetation? Describe.)
4/9/2019	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors or distressed vegetation observed in wetlands either upstream or downstream of culvert under Lewis Drive. Water levels are very high. Beavers are active in the area.	The area is very saturated. Biological sheen seen around recovery sump wells	No odors or distressed vegetation observed.		
5/16/2019	No odors, sheens, or distressed vegetation observed in wetlands south of Calhoun Road. Water is flowing freely. Grass is high in the area. Grounds Management is currently not cutting in this area.	No odors or distressed vegetation observed in wetlands either upstream or downstream of culvert under Lewis Drive. Water levels are high from beaver dam activity. Some biological sheen is noted by MW-34. Bluegill fish were observed in the creek.	No odors or distressed vegetation observed. Grass is growing in area.	No odors or distressed vegetation observed.	Sediment tube still in place. Grass growing after recent drilling.	No odors or distressed vegetation observed.
6/5/2019	No sheens or distressed vegetation observed in wetlands south of Calhoun Road. Odor present along pathway from MW-29 to MW-20. Vegetation has started to grow around the newly installed air sparge lines. No changes to vegetation west of Calhoun Road. MW-46 is missing a well plate.	No odors or distressed vegetation observed in wetlands either upstream or downstream of culvert under Lewis Drive. Water levels are high from beaver dam activity. Turbidity high near culvert but clears downstream near the dam. Chub/Shiner nests were observed in the stream near SW-11.	No odors or distressed vegetation observed. Grass is growing in area. MW-03 and piezometer well pads are unstable from air sparge system.	No distressed vegetation observed. Vegetation is growing back along the newly installed air sparge lines near MW-11 toward Brown's Creek. Odors were present around RW-03, RW-04, and RW-05.	Water is turbid near SW-02.	Approximately 5 feet southeast of SW-04 marker is a beaver path leading from Brown's Creek northeast through the woods.

Note:
ID = identification
MW = monitoring well
RT = recovery trench
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			
	6/3/2019	-	7.55	-		845.52	-	
MW-01B					852.99			
	6/3/2019	-	6.55	-		846.44	-	
MW-02					841.04			
	6/3/2019	-	3.20	-		837.84	-	bubbling within casing
MW-02B					841.19			
	6/3/2019	-	5.48	-		835.71	-	
MW-03					838.36			
	6/3/2019	-	7.00	-		831.36	-	over pressure
MW-04					844.42			
	6/3/2019	-	7.17	-		837.25	-	
MW-05					851.11			
	6/3/2019	-	9.89	-		841.22	-	
MW-06					852.92			
	6/3/2019	-	8.84	-		844.08	-	
MW-06B					852.57			
	6/3/2019	-	8.59	-		843.98	-	ant nest within casing
MW-07					853.02			
	6/3/2019	-	7.99	-		845.03	-	
	5/13/2019	-	6.90	-		846.12	-	
MW-08					844.72			
	6/3/2019	-	9.15	-		835.57	-	
	5/13/2019	8.02	9.02	**1.00**		835.70	836.43	
	4/8/2019	-	7.78	-		836.94	-	
MW-09					843.63			
	6/3/2019	-	8.08	-		835.55	-	bubbling within casing
MW-09B					843.92			
	6/3/2019	-	5.22	-		838.70	-	
MW-10					845.41			
	6/3/2019	-	11.56	-		833.85	-	
MW-11					855.63			
	6/3/2019	-	24.69	-		830.94	-	
	5/13/2019	-	23.76	-		831.87	-	
	4/8/2019	-	23.11	-		832.52	-	strong odor

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-12					834.53			
	6/3/2019	-	10.43	-		824.10	-	
	5/13/2019	-	9.24	-		825.29	-	
	4/8/2019	-	10.61	-		823.92	-	
MW-12B					834.98			
	6/3/2019	-	11.57	-		823.41	-	
	5/13/2019	-	10.31	-		824.67	-	
	4/8/2019	-	10.58	-		824.40	-	
MW-13					848.84			
	6/3/2019	-	13.52	-		835.32	-	
MW-13B					849.82			
	6/3/2019	-	14.28	-		835.54	-	
MW-14					838.70			
	6/3/2019	-	17.53	-		821.17	-	
MW-14B					840.20			
	6/3/2019	-	18.33	-		821.87	-	
MW-15					831.03			
	6/3/2019	-	4.84	-		826.19	-	
	5/13/2019	-	8.94	-		822.09	-	
	4/8/2019	-	8.25	-		822.78	-	
MW-15B					831.29			
	6/3/2019	-	13.95	-		817.34	-	
	5/13/2019	-	13.42	-		817.87	-	
	4/8/2019	-	13.38	-		817.91	-	
MW-16					847.67			
	6/3/2019	-	5.50	-		842.17	-	bubbling within casing
	5/13/2019	-	-	-		847.67	-	
MW-17					855.35			
	6/3/2019	-	9.73	-		845.62	-	
MW-17B					855.37			
	6/3/2019	-	10.69	-		844.68	-	
	5/13/2019	-	9.59	-		845.78	-	
MW-18					846.89			
	6/3/2019	-	14.70	-		832.19	-	bubbling within casing
	5/13/2019	-	12.74	-		834.15	-	unstable reading due to sparge
	4/8/2019	-	15.29	-		831.60	-	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-19					853.94			
	6/3/2019	-	8.30	-		845.64	-	
	5/13/2019	-	7.56	-		846.38	-	bubbling from system
	4/8/2019	-	9.34	-		844.60	-	strong odor
MW-20					852.89			
	6/3/2019	-	8.14	-		844.75	-	
	5/13/2019	-	7.08	-		845.81	-	
	4/8/2019	-	6.56	-		846.33	-	strong odor
MW-21					855.77			
	6/3/2019	-	12.21	-		843.56	-	
MW-22					854.60			
	6/3/2019	-	7.72	-		846.88	-	
MW-23					849.57			
	6/3/2019	-	6.63	-		842.94	-	
MW-23B					849.69			
	6/3/2019	-	5.79	-		843.90	-	
MW-24					817.92			
	6/3/2019	-	4.94	-		812.98	-	ant nest inside well
MW-24B					818.72			
	6/3/2019	-	5.44	-		813.28	-	
MW-25					826.18			
	6/3/2019	-	6.49	-		819.69	-	
	5/13/2019	-	6.26	-		819.92	-	
	4/8/2019	-	9.16	-		817.02	-	
MW-25B					823.81			
	6/3/2019	-	3.11	-		820.70	-	
	5/13/2019	-	2.51	-		821.30	-	
	4/8/2019	-	2.68	-		821.13	-	
MW-26					847.56			
	6/3/2019	-	4.13	-		843.43	-	
	5/13/2019	-	2.07	-		845.49	-	
MW-26B					847.81			
	6/3/2019	-	3.74	-		844.07	-	
MW-27					854.11			
	6/3/2019	-	21.14	-		832.97	-	ant hill

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-27B					857.14			
	6/3/2019	-	24.80	-		832.34	-	
MW-28					844.31			
	6/3/2019	-	19.14	-		825.17	-	
	5/13/2019	-	18.14	-		826.17	-	
	4/8/2019	-	17.42	-		826.89	-	
MW-29					852.20			
	6/3/2019	-	6.33	-		845.87	-	
	5/13/2019	-	4.19	-		848.01	-	
	4/8/2019	-	3.33	-		848.87	-	
MW-30					841.28			
	6/3/2019	-	10.64	-		830.64	-	
MW-31					845.04			
	6/3/2019	-	15.86	-		829.18	-	
MW-32					842.93			
	6/3/2019	-	13.55	-		829.38	-	
MW-33T					849.11			
	6/3/2019	-	21.81	-		827.30	-	
MW-34					816.35			
	6/3/2019	-	3.07	-		813.28	-	
	5/13/2019	-	2.58	-		813.77	-	
MW-35					829.40			
	6/3/2019	-	7.86	-		821.54	-	
	5/13/2019	-	7.21	-		822.19	-	
	4/8/2019	-	6.79	-		822.61	-	
MW-36					858.47			
	6/3/2019	-	14.87	-		843.60	-	
	5/13/2019	-	13.86	-		844.61	-	ant hill
MW-36B					858.15			
	6/3/2019	-	13.56	-		844.59	-	
MW-37					813.92			
	6/3/2019	-	3.19	-		810.73	-	
	5/13/2019	-	3.10	-		810.82	-	
MW-38					813.28			
	6/3/2019	-	1.36	-		811.92	-	
	5/13/2019	-	1.12	-		812.16	-	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)	Notes
MW-39					819.90			
	6/3/2019	-	4.54	-		815.36	-	
	5/13/2019	-	4.07	-		815.83	-	
	4/8/2019	-	4.09	-		815.81	-	
MW-40					817.79			
	6/3/2019	-	2.33	-		815.46	-	
	5/13/2019	-	1.72	-		816.07	-	
MW-41					819.68			
	6/3/2019	-	3.07	-		816.61	-	
	5/13/2019	-	3.28	-		816.40	-	
	4/8/2019	-	3.68	-		816.00	-	
MW-42					820.33			
	6/3/2019	-	4.52	-		815.81	-	
MW-43					818.12			
	6/3/2019	-	5.03	-		813.09	-	
MW-43B					818.80			
	6/3/2019	-	1.45	-		817.35	-	
MW-44					853.67			
	6/3/2019	-	6.89	-		846.78	-	
MW-44B					853.38			
	6/3/2019	-	8.57	-		844.81	-	
MW-45					852.47			
	6/3/2019	-	9.88	-		842.59	-	ant hill
MW-45B					852.85			
	6/3/2019	-	10.52	-		842.33	-	ant hill
MW-46					845.47			
	6/3/2019	-	6.32	-		839.15	-	
MW-47					842.98			
	6/3/2019	-	13.64	-		829.34	-	
MW-48B					832.34			
	6/3/2019	-	15.82	-		816.52	-	
MW-49					846.78			
	6/3/2019	-	14.68	-		832.10	-	
MW-50B					850.34			
	6/3/2019	-	17.75	-		832.59	-	

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			
	5/13/2019	-	17.29	-		814.63	-	
MW-52					830.09			
	5/13/2019	-	15.46	-		814.63	-	
MW-53					837.37			
	5/13/2019	-	5.84	-		831.53	-	
MW-54					840.79			
	5/13/2019	-	8.12	-		832.67	-	
MW-55					859.71			
	5/13/2019	-	14.60	-		845.11	-	
	4/8/2019	-	13.15	-		846.56	-	
MW-56					843.94			
	5/13/2019	-	4.02	-		839.92	-	
	4/8/2019	-	3.27	-		840.67	-	
MW-57					845.63			
	5/14/2019	-	5.67	-		839.96	-	
	4/8/2019	-	4.78	-		840.85	-	
RS-01					849.13			
	6/3/2019	6.09	6.11	0.02		843.02	843.03	
	5/13/2019	-	4.92	-		844.21	-	
	4/8/2019	3.40	3.41	0.01		845.72	845.73	
RS-02					849.52			
	6/3/2019	-	5.71	-		843.81	-	
	5/13/2019	-	4.12	-		845.40	-	
	4/8/2019	2.79	2.80	0.01		846.72	846.73	
RS-04					851.47			
	5/13/2019	-	5.02	-		846.45	-	
RS-05					848.31			
	6/3/2019	-	5.67	-		842.64	-	
	5/13/2019	4.76	4.87	0.11		843.44	843.52	
	4/8/2019	3.36	3.42	0.06		844.89	844.93	
RS-06					849.47			
	5/13/2019	-	4.51	-		844.96	-	
RS-07					855.08			
	5/13/2019	-	8.34	-		846.74	-	

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
RS-08					854.24			
	5/13/2019	-	8.67	-		845.57	-	
	4/8/2019	-	7.24	-		847.00	-	
RS-09					847.60			
	5/13/2019	-	4.37	-		843.23	-	
RS-10					847.42			
	5/13/2019	-	3.88	-		843.54	-	
	4/8/2019	-	2.24	-		845.18	-	
RS-11					847.44			
	5/13/2019	-	2.94	-		844.50	-	
RS-12					847.74			
	5/13/2019	-	3.27	-		844.47	-	
RS-13					845.98			
	5/13/2019	-	2.14	-		843.84	-	
RS-14					845.97			
	6/3/2019	-	3.82	-		842.15	-	
	5/13/2019	-	2.72	-		843.25	-	
	4/8/2019	-	0.96	-		845.01	-	biological sheen around well
RS-15					846.41			
	5/13/2019	-	3.14	-		843.27	-	
RS-16					845.44			
	5/13/2019	-	3.58	-		841.86	-	
RS-17					844.22			
	5/13/2019	-	3.01	-		841.21	-	
	4/8/2019	-	1.14	-		843.08	-	
RS-18					847.89			
	5/13/2019	-	4.37	-		843.52	-	
RS-20					842.69			
	5/13/2019	-	3.75	-		838.94	-	
RT-1A					854.06			
	6/3/2019	-	9.32	-		844.74	-	
	5/13/2019	-	8.04	-		846.02	-	
	4/8/2019	-	7.31	-		846.75	-	

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
RT-1B					854.15			
	6/3/2019	-	9.33	-		844.82	-	
	5/13/2019	-	8.11	-		846.04	-	
	4/8/2019	-	7.34	-		846.81	-	
RT-1C					854.55			
	6/3/2019	-	9.91	-		844.64	-	
	5/13/2019	-	9.68	-		844.87	-	
	4/8/2019	-	7.94	-		846.61	-	
RT-2A					817.48			
	5/13/2019	-	0.62	-		816.86	-	
RT-2B					817.61			
	5/13/2019	-	0.60	-		817.01	-	
RT-2C					818.06			
	5/13/2019	-	1.21	-		816.85	-	
RT-2D					818.12			
	5/13/2019	-	1.30	-		816.82	-	
RT-2E					818.25			
	5/13/2019	-	1.38	-		816.87	-	
RT-2F					818.57			
	5/13/2019	-	1.74	-		816.83	-	
RT-2G					820.07			
	5/13/2019	-	1.14	-		818.93	-	
RT-2I					819.51			
	5/13/2019	-	0.65	-		818.86	-	
RT-2J					817.63			
	5/13/2019	-	-	-		817.63	-	
RT-2K					817.40			
	5/13/2019	-	0.70	-		816.70	-	
	4/8/2019	-	0.48	-		816.92	-	
RT-2L					819.54			
	5/13/2019	-	1.01	-		818.53	-	
RW-01					851.92			
	6/3/2019	-	11.66	-		840.26	-	
	5/13/2019	-	11.63	-		840.29	-	

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-02					852.69			
	6/3/2019	19.45	19.47	0.02		833.22	833.23	
	5/13/2019	18.20	18.22	0.02		834.47	834.48	
	4/8/2019	17.47	17.48	0.01		835.21	835.22	
RW-03					852.34			
	6/3/2019	20.15	20.16	0.01		832.18	832.19	
	5/13/2019	19.16	19.20	0.04		833.14	833.17	
	4/8/2019	17.55	17.73	0.18		834.61	834.74	
RW-04					853.93			
	6/3/2019	22.84	22.86	0.02		831.07	831.09	
	5/13/2019	23.73	23.74	0.01		830.19	830.20	
	4/8/2019	22.85	22.89	0.04		831.04	831.07	
RW-05					853.53			
	6/3/2019	29.25	29.27	0.02		824.26	824.28	
	5/13/2019	28.63	28.64	0.01		824.89	824.90	
	4/8/2019	27.41	27.42	0.01		826.11	826.12	
RW-06					846.21			
	6/3/2019	-	22.71	-		823.50	-	
	5/13/2019	-	21.86	-		824.35	-	
RW-07					843.19			
	6/3/2019	-	20.00	-		823.19	-	
	5/13/2019	19.07	19.08	0.01		824.11	824.12	
	4/8/2019	18.16	18.17	0.01		825.02	825.03	
RW-08					835.48			
	6/3/2019	-	12.79	-		822.69	-	
	5/13/2019	-	12.07	-		823.41	-	
RW-09					835.12			
	6/3/2019	-	9.83	-		825.29	-	
	5/13/2019	-	8.84	-		826.28	-	
RW-10					848.53			
	6/3/2019	-	7.27	-		841.26	-	
	5/13/2019	-	6.86	-		841.67	-	
	4/8/2019	-	5.27	-		843.26	-	

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-11					852.97			
	6/3/2019	8.85	8.87	0.02		844.10	844.11	air sparging heard
	5/13/2019	-	9.84	-		843.13	-	
RW-12					854.49			
	6/3/2019	-	10.00	-		844.49	-	air sparging heard
	5/13/2019	-	8.98	-		845.51	-	
RW-14					827.54			
	6/3/2019	-	8.65	-		818.89	-	
	5/13/2019	-	8.61	-		818.93	-	
RW-15					851.64			
	6/3/2019	-	9.21	-		842.43	-	
	5/13/2019	-	7.87	-		843.77	-	
	4/8/2019	-	6.45	-		845.19	-	strong odor
SW-01					812.82			
	6/3/2019	-	0.30	-		812.52	-	
	5/13/2019	-	0.60	-		812.22	-	
SW-02					808.65			Confirmed product sheen with bailer
	6/3/2019	-	1.84	-		806.81	-	
	5/13/2019	-	1.80	-		806.85	-	inconsistent solid tone at surface
SW-03					815.09			
	6/3/2019	-	-	-		815.09	-	
	5/13/2019	-	0.70	-		814.39	-	product odor and residue
SW-05					838.75			
	6/3/2019	-	-	-		838.75	-	
	5/13/2019	-	0.35	-		838.40	-	
SW-08					802.04			
	6/3/2019	-	0.60	-		801.44	-	
	5/13/2019	-	0.70	-		801.34	-	
SW-10					778.09			
	6/3/2019	-	0.40	-		777.69	-	
	5/13/2019	-	0.50	-		777.59	-	
TW-59					834.78			
	5/13/2019	-	-	-		834.78	-	
	4/8/2019	-	9.77	-		825.01	-	

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
TW-60					828.03			
	5/13/2019	-	5.98	-		822.05	-	
	4/8/2019	-	-	-		828.03	-	
TW-66					820.31			
	5/13/2019	-	-	-		820.31	-	
	4/8/2019	-	-	-		820.31	-	
TW-67					852.71			
	5/13/2019	-	7.22	-		845.49	-	
	4/8/2019	-	6.56	-		846.15	-	
TW-73					850.53			
	5/13/2019	-	4.04	-		846.49	-	
	4/8/2019	-	4.39	-		846.14	-	

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

Well Identifier	Week 1 Volume Recovered (gal)	Week 2 Volume Recovered (gal)	Week 3 Volume Recovered (gal)	Week 4 Volume Recovered (gal)	Month 1 Volume Recovered (gal)	Month 2 Volume Recovered (gal)	Month 3 Volume Recovered (gal)	Month 4 Volume Recovered (gal)	Month 5 Volume Recovered (gal)	Month 6 Volume Recovered (gal)	Month 7 Volume Recovered (gal)	Month 8 Volume Recovered (gal)	Month 9 Volume Recovered (gal)	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)	Total Recovered to Date (gal)
Date	**2/20/2018**	**2/26/2018**	**3/9/2018**	**3/15/2018**	**4/6/2018**	**5/3/2018**	**6/7/2018**	**7/13/2018**	**8/1/2018**	**9/11/2018**	**10/5/2018**	**11/1/2018**	**12/4/2018**	**1/22/2019**	**2/19/2019**	**3/7/2019**	**4/8/2019**	**5/16/2019**	**6/3/2019**	
Product Skimmers																				
MW-08	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.001**
MW-15	-	-	0.023	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.027**
MW-20	0.004	0.017	0.016	-	0.002	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	**0.046**
RS-01	NA	NA	0.031	0.008	-	-	-	0.031	0.016	0.008	-	0.002	-	-	0.000	-	-	-	-	**0.095**
RS-02	-	-	0.001	-	-	-	0.008	0.016	0.016	-	-	0.002	-	-	0.000	-	0.002	0.006	-	**0.049**
RS-05	0.844	0.813	1.094	1.125	0.031	0.002	0.008	0.004	0.023	0.016	0.004	0.002	0.002	-	0.000	0.000	0.002	0.002	0.002	**3.972**
RS-10	0.002	-	-	-	0.008	-	-	-	0.004	0.002	0.000	-	-	-	-	0.000	-	-	-	**0.016**
RS-14	0.016	-	-	-	-	-	0.008	0.002	0.004	-	-	-	-	-	0.000	0.000	-	0.001	-	**0.030**
RS-17	-	-	0.001	-	-	-	0.008	0.002	-	-	-	-	-	-	-	0.000	-	-	-	**0.010**
RW-02	-	0.090	0.047	-	0.033	-	0.008	0.001	0.016	0.023	-	-	0.002	-	0.002	-	-	-	0.002	**0.222**
RW-03	-	-	0.008	0.008	0.002	-	0.008	0.001	0.004	0.006	0.000	-	-	0.055	-	0.141	0.102	0.002	0.070	**0.405**
RW-04	-	0.008	0.016	-	0.001	-	0.016	0.023	0.008	-	0.000	-	-	-	-	0.000	-	-	0.004	**0.075**
RW-05	-	0.016	0.016	0.656	-	0.001	0.018	-	0.047	0.031	0.508	0.000	0.156	-	0.000	-	-	-	0.039	**1.488**
RW-07	0.002	-	0.008	-	-	-	-	-	0.004	0.001	-	-	-	-	-	-	-	-	-	**0.014**
RW-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
RW-15	0.078	-	-	0.117	0.031	0.002	-	0.008	-	0.002	0.000	-	-	-	-	0.000	-	-	-	**0.238**
RW-10								0.234	0.004	-	-	-	0.002	-	-	0.000	-	-	-	**0.240**
Petroleum-Absorbent Socks																				
MW-11	0.200	0.224	-	0.256	0.200	0.008	0.221	-	-	-	-	-	-	-	-	-	-	-	-	**1.109**
RS-08	-	-	-	-	0.243	0.040	0.016	0.224	-	-	0.211	0.125	0.144	0.265	0.226	0.025	0.012	0.220	-	**1.751**
RT-2K	-	-	-	-	0.006	0.006	0.209	0.152	0.187	-	0.051	0.021	0.004	-	0.143	0.095	-	0.093	-	**0.967**
RT-1A	-	-	-	-	0.228	0.036	0.254	0.205	0.233	0.131	0.039	-	0.120	0.224	0.208	0.049	0.114	0.235	-	**2.075**
RT-1B	-	-	-	-	0.251	0.038	0.244	0.235	0.212	-	-	0.009	0.021	0.247	0.210	0.063	-	0.240	-	**1.769**
RT-1C	-	-	-	-	0.255	0.039	0.231	0.201	0.069	0.041	-	0.102	-	0.224	0.195	0.055	0.121	0.120	0.035	**1.689**
Total:	**1.145**	**1.167**	**1.259**	**2.174**	**1.291**	**0.171**	**1.263**	**1.337**	**0.845**	**0.259**	**0.815**	**0.262**	**0.450**	**1.014**	**0.985**	**0.429**	**0.353**	**0.918**	**0.152**	**16.289**

Notes:
- = no product recovered
gal = gallons
ID = identification
MW = monitoring well
NA = not applicable
RS = recovery sump
RT = recovery trench
RW = recovery well

Table 4A. Analytical Results for Surface Water, Second 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	SW01-051519	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**	
SW-02	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**	
SW-03	SW03-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	6/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
SW-04	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**	
SW-05	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	
SW-07	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
SW-08	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
SW-09	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
SW-10	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
SW-11	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
SW-12	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

Table 4A. Analytical Results for Surface Water, Second 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-13	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**			
SW-14	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		

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

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 of water in well

SW = surface water

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-01	SW01-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW01-061317	6/13/2017	µg/L	1	U	1	U	**1.90**		2	U	1	U	5	U	NA	
	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**	
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	
	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	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-02	SW02-122215	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**	
	SW02-021919	2/19/2019	µg/L	**19.7**		1	U	**2.67**		**4.60**		**4.44**		5	U	**2.12**	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE			
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b		
SW-02	SW02-030719	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**			
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			
	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			

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE			
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b		
SW-03	SW03-032117	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			
SW-04	W-DOWNGRADIEN	1/20/2015	µg/L	**95**		**27**		**310**		**110**		**63**		**94**		**2.7**			
	SW04-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW04-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-04	SW04-102215	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	
	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**	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-04	SW04-120418	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**	
SW-05	SW05-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW05-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	--	5/19/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/3/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/18/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/15/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/13/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/24/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/22/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	SW05-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW05-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	--	4/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	5/9/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	6/27/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	7/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	8/19/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/31/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/29/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/20/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/28/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	3/15/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE			
			Screening Value (µg/L):	2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b		
SW-05	--	3/21/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	3/30/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	4/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	5/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	6/13/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	7/18/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	8/2/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	12/14/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	1/9/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW05-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW05-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	--	4/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW05-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	--	6/7/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	7/12/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	--	9/14/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
	SW05-120418	12/4/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW05-021919	2/19/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW05-030719	3/7/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	SW05-051519	5/15/2019	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U		
	--	6/4/2019	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW			
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			

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE			
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b		
SW-07	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		
SW-08	SW08-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA			
	SW08-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			
	SW08-122215	12/22/2015	µg/L	**1.6**		1	U	**3.8**		**2.5**		**1.6**		1	U	NA			
	SW08-012516	1/25/2016	µg/L	**2.4**		1	U	**5.6**		**2**		**1.3**		1	U	NA			
	SW08-021816	2/18/2016	µg/L	**2.9**		1	U	**7.6**		**2.3**		**1.5**		1	U	NA			
	SW08-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA			

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-08	SW08-042716	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	
	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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE			
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b		
SW-09	SW09-022515	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			
	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			

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-09	SW09-071817	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
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	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-10	SW10-042716	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	
	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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-11	SW11-022515	2/25/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-030215	3/2/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031115	3/11/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-031815	3/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-033115	3/31/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-042215	4/22/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-050715	5/7/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-051915	5/19/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-060315	6/3/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-061815	6/18/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-071515	7/15/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-081315	8/13/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-092415	9/24/2015	µg/L	5	U[c]	5	U	5	U	10	U	5	U	5	U	NA	
	SW11-102215	10/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-112415	11/24/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-122215	12/22/2015	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-012516	1/25/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-021816	2/18/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-031616	3/16/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-042716	4/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-050916	5/9/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-062716	6/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-072816	7/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-092916	9/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-103116	10/31/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-112816	11/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-122916	12/29/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-012017	1/20/2017	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	SW11-022817	2/28/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-031517	3/15/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-032117	3/21/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-033017	3/30/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW-11-040517	4/5/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-050417	5/4/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	SW11-061317	6/13/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-11	SW11-071817	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
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	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-12	SW12-020618	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
SW-13	SW13-081916	8/19/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	NA	
	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**	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
SW-13	SW13-071218	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**	
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
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	

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4B. Analytical Results for Surface Water, Historical

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
		Screening Value (µg/L):		2.2	a	530	a	1,000	a	NA	b	NA	b	NA	b	NA	b
FP-03	FP-03-121417	12/14/2017	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-010918	1/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	NA	
	FP03-020618	2/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-030918	3/9/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-040618	4/6/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-050318	5/3/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-060718	6/7/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	FP03-071218	7/12/2018	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:

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

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

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

Samples analyzed by EPA 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

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 of water in well

SW = surface water

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

Table 5A. Analytical Results for Groundwater, Second 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-01-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-01B	MW-01B-060519	6/5/2019	µg/L	**1.82**		1	U	1	U	3	U	1	U	**1.00**		5	U	--	
MW-02	MW-02-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-02B	MW-02B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-03	MW-03-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-04	MW-04-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-05	MW-05-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06	MW-06-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-06B	MW-06B-060419	6/4/2019	µg/L	1	U	1	U	**4.53**		3	U	1	U	1	U	5	U	--	
MW-07	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-08	MW-08-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-09	MW-09-060419	6/4/2019	µg/L	1	U	1	U	**1.66**		3	U	1	U	**3.95**		5	U	--	
MW-09B	MW-09B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-10	MW-10-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-11	MW-11-060519	6/5/2019	µg/L	**6,940**		**1,660**		**22,500**		**9,020**		200	U[b]	200	U[b]	1,000	U[b]	--	
MW-12	MW-12-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-12B	MW-12B-060519	6/5/2019	µg/L	**88.4**		**38.0**		5	U	**15.2**		5	U	5	U	25	U	--	
MW-13	MW-13-060519	6/5/2019	µg/L	**35.2**		5	U	5	U	**19.6**		5	U	5	U	25	U	--	
MW-13B	MW-13B-060519	6/5/2019	µg/L	**195**		**25.3**		**302**		**194**		5	U	**140**		25	U	--	
MW-14	MW-14-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-14B	MW-14B-060519	6/5/2019	µg/L	**9.13**		1	U	**1.01**		**6.57**		1	U	**17.7**		5	U	--	
MW-15	MW-15-060519	6/5/2019	µg/L	**1.03**		1	U	1	U	3	U	1	U	**4.33**		5	U	--	
MW-15B	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-16	MW-16-060419	6/4/2019	µg/L	**9.56**		**15.4**		**78.9**		**162**		**1.06**		1	U	**192**		--	
MW-17	MW-17-060519	6/5/2019	µg/L	**44.9**		5	U	**10.7**		**87.1**		5	U	**16.1**		25	U	--	
MW-17B	MW-17B-051419	5/14/2019	µg/L	**7,320**		**1,070**		**18,500**		**8,370**		25	U[b]	**256**		**201**		--	
	MW-17B-060519	6/5/2019	µg/L	**7,390**		**1,220**		**16,600**		**7,740**		200	U[b]	**312**		1,000	U[b]	--	
MW-18	MW-18-060419	6/4/2019	µg/L	**1.46**		**2.92**		**20.9**		**42.0**		**2.36**		**13.6**		**87.5**		--	
MW-19	MW-19-060519	6/5/2019	µg/L	5	U	5	U	5	U	**30.4**		5	U	5	U	25	U	--	
MW-20	MW-20-051519	5/15/2019	µg/L	**4,180**		**758**		**8970**		**7620**		100	U[b]	**105**		**636**		--	
	MW-20-060519	6/5/2019	µg/L	**11,200**		**1460**		**22800**		**10200**		50	U[b]	**174**		**437**		--	
MW-21	MW-21-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-22	MW-22-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-23	MW-23-051419	5/14/2019	µg/L	**412**		**5.37**		**20.7**		**190**		1	U	**28.0**		**10.9**		--	
	MW-23-060519	6/5/2019	µg/L	**520**		5	U	**5.77**		**211**		5	U	**27.7**		25	U	--	

Table 5A. Analytical Results for Groundwater, Second 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-23B	MW-23B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24	MW-24-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-24B	MW-24B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25	MW-25-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-25B	MW-25B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-26	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-26B	MW-26B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-27	MW-27-060519	6/5/2019	µg/L	**1.33**		1	U	**5.04**		**11.0**		1	U	1	U	5	U	--	
MW-27B	MW-27B-060519	6/5/2019	µg/L	1	U	**1.85**		**3.59**		**14.7**		1	U	1	U	5	U	--	
MW-28	MW-28-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-29	MW-29-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-30	MW-30-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-31	MW-31-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-32	MW-32-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-33T	MW-33T-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-34	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-35	MW-35-060519	6/5/2019	µg/L	1	U	1	U	**4.52**		3	U	1	U	1	U	5	U	--	
MW-36	MW-36-051519	5/15/2019	µg/L	**1160**		5	U	**78.4**		**482**		5	U	**292**		**228**		--	
	MW-36-060419	6/4/2019	µg/L	**1100**		1	U	**48.1**		**428**		1	U	1	U	5	U	--	
MW-36B	MW-36B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-37	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-38	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-39	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-40	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-41	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-42	MW-42-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43	MW-43-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-43B	MW-43B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44	MW-44-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-44B	MW-44B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

Table 5A. Analytical Results for Groundwater, Second 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-45	MW-45-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**47.7**		5	U	--	
MW-45B	MW-45B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-46	MW-46-051419	5/14/2019	µg/L	**1300**		**2.27**		**54.8**		**412**		1	U	**174**		**28.9**		--	
	MW-46-060519	6/5/2019	µg/L	**1300**		10	U	**19.5**		**400**		10	U[b]	**278**		50	U[b]	--	
MW-47	MW-47-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-48B	MW-48B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.45**		5	U	--	
MW-49	MW-49-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-50B	MW-50B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**44.1**		5	U	--	
MW-51	MW-51-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-52	MW-52-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-53	MW-53-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-54	MW-54-051519	5/15/2019	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-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-57	MW-57-040919	4/9/2019	µg/L	**1340**		**2.81**		**42**		**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**		--	

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.

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

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

BCPZ = Brown's Creek Protection Zone

CCPZ = Cupboard Creek Protection Zone

SBZ = Shallow Bedrock Zone

EDB = 1,2-dibromoethane

ID = identification

MTBE = methyl tertiary butyl ether

MW = monitoring well

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

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

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

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

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

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

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

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
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-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	**1.4**		**5.6**		1	U	1	U	**1.3**		--	
	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-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**		1	U	**32.0**		5	U	--	
	MW-02-030718	3/7/2018	µg/L	**131**		**34.1**		**594**		**442**		1	U	**27.6**		**34.5**		--	
	MW-02-040618	4/6/2018	µg/L	**72.5**		**8.96**		**94.7**		**501**		1	U	**18.4**		5	U	--	
	MW-02-050318	5/3/2018	µg/L	**35.4**		**7.50**		**14.9**		**163**		1	U	**8.0**		5	U	--	
	MW-02-060618	6/6/2018	µg/L	1	U	1	U	**3.19**		**3.7**		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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-02	MW-02-030719	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-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	**4.8**		**4.6**		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-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	**3.6**		--	
	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	--	
	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	--	
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	--	

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-04	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-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	--	
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-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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-06B	MW-06B-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-07	--	7/27/2015	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-012116	1/21/2016	µg/L	**1,060**		**389**		**5,210**		**2,620**		40	U[b]	40	U[b]	40	U[b]	0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-062917	6/29/2017	µg/L	**4,290**		**629**		**17,700**		**4,990**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	10/3/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	11/7/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	12/4/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	1/8/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	2/6/2018	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-07-030818	3/8/2018	µg/L	**4,550**		**802**		**14,100**		**7,520**		50	U[b]	50	U[b]	250	U[b]	--	
	--	4/6/2018	µg/L	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-050318	5/3/2018	µg/L	**6,330**		**662**		**16,500**		**9,060**		250	U[b]	250	U[b]	1,250	U[b]	--	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-07-091218	9/12/2018	µg/L	**4,620**		**639**		**13,600**		**6,180**		1	U	1	U	**82.5**		--	
	MW-07-120618	12/6/2018	µg/L	**4,850**		**574**		**13,400**		**9,890**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-07-021919	2/19/2019	µg/L	**5,360**		**516**		**12,400**		**7,280**		1	U	1	U	**6.32**		--	
	MW-07-030719	3/7/2019	µg/L	**3,110**		**147**		**5,780**		**4,110**		1	U	1	U	5	U	--	
	MW-07-051519	5/15/2019	µg/L	**2,030**		**169**		**3,440**		**3,110**		1	U	1	U	**9.44**		--	
	MW-07-060419	6/4/2019	µg/L	**1,940**		**168**		**3,390**		**2,740**		1	U	1	U	**6.90**		--	
MW-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**		**7.1**		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-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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-09	MW-09-030718	3/7/2018	µg/L	**3.3**		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-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**		**4.5**		**18.1**		**33.3**		1	U	**1.37**		5	U	--	
	MW-09B-060618	6/6/2018	µg/L	**17.1**		**16.5**		**66.5**		**139**		1	U	**3.61**		**8.09**		--	
	MW-09B-091318	9/13/2018	µg/L	1	U	1	U	**5.90**		**4.44**		1	U	1	U	5	U	--	
	MW-09B-120618	12/6/2018	µg/L	**2.19**		**2.14**		**8.22**		**16.8**		1	U	1	U	5	U	--	
	MW-09B-030719	3/7/2019	µg/L	**13.2**		**13.7**		**51.1**		**110**		1	U	**2.46**		**6.54**		--	
	MW-09B-060419	6/4/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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-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	

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Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-11	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/10/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS		NS-PS	
	MW-11-030619	3/6/2019	µg/L	**8,260**		**1,990**		**30,300**		**11,900**		200	U[b]	200	U[b]	1,000	U[b]	--	
	MW-11-060519	6/5/2019	µg/L	**6,940**		**1,660**		**22,500**		**9,020**		200	U[b]	200	U[b]	1,000	U[b]	--	
MW-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-12B	MW-12B-012616	1/26/2016	µg/L	**228**		**31.4**		**193**		**532**		1	U	**5.4**		**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**		--	
	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-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**		1	U	**12.5**		**6.9**		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	

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-13	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	--	
MW-13B	MW-13B-012816	1/28/2016	µg/L	**367**		1	U	**5.6**		**59.5**		1	U	**119**		1	U	0.02	U
	MW-13B-113016	11/30/2016	µg/L	**550**		**5.1**		**21.2**		**140**		5	U[b]	**158**		**7.9**		--	
	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**		**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-14	MW-14-072815	7/28/2015	µg/L	5	U[b]	5	U	5	U	10	U	5	U[b]	5	U	5	U	0.02	U
	MW-14-012816	1/28/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.019	U
	MW-14-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-14-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-14-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-14B	MW-14B-052516	5/25/2016	µg/L	**5**		1	U	1	U	**4.4**		1	U	**17.2**		1	U	0.02	U
	MW-14B-113016	11/30/2016	µg/L	**10.5**		1	U	**1.1**		**5.5**		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	**5.6**		1	U	**9.28**		5	U	--	
	MW-14B-0604B18	6/6/2018	µg/L	**8.63**		1	U	1	U	**5.77**		1	U	**22.1**		5	U	--	
	MW-14B-091218	9/12/2018	µg/L	**3.32**		1	U	1	U	**3.61**		1	U	**7.86**		5	U	--	
	MW-14B-120618	12/6/2018	µg/L	**3.56**		1	U	**1.40**		**6.34**		1	U	**6.56**		5	U	--	
	MW-14B-030619	3/6/2019	µg/L	**2.70**		1	U	1	U	3	U	1	U	**8.83**		5	U	--	
	MW-14B-060519	6/5/2019	µg/L	**9.13**		1	U	**1.01**		**6.57**		1	U	**17.7**		5	U	--	

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Plantation Pipe Line Company
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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-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**		**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	**73**		25	U	**29**		**110**		25	U[b]	**91.8**		125	U[b]	--	
	MW-15-090817	9/8/2017	µg/L	**454**		**24**		**567**		**338**		5	U[b]	**193**		25	U[b]	--	
	MW-15-120617	12/6/2017	µg/L	1	U	1	U	**2**		**5**		1	U	**140**		5	U	--	
	MW-15-030818	3/8/2018	µg/L	**53.1**		**2.75**		**89.9**		**53.1**		1	U	**85**		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-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	**4.8**		1	U	**2**		**3.9**		1	U	1	U	1	U	0.02	U
	MW-15B-113016	11/30/2016	µg/L	**337**		**34**		**565**		**194**		5	U[b]	**26.7**		**5**		--	
	MW-15B-031417	3/14/2017	µg/L	**2,160**		**248**		**4,580**		**1,500**		100	U[b]	**118**		500	U[b]	--	
	MW-15B-032017	3/20/2017	µg/L	**615**		**88.6**		**1,270**		**555**		25	U[b]	**67.5**		125	U[b]	--	
	MW-15B-033117	3/31/2017	µg/L	**1,630**		**205**		**3,240**		**1,180**		50	U[b]	**115**		250	U[b]	--	
	MW-15B-040617	4/6/2017	µg/L	**1,020**		**132**		**2,020**		**789**		25	U[b]	**84.7**		125	U[b]	--	
	MW-15B-062817	6/28/2017	µg/L	**1,510**		**145**		**3,520**		**1,280**		100	U[b]	100	U[b]	500	U[b]	--	
	MW-15B-090817	9/8/2017	µg/L	**1,820**		**164**		**3,560**		**1,210**		50	U[b]	**133**		250	U[b]	--	
	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-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	

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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-16	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	**9.1**		**15.7**		**74**		**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-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	
	--	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	--	
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-D-021919	2/19/2019	µg/L	**7,910**		**1,210**		**20,700**		**8,910**		1	U	**401**		250	U[b]	--	
	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**		**1,070**		**18,500**		**8,370**		25	U[b]	**256**		**201**		--	
	MW-17B-060519	6/5/2019	µg/L	**7,390**		**1,220**		**16,600**		**7,740**		200	U[b]	**312**		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"

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-18	--	7/27/2015	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/19/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	11/28/2016	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/26/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/5/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	3/5/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	9/11/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/3/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-18-030719	3/7/2019	µg/L	**2.47**		**8.16**		**60.4**		**141**		1	U	**13.5**		**72.7**		--	
	MW-18-060419	6/4/2019	µg/L	**1.46**		**2.92**		**20.9**		**42.0**		**2.36**		**13.6**		**87.5**		--	
MW-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**		**1260**		**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	--	
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	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-20	--	11/8/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	12/4/2017	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	1/8/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	2/6/2018	µg/L	NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL		NS-OL	
	--	3/6/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	4/6/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	5/3/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	--	6/4/2018	--	NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP		NS-FP	
	MW-20-071218	7/12/2018	µg/L	**5,740**		**1350**		**18100**		**14500**		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**		**1080**		**13900**		**11700**		5	U	**128**		**341**		--	
	MW-20-030519	3/5/2019	µg/L	**9,480**		**1320**		**19200**		**10800**		100	U[b]	**187**		500	U[b]	--	
	MW-20-051519	5/15/2019	µg/L	**4,180**		**758**		**8970**		**7620**		100	U[b]	**105**		**636**		--	
	MW-20-060519	6/5/2019	µg/L	**11,200**		**1460**		**22800**		**10200**		50	U[b]	**174**		**437**		--	
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-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**		**3.4**		**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	

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Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-22	--	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	--	
MW-23	MW-23-072715	7/27/2015	µg/L	5	U[b]	5	U	**7.5**		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**		**5.9**		--	
	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	**6.6**		**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	**1.2**		1	U	1	U	3	U	1	U	**1**	U	5	U	--	
	MW-23-080117	8/1/2017	µg/L	**132**		1	U	**6.2**		**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**		--	
	MW-23-060519	6/5/2019	µg/L	**520**		5	U	**5.77**		**211**		5	U	**27.7**		25	U	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-23B	MW-23B-080515	8/5/2015	µg/L	5	U[b]	5	U	**7.0**		10	U	5	U[b]	5	U	5	U	0.02	U
	MW-23B-012016	1/20/2016	µg/L	1	U	1	U	**3.9**		**7.1**		1	U	1	U	1	U	0.02	U
	MW-23B-120216	12/2/2016	µg/L	1	U	**1.4**		**3.5**		**11.0**		1	U	1	U	**1.3**		--	
	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	**1.2**		**2.48**		**7.93**		1	U	1	U	5	U	--	
	MW-23B-030618	3/6/2018	µg/L	1	U	**1.2**		**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-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**		**1.7**		**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-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	**3.3**		**6.8**		1	U	1	U	1	U	0.019	U
	MW-24B-120716	12/7/2016	µg/L	1	U	1	U	**2.9**		**1.6**		1	U	1	U	1	U	--	
	MW-24B-062817	6/28/2017	µg/L	**28.9**		**3.89**		**1.77**		**20.7**		1	U	1	U	5	U	--	
	MW-24B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-24B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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

Location	Sample ID	Sample Date	Units	Analyte															
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-25	MW-25-012716	1/27/2016	µg/L	**101**		1	U	1	U	**115**		1	U	1	U	**1.8**		0.02	U
	MW-25-012716	12/1/2016	µg/L	**675**		**30.2**		**15.3**		**619**		5	U[b]	**5.9**		**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**		**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	**1.1**		**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**		**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-25B	MW-25B-012716	1/27/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-25B-120116	12/1/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-25B-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-25B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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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-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	**2.3**		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**		**6.2**		**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-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	**1.3**		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	--	

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-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-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	**5.3**		**9.1**		**45.7**		1	U	1	U	**8.9**		--	
	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	**3.1**		**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	**5.1**		--	
	MW-27B-091118	9/11/2018	µg/L	1	U	**2.98**		**5.65**		**25.0**		1	U	1	U	5	U	--	
	MW-27B-120518	12/5/2018	µg/L	1	U	**2.47**		**4.97**		**21.1**		1	U	1	U	5	U	--	
	MW-27B-030519	3/5/2019	µg/L	1	U	**2.40**		**4.76**		**20.0**		1	U	1	U	5	U	--	
	MW-27B-060519	6/5/2019	µg/L	1	U	**1.85**		**3.59**		**14.7**		1	U	1	U	5	U	--	
MW-28	MW-28-012716	1/27/2016	µg/L	**542**		**430**		**3,850**		**3,370**		1	U	**4.8**		**96.3**		0.02	U
	--	11/28/2016	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-28-031517	3/15/2017	µg/L	**1,120**		**68.9**		**3,350**		**1,370**		50	U[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**		**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**		**23.4**		1	U	1	U	5	U	--	
	MW-28-050318	5/3/2018	µg/L	**8.25**		**8.8**		**1.55**		**24.5**		1	U	1	U	5	U	--	
	MW-28-060518	6/5/2018	µg/L	**3.81**		**3.8**		**1.01**		**16.0**		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	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-28	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-29	MW-29-012116	1/21/2016	µg/L	1	U	1	U	1	U	2	U	1	U	1	U	1	U	0.02	U
	MW-29-112916	11/29/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-29-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-062817	6/28/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-090717	9/7/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-100417	10/4/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-110817	11/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-010918	1/9/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-020618	2/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-040618	4/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-050318	5/3/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-071218	7/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-091118	9/11/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-29-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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	**2.2**		1	U	**1.86**		**4.1**		1	U	1	U	5	U	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-30	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	**1.9**		1	U	**7.38**		**5.95**		1	U	**2.22**		5	U	--	
	MW-30-050318	5/3/2018	µg/L	**1.19**		1	U	**3.7**		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	--	
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-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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-33	MW-33-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
MW-33T	MW-33T-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-33T-120617	12/6/2017	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-33T-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-33T-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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**		**1.7**		**58.6**		**181**		1	U	**123**		5	U	--	
	MW-34-050317	5/3/2017	µg/L	**287**		**2.62**		**27.2**		**130**		1	U	**124**		5	U	--	
	MW-34-062817	6/28/2017	µg/L	**167**		**4.59**		**9.3**		**39.2**		1	U	**68.3**		5	U	--	
	MW-34-071717	7/17/2017	µg/L	**137**		**5.83**		**19.8**		**69.5**		1	U	**73.8**		5	U	--	
	MW-34-080117	8/1/2017	µg/L	**517**		10	U	**31.7**		**110**		10	U[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-35	MW-35-051016	5/10/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.02	U
	MW-35-120116	12/1/2016	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	--	
	MW-35-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-35-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-35	MW-35-050317	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-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	**1.3**		1	U	**6.5**		**1.1**		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	**1160**		5	U	**78.4**		**482**		5	U	**292**		**228**		--	
	MW-36-060419	6/4/2019	µg/L	**1100**		1	U	**48.1**		**428**		1	U	1	U	5	U	--	
MW-36B	MW-36B-051116	5/11/2016	µg/L	1	U	1	U	**7.2**		1	U	1	U	1	U	1	U	0.02	U
	MW-36B-112916	11/29/2016	µg/L	1	U	1	U	**1.6**		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	--	
	MW-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	--	

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-36B	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-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	**1.5**		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-38	MW-38-113016	11/30/2016	µg/L	1	U	1	U	1	U	1	U	1	U	**5.5**		1	U	--	
	MW-38-031417	3/14/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.14**		5	U	--	
	MW-38-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.55**		5	U	--	
	MW-38-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**10.2**		5	U	--	
	MW-38-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.06**		5	U	--	
	MW-38-050317	5/3/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**9.08**		5	U	--	
	MW-38-062817	6/28/2017	µg/L	**9.71**		**1.17**		1	U	**6.63**		1	U	1	U	5	U	--	
	MW-38-071717	7/17/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**8.59**		5	U	--	
	MW-38-080117	8/1/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**7.25**		5	U	--	
	MW-38-090817	9/8/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**12.9**		5	U	--	
	MW-38-100417	10/4/2017	µg/L	**1.75**		1	U	1	U	3	U	1	U	**11.2**		5	U	--	
	MW-38-110817	11/8/2017	µg/L	**4.48**		1	U	1	U	**12.4**		1	U	**29.2**		5	U	--	
	MW-38-120617	12/6/2017	µg/L	**102**		1	U	1	U	**86.1**		1	U	**38**		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]	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-39	MW-39-120716	12/7/2016	µg/L	**6,320**		**682**		**1,290**		**3,650**		50	U[b]	**311**		**86**		--	
	MW-39-031417	3/14/2017	µg/L	**6,370**		**431**		**2,200**		**3,700**		10	U[b]	**199**		**117**		--	
	MW-39-032017	3/20/2017	µg/L	**7,340**		**704**		**2,990**		**4,050**		100	U[b]	**248**		500	U[b]	--	
	MW-39-033117	3/31/2017	µg/L	**7,540**		**899**		**3,140**		**4,400**		50	U[b]	**272**		250	U[b]	--	
	MW-39-040617	4/6/2017	µg/L	**6,180**		**754**		**3,280**		**3,860**		50	U[b]	**257**		250	U[b]	--	
	MW-39-062817	6/28/2017	µg/L	**5,470**		**58**		**3,360**		**3,900**		20	U[b]	**239**		100	U[b]	--	
	MW-39-071717	7/17/2017	µg/L	**4,690**		100	U	**3,760**		**4,580**		100	U[b]	**344**		500	U[b]	--	
	MW-39-080117	8/1/2017	µg/L	**4,630**		100	U	**2,880**		**4,740**		100	U[b]	**348**		500	U[b]	--	
	MW-39-090817	9/8/2017	µg/L	**3,380**		**10.7**		**1,040**		**2,740**		1	U	**376**		**15.6**		--	
	MW-39-100417	10/4/2017	µg/L	**1,560**		50	U	**365**		**1,350**		50	U[b]	**305**		250	U[b]	--	
	MW-39-110817	11/8/2017	µg/L	**878**		50	U	**123**		**368**		50	U[b]	**442**		250	U[b]	--	
	MW-39-120617	12/6/2017	µg/L	**345**		50	U	**69**		**150**		50	U[b]	**355**		250	U[b]	--	
	MW-39-010918	1/9/2018	µg/L	**23.8**		5	U	5	U	15	U	5	U	**370**		25	U	--	
	MW-39-020618	2/6/2018	µg/L	**46.9**		5	U	5	U	15	U	5	U	**263**		25	U	--	
	MW-39-030818	3/8/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**304**		5	U	--	
	MW-39-040618	4/6/2018	µg/L	**1.00**		1	U	1	U	3	U	1	U	**297**		5	U	--	
	MW-39-050318	5/3/2018	µg/L	10	U	10	U	10	U	30	U	10	U[b]	**287**		50	U[b]	--	
	MW-39-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**322**		5	U	--	
	MW-39-071218	7/12/2018	µg/L	**1.00**		1	U	1	U	3	U	1	U	**244**		5	U	--	
	MW-39-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**176**		5	U	--	
	MW-39-120618	12/6/2018	µg/L	**30.6**		1	U	**7.49**		**29.3**		1	U	**156**		5	U	--	
	MW-39-021919	2/19/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**53.8**		5	U	--	
	MW-39-030619	3/6/2019	µg/L	**1.91**		1	U	**1.01**		3	U	1	U	**61.0**		5	U	--	
	MW-39-051519	5/15/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**89.4**		5	U	--	
	MW-39-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**156**		5	U	--	
MW-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]	--	

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-40	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-41	MW-41-120716	12/7/2016	µg/L	**212**		2	U	2	U	**155**		2	U	**6.7**		**5.6**		--	
	MW-41-031417	3/14/2017	µg/L	**469**		**1.78**		1	U	**275**		1	U	**4.34**		**18.1**		--	
	MW-41-032017	3/20/2017	µg/L	**424**		**2.62**		1	U	**342**		1	U	1	U	**16.9**		--	
	MW-41-033117	3/31/2017	µg/L	**449**		5	U	5	U	**343**		5	U[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**		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-42	MW-42-120716	12/7/2016	µg/L	**3.8**		1	U	1	U	**2.7**		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**		--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-42	MW-42-120617	12/6/2017	µg/L	**9.82**		1	U	1	U	**45**		1	U	**1.24**		5	U	--	
	MW-42-030818	3/8/2018	µg/L	**1.02**		1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-060518	6/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-42-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
MW-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-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-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	--	
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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-44B	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-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-45B	MW-45B-031317	3/13/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-032017	3/20/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-033117	3/31/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-040617	4/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-062817	6/28/2017	µg/L	1	U	1	U	**1.73**		3	U	1	U	1	U	5	U	--	
	--	9/5/2017	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	MW-45B-120717	12/7/2017	µg/L	1	U	1	U	**3.26**		3	U	1	U	1	U	5	U	--	
	MW-45B-030618	3/6/2018	µg/L	1	U	1	U	**2.75**		3	U	1	U	1	U	5	U	--	
	MW-45B-060718	6/7/2018	µg/L	1	U	1	U	**1.94**		3	U	1	U	1	U	5	U	--	
	MW-45B-091118	9/11/2018	µg/L	1	U	1	U	**1.16**		3	U	1	U	1	U	5	U	--	
	MW-45B-120518	12/5/2018	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-030519	3/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	
	MW-45B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5	U	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-46	MW-46-120617	12/6/2017	µg/L	**4.97**		1	U	1	U	**7.74**		1	U	**85.5**		5	U	--	
	MW-46-030618	3/6/2018	µg/L	**173**		**1.76**		**16.5**		**29.5**		1	U	**129**		**7.21**		--	
	MW-46-060518	6/5/2018	µg/L	**294**		**1**	U	**11.8**		**147**		1	U	**184**		5	U	--	
	MW-46-080218	8/2/2018	µg/L	**1520**		**4.24**		**92.1**		**763**		1	U	**200**		**20.7**		--	
	MW-46-091118	9/11/2018	µg/L	**1510**		**6.81**		**64**		**597**		1	U	**311**		**23.4**		--	
	MW-46-110218	11/2/2018	µg/L	**1790**		**7.1**		**120**		**740**		1	U	**299**		**16.6**		--	
	MW-46-120518	12/5/2018	µg/L	**1250**		**3.07**		**46.7**		**521**		**1.90**		**290**		**7.38**		--	
	MW-46-022019	2/20/2019	µg/L	**2380**		**2.97**		**82.4**		**799**		1	U	**346**		**22.4**		--	
	MW-46-030519	3/5/2019	µg/L	**2350**		**4.01**		**73.7**		**701**		1	U	**406**		**32.8**		--	
	MW-46-051419	5/14/2019	µg/L	**1300**		**2.27**		**54.8**		**412**		1	U	**174**		**28.9**		--	
	MW-46-060519	6/5/2019	µg/L	**1300**		10	U	**19.5**		**400**		10	U[b]	**278**		50	U[b]	--	
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-48B	MW-48B-120617	12/6/2017	µg/L	1	U	1	U	1	U	3	U	1	U	**2.92**		5	U	--	
	MW-48B-030718	3/7/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.97**		5	U	--	
	MW-48B-060618	6/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**2.12**		5	U	--	
	MW-48B-091218	9/12/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.80**		5	U	--	
	MW-48B-120618	12/6/2018	µg/L	1	U	1	U	1	U	3	U	1	U	**1.56**		5	U	--	
	MW-48B-030619	3/6/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.64**		5	U	--	
	MW-48B-060519	6/5/2019	µg/L	1	U	1	U	1	U	3	U	1	U	**1.45**		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-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-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	--	

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

Location	Sample ID	Sample Date	Units	Analyte																	
				Benzene		Ethylbenzene		Toluene		Total Xylenes		1,2-DCA		MTBE		Naphthalene		EDB	
RBSL[a]:			**µg/L**	5.0		700		1,000		10,000		5.0		40		25		0.05	
MW-52	MW-52-100518	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-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-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-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-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-57	MW-57-040919	4/9/2019	µg/L	**1340**		**2.81**		**42**		**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**		--	

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.

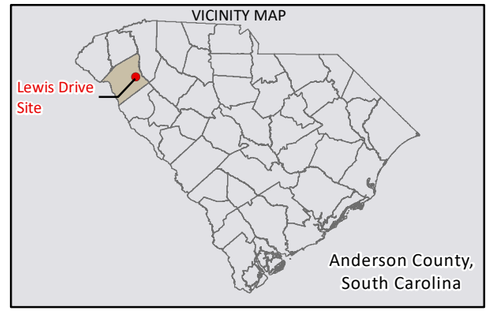
Samples analyzed by EPA Methods SW 8260B and 8011.

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
BCPZ = Brown's Creek Protection Zone
CCPZ = Cupboard Creek Protection Zone
SBZ = Shallow Bedrock Zone
EDB = 1,2-dibromoethane
ID = identification
MTBE = methyl tertiary butyl ether
MW = monitoring well
NS-FP = sample not collected due to the presence of free product in the well
NS-HS = sample not collected due to health and safety concerns
NS-IW = sample not collected due to insufficient volume of water in well
NS-OL = sample not collected because it was overlooked in the field
NS-SL = sample not analyzed due to sample being lost in transit to laboratory
NS-PS = sample not collected due to observation of product sheen in well
U = analyte was not detected above the reported sample quantitation limit

Figures



LEGEND

- Release Point
- Residuum Monitoring Well
- Bedrock Monitoring Well
- Piezometer
- Recovery Sump
- Soil Boring Location
- Recovery Trench Point
- Recovery Well (4" 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
- National Hydrography Dataset Stream
- Intermittent Stream
- Inspection Route for Sheen or Distressed Vegetation
- AS System Compound
- Remediation Zone

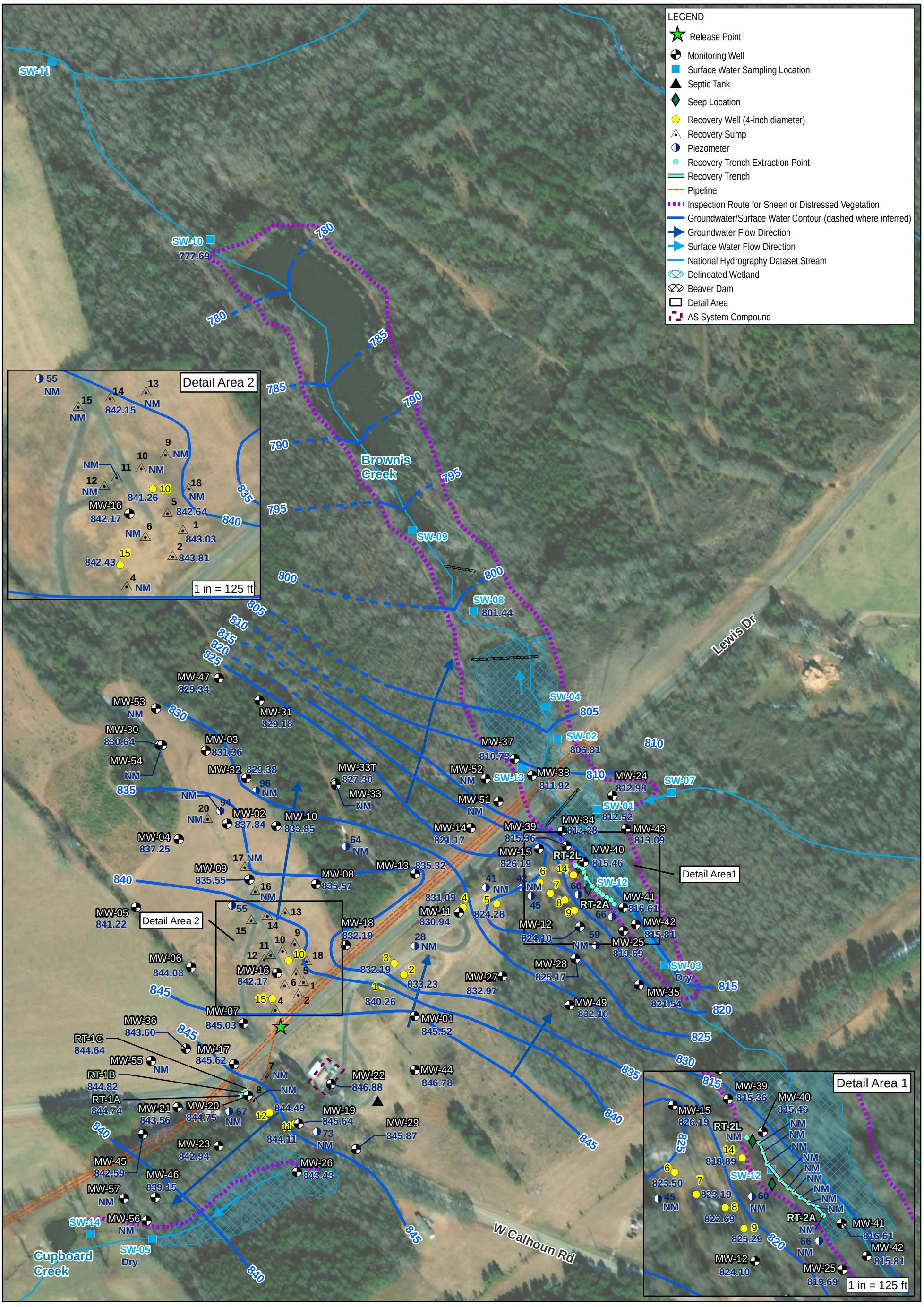
Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2017. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

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



824.10 Corrected Groundwater Elevation as of 6/3/2019 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

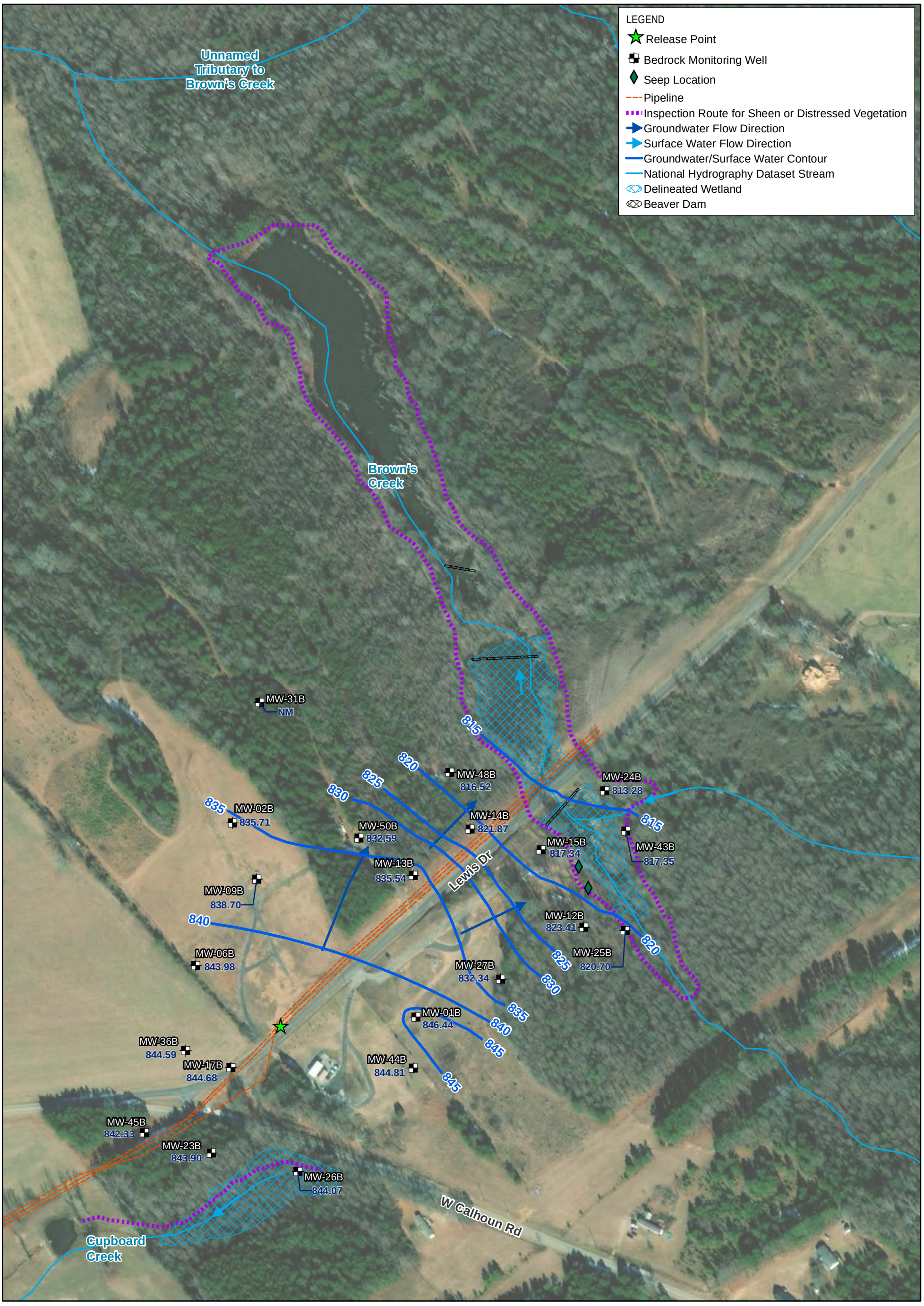
Figure 2A. Residuum Groundwater and Surface Water Elevation Map

Lewis Drive Remediation Site

Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

JACOBS



817.35 Corrected Groundwater Elevation as of 6/3/2019 in feet above mean sea level

NM Not measured during this sampling event

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

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

JACOBS

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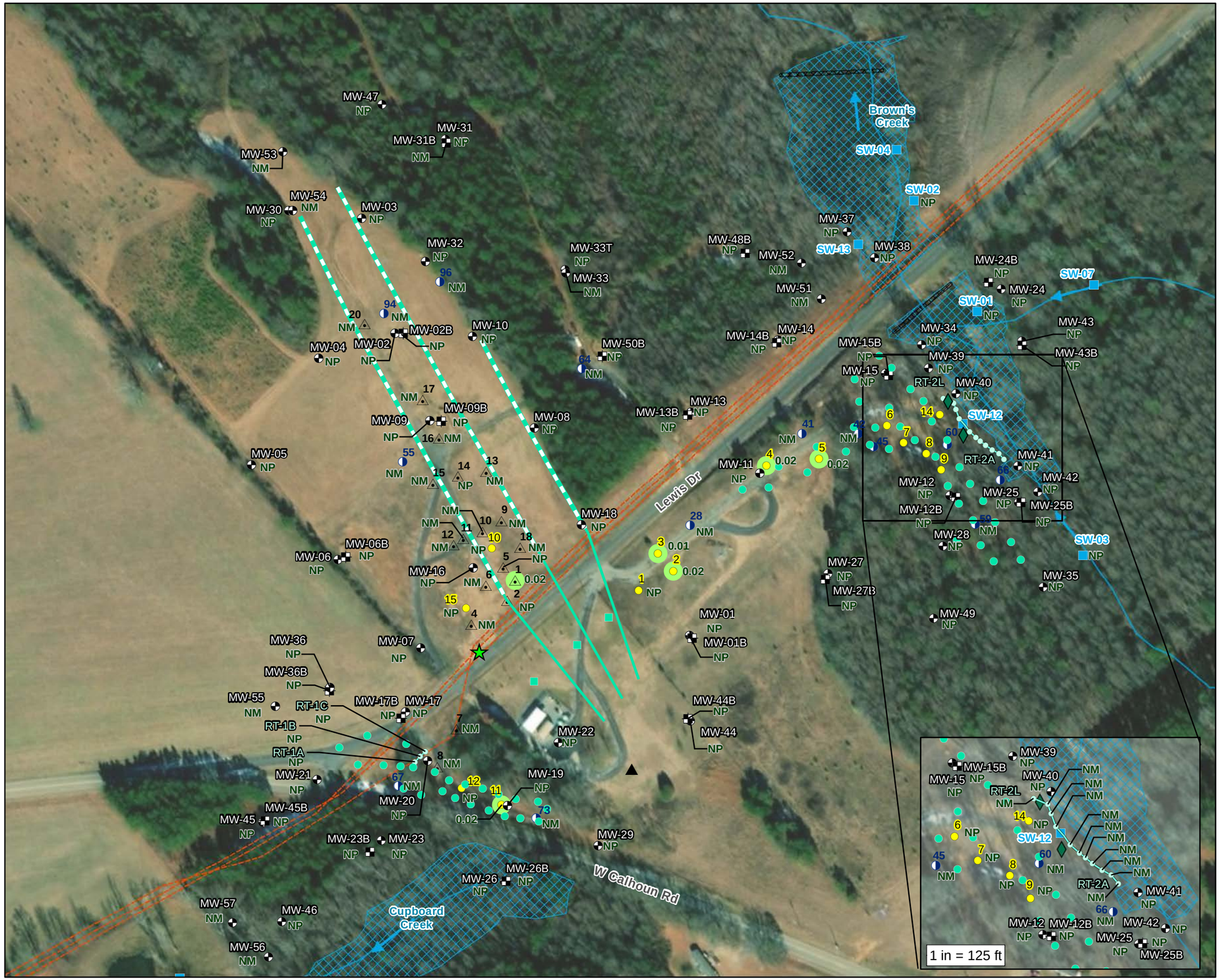


LEGEND

- Release Point
- Monitoring Well
- Bedrock Monitoring Well
- Seep Location
- Recovery Sump
- Piezometer ("R" indicates Replacement)
- Recovery Well (4-inch diameter)
- Well Contains Product as of 6/3/19
- 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
- National Hydrography Dataset Stream
- Delineated Wetland
- Beaver Dam
- Detail Area

0.02 Product thickness in feet as of 6/3/2019
NP No product detected
NM Not measured

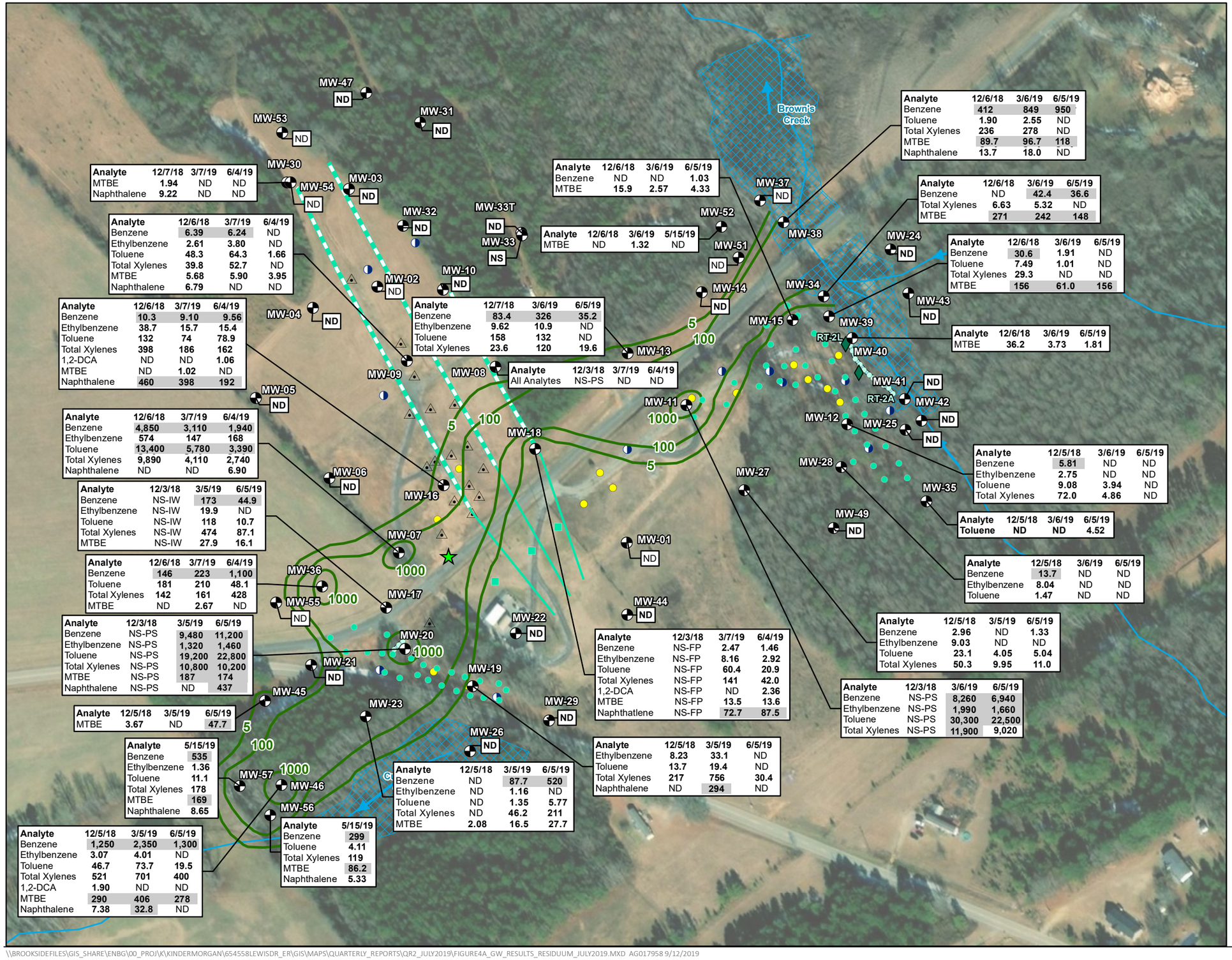
Base Map Sources:
*Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2017. Basemap features are approximate.
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

N

0 175 350
Scale in Feet

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

JACOBS



Analyte	12/7/18	3/7/19	6/4/19
MTBE	1.94	ND	ND
Naphthalene	9.22	ND	ND

Analyte	12/6/18	3/7/19	6/4/19
Benzene	6.39	6.24	ND
Ethylbenzene	2.61	3.80	ND
Toluene	48.3	64.3	1.66
Total Xylenes	39.8	52.7	ND
MTBE	5.68	5.90	3.95
Naphthalene	6.79	ND	ND

Analyte	12/6/18	3/7/19	6/4/19
Benzene	10.3	9.10	9.56
Ethylbenzene	38.7	15.7	15.4
Toluene	132	74	78.9
Total Xylenes	398	186	162
1,2-DCA	ND	ND	1.06
MTBE	ND	1.02	ND
Naphthalene	460	398	192

Analyte	12/6/18	3/7/19	6/4/19
Benzene	4,850	3,110	1,940
Ethylbenzene	574	147	168
Toluene	13,400	5,780	3,390
Total Xylenes	9,890	4,110	2,740
Naphthalene	ND	ND	6.90

Analyte	12/3/18	3/5/19	6/5/19
Benzene	NS-IW	173	44.9
Ethylbenzene	NS-IW	19.9	ND
Toluene	NS-IW	118	10.7
Total Xylenes	NS-IW	474	87.1
MTBE	NS-IW	27.9	16.1

Analyte	12/6/18	3/7/19	6/4/19
Benzene	146	223	1,100
Toluene	181	210	48.1
Total Xylenes	142	161	428
MTBE	ND	2.67	ND

Analyte	12/3/18	3/5/19	6/5/19
Benzene	NS-PS	9,480	11,200
Ethylbenzene	NS-PS	1,320	1,460
Toluene	NS-PS	19,200	22,800
Total Xylenes	NS-PS	10,800	10,200
MTBE	NS-PS	187	174
Naphthalene	NS-PS	ND	437

Analyte	12/5/18	3/5/19	6/5/19
MTBE	3.67	ND	47.7

Analyte	5/15/19
Benzene	535
Ethylbenzene	1.36
Toluene	11.1
Total Xylenes	178
MTBE	169
Naphthalene	8.65

Analyte	12/5/18	3/5/19	6/5/19
Benzene	1,250	2,350	1,300
Ethylbenzene	3.07	4.01	ND
Toluene	46.7	73.7	19.5
Total Xylenes	521	701	400
1,2-DCA	1.90	ND	ND
MTBE	290	406	278
Naphthalene	7.38	32.8	ND

Analyte	12/6/18	3/6/19	6/5/19
Benzene	ND	ND	1.03
MTBE	15.9	2.57	4.33

Analyte	12/6/18	3/6/19	5/15/19
MTBE	ND	1.32	ND

Analyte	12/7/18	3/6/19	6/5/19
Benzene	83.4	326	35.2
Ethylbenzene	9.62	10.9	ND
Toluene	158	132	ND
Total Xylenes	23.6	120	19.6

Analyte	12/3/18	3/7/19	6/4/19
All Analytes	NS-PS	ND	ND

Analyte	12/5/18	3/5/19	6/5/19
Benzene	ND	87.7	520
Ethylbenzene	ND	1.16	ND
Toluene	ND	1.35	5.77
Total Xylenes	ND	46.2	211
MTBE	2.08	16.5	27.7

Analyte	5/15/19
Benzene	299
Toluene	4.11
Total Xylenes	119
MTBE	86.2
Naphthalene	5.33

Analyte	12/3/18	3/7/19	6/4/19
Benzene	NS-FP	2.47	1.46
Ethylbenzene	NS-FP	8.16	2.92
Toluene	NS-FP	60.4	20.9
Total Xylenes	NS-FP	141	42.0
1,2-DCA	NS-FP	ND	2.36
MTBE	NS-FP	13.5	13.6
Naphthatlene	NS-FP	72.7	87.5

Analyte	12/5/18	3/5/19	6/5/19
Ethylbenzene	8.23	33.1	ND
Toluene	13.7	19.4	ND
Total Xylenes	217	756	30.4
Naphthalene	ND	294	ND

Analyte	12/6/18	3/6/19	6/5/19
Benzene	412	849	950
Toluene	1.90	2.55	ND
Total Xylenes	236	278	ND
MTBE	89.7	96.7	118
Naphthalene	13.7	18.0	ND

Analyte	12/6/18	3/6/19	6/5/19
Benzene	ND	42.4	36.6
Total Xylenes	6.63	5.32	ND
MTBE	271	242	148

Analyte	12/6/18	3/6/19	6/5/19
Benzene	30.6	1.91	ND
Toluene	7.49	1.01	ND
Total Xylenes	29.3	ND	ND
MTBE	156	61.0	156

Analyte	12/6/18	3/6/19	6/5/19
MTBE	36.2	3.73	1.81

Analyte	12/5/18	3/6/19	6/5/19
Benzene	5.81	ND	ND
Ethylbenzene	2.75	ND	ND
Toluene	9.08	3.94	ND
Total Xylenes	72.0	4.86	ND

Analyte	12/5/18	3/6/19	6/5/19
Toluene	ND	ND	4.52

Analyte	12/5/18	3/6/19	6/5/19
Benzene	13.7	ND	ND
Ethylbenzene	8.04	ND	ND
Toluene	1.47	ND	ND

Analyte	12/5/18	3/5/19	6/5/19
Benzene	2.96	ND	1.33
Ethylbenzene	9.03	ND	ND
Toluene	23.1	4.05	5.04
Total Xylenes	50.3	9.95	11.0

Analyte	12/3/18	3/6/19	6/5/19
Benzene	NS-PS	8,260	6,940
Ethylbenzene	NS-PS	1,990	1,660
Toluene	NS-PS	30,300	22,500
Total Xylenes	NS-PS	11,900	9,020

LEGEND

- Release Point
- Residuum Monitoring Well
- Piezometer
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Seep Location
- Recovery Well (4" diameter)
- Recovery Sump
- Recovery Trench Point
- Recovery Trench
- Surface Water Flow Direction
- Dissolved Benzene Plume Extent as of June 2019 (µg/L) (Dashed where inferred)
- National Hydrography Dataset Stream
- Delineated Wetland

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

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

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

N

0 200 400

Approximate scale in feet

Figure 4A. Groundwater Analytical Results in Residuum Aquifer, December 2018, March 2019, and June 2019
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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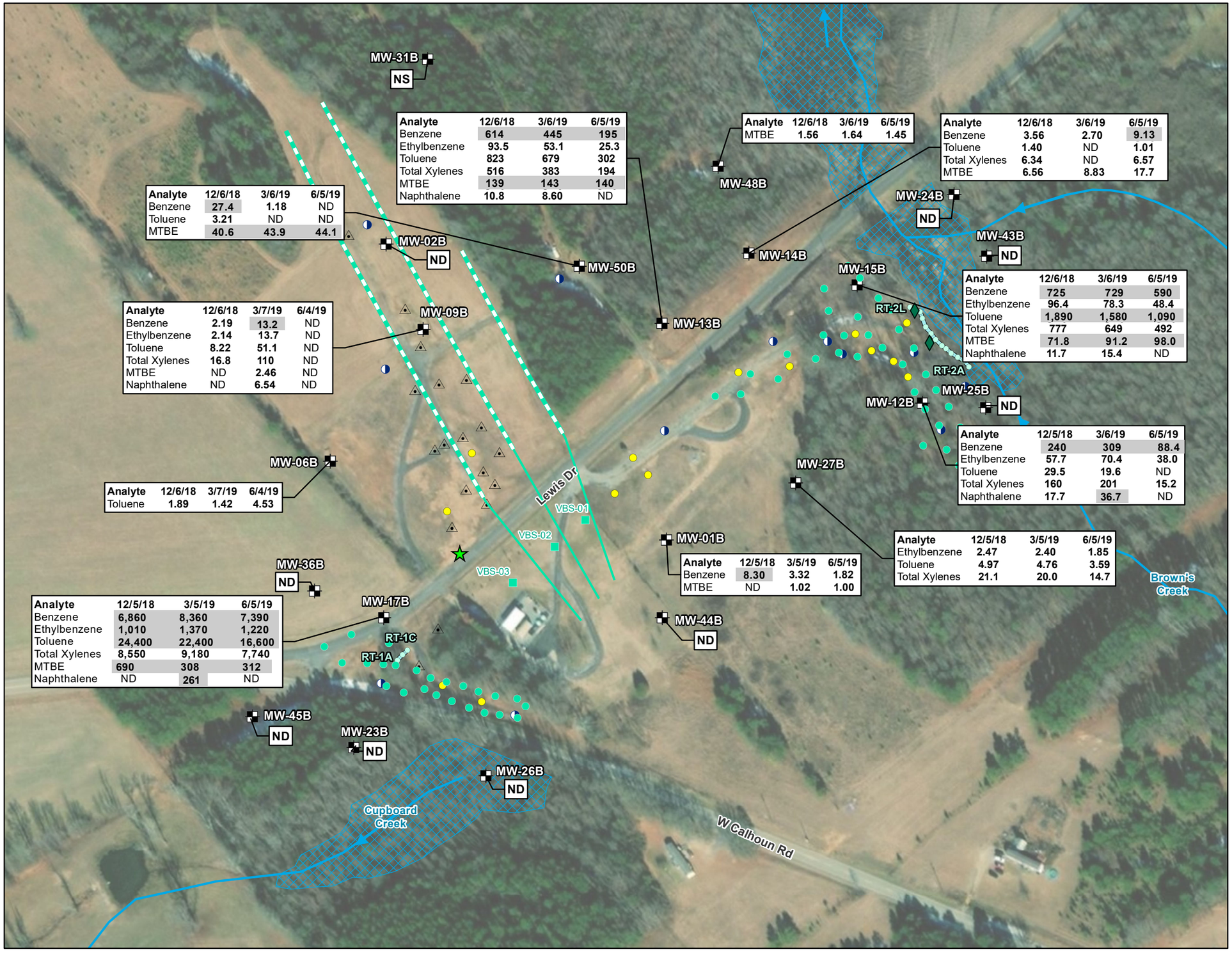

Analyte	12/6/18	3/6/19	6/5/19
Benzene	614	445	195
Ethylbenzene	93.5	53.1	25.3
Toluene	823	679	302
Total Xylenes	516	383	194
MTBE	139	143	140
Naphthalene	10.8	8.60	ND

Analyte	12/6/18	3/6/19	6/5/19
MTBE	1.56	1.64	1.45

Analyte	12/6/18	3/6/19	6/5/19
Benzene	3.56	2.70	9.13
Toluene	1.40	ND	1.01
Total Xylenes	6.34	ND	6.57
MTBE	6.56	8.83	17.7

Analyte	12/6/18	3/6/19	6/5/19
Benzene	27.4	1.18	ND
Toluene	3.21	ND	ND
MTBE	40.6	43.9	44.1

Analyte	12/6/18	3/7/19	6/4/19
Benzene	2.19	13.2	ND
Ethylbenzene	2.14	13.7	ND
Toluene	8.22	51.1	ND
Total Xylenes	16.8	110	ND
MTBE	ND	2.46	ND
Naphthalene	ND	6.54	ND

Analyte	12/6/18	3/6/19	6/5/19
Benzene	725	729	590
Ethylbenzene	96.4	78.3	48.4
Toluene	1,890	1,580	1,090
Total Xylenes	777	649	492
MTBE	71.8	91.2	98.0
Naphthalene	11.7	15.4	ND

Analyte	12/5/18	3/6/19	6/5/19
Benzene	240	309	88.4
Ethylbenzene	57.7	70.4	38.0
Toluene	29.5	19.6	ND
Total Xylenes	160	201	15.2
Naphthalene	17.7	36.7	ND

Analyte	12/6/18	3/7/19	6/4/19
Toluene	1.89	1.42	4.53

Analyte	12/5/18	3/5/19	6/5/19
Benzene	8.30	3.32	1.82
MTBE	ND	1.02	1.00

Analyte	12/5/18	3/5/19	6/5/19
Ethylbenzene	2.47	2.40	1.85
Toluene	4.97	4.76	3.59
Total Xylenes	21.1	20.0	14.7

Analyte	12/5/18	3/5/19	6/5/19
Benzene	6,860	8,360	7,390
Ethylbenzene	1,010	1,370	1,220
Toluene	24,400	22,400	16,600
Total Xylenes	8,550	9,180	7,740
MTBE	690	308	312
Naphthalene	ND	261	ND

LEGEND

- Release Point
- Bedrock Monitoring Well
- Piezometer
- Vertical Bedrock Sparing Well
- Vertical Saprolite Sparing Well
- Seep Location
- Recovery Well (4" diameter)
- Recovery Sump
- Recovery Trench Point
- Recovery Trench
- Surface Water Flow Direction
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- National Hydrography Dataset Stream
- Delineated Wetland

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

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

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

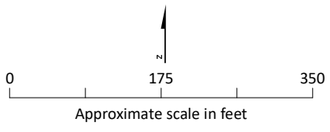

Figure 4B. Groundwater Analytical Results in Bedrock Aquifer, December 2018, March 2019, and June 2019
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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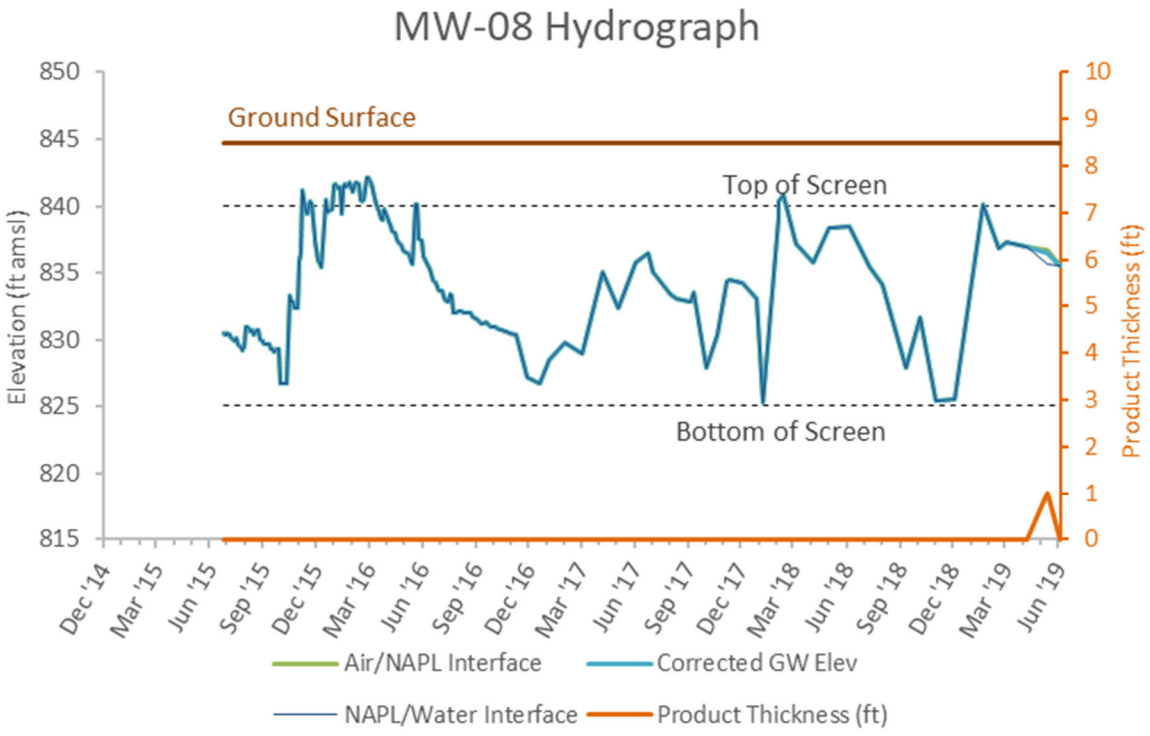
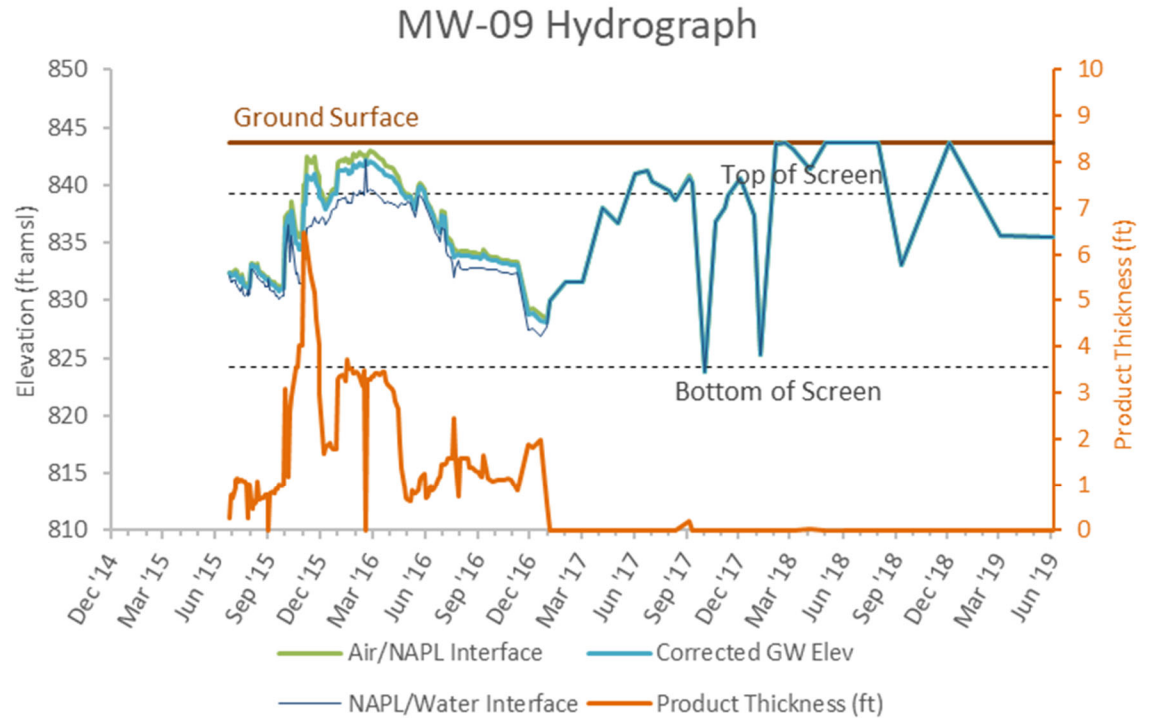
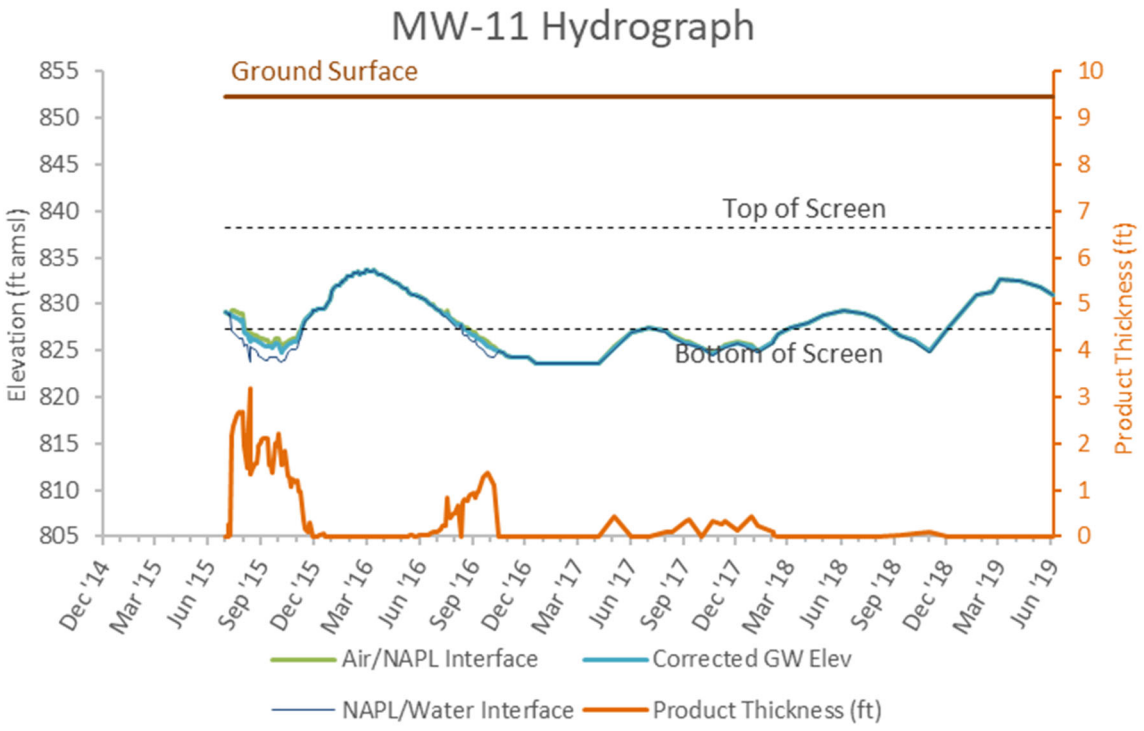
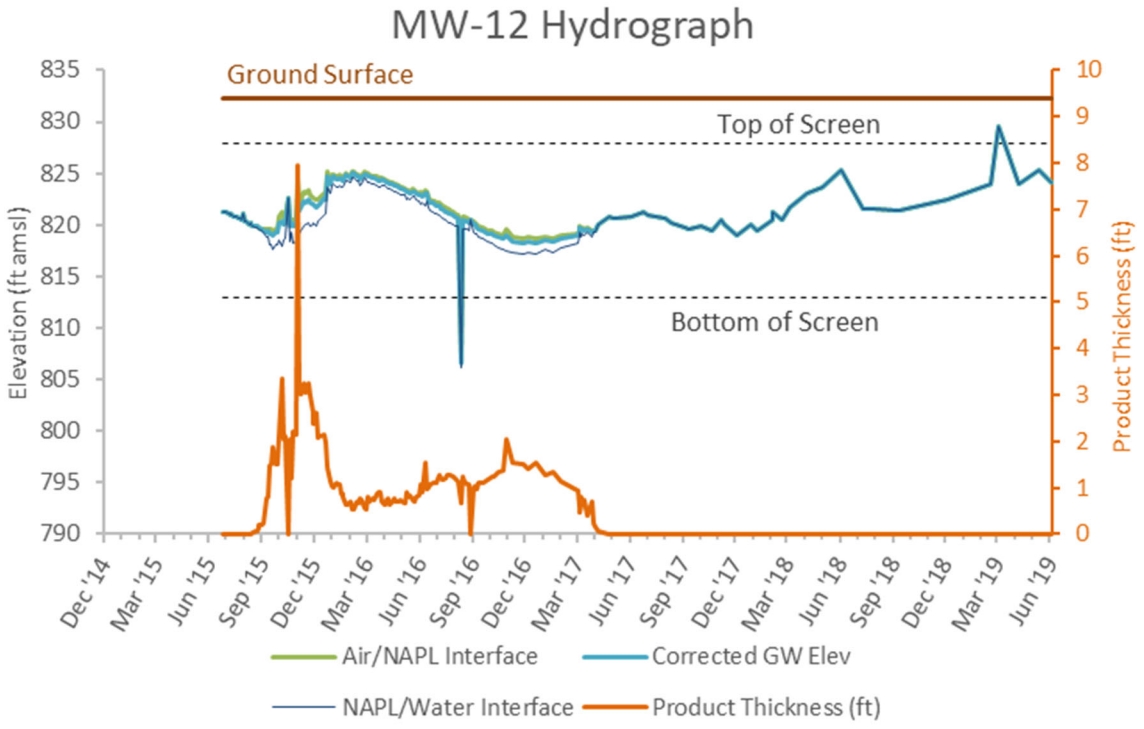
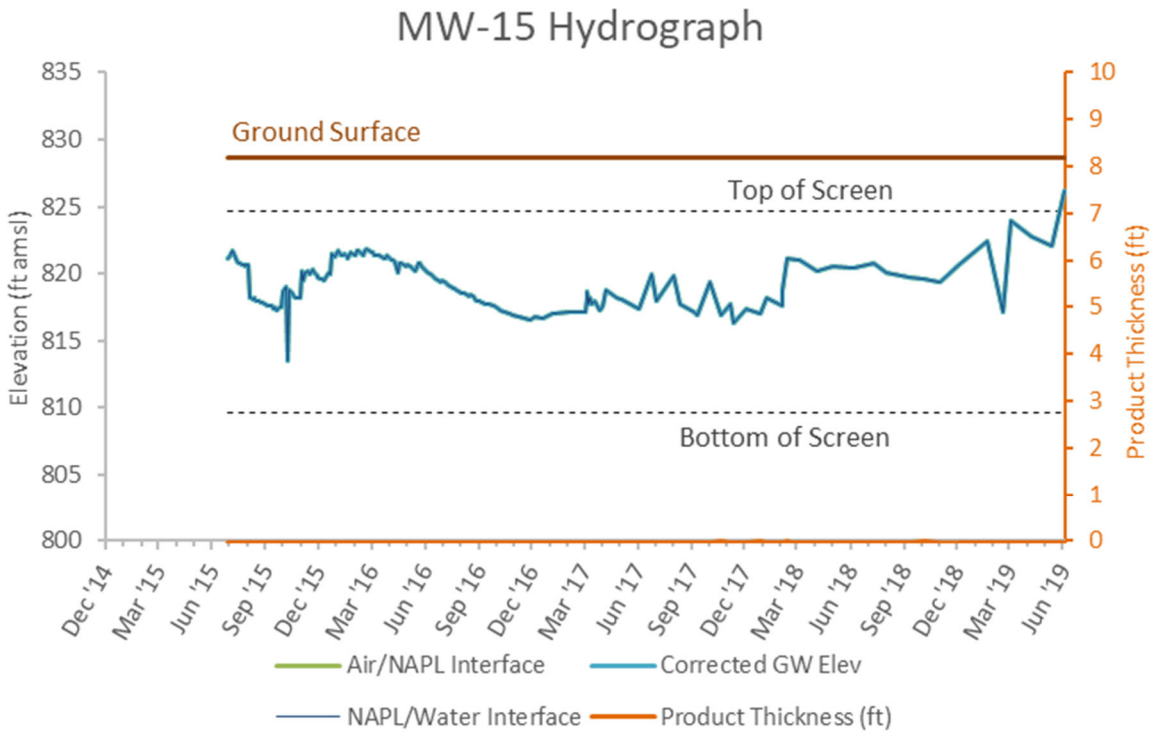
Attachment A
Product Thickness Trends

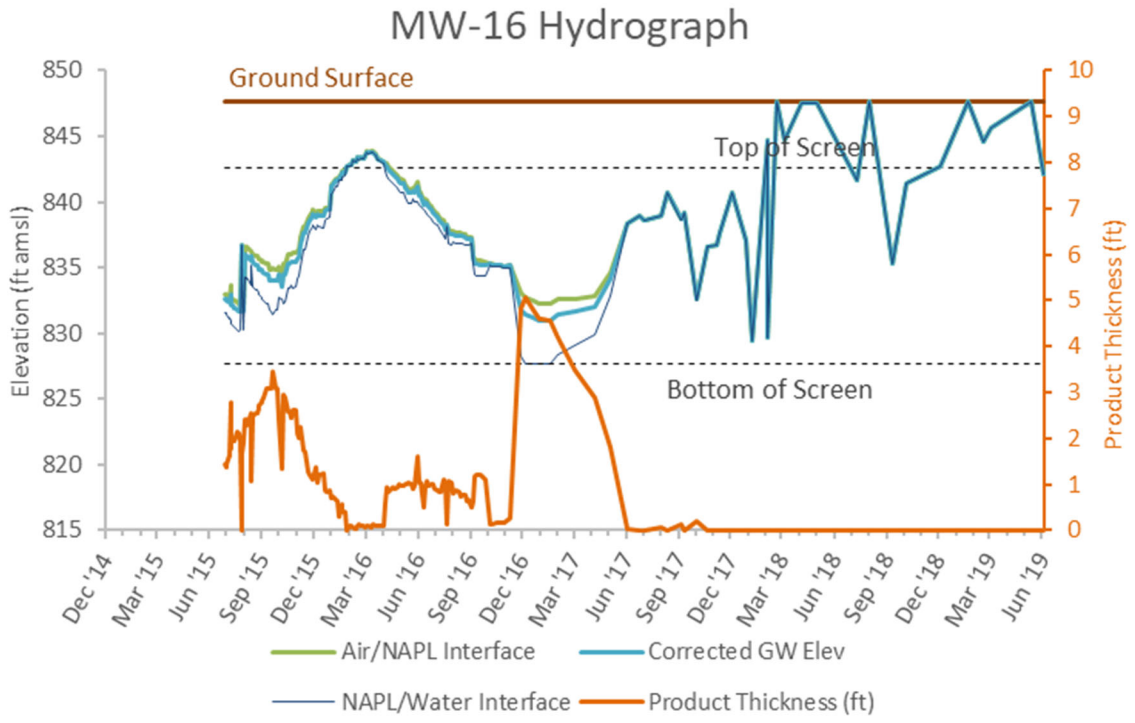

MW-08 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


MW-09 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
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


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
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


MW-12 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
835
830
825
820
815
810
805
800
795
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
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
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


MW-16 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
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4
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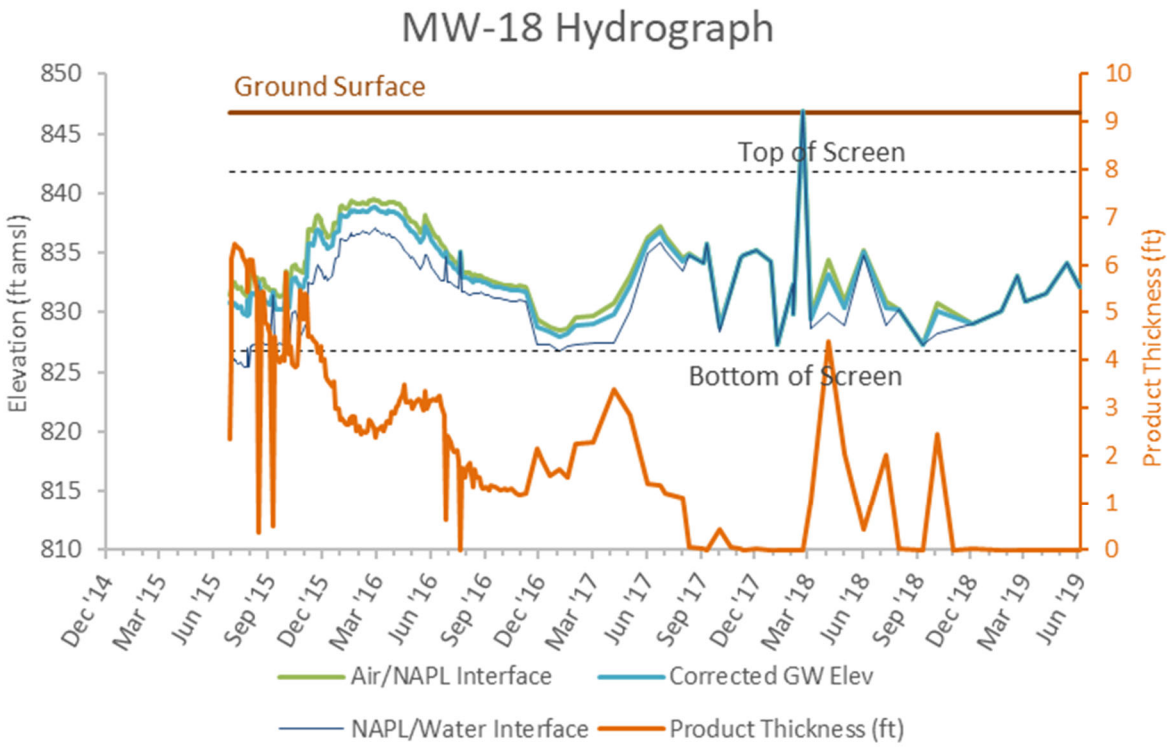
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


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
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7
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4
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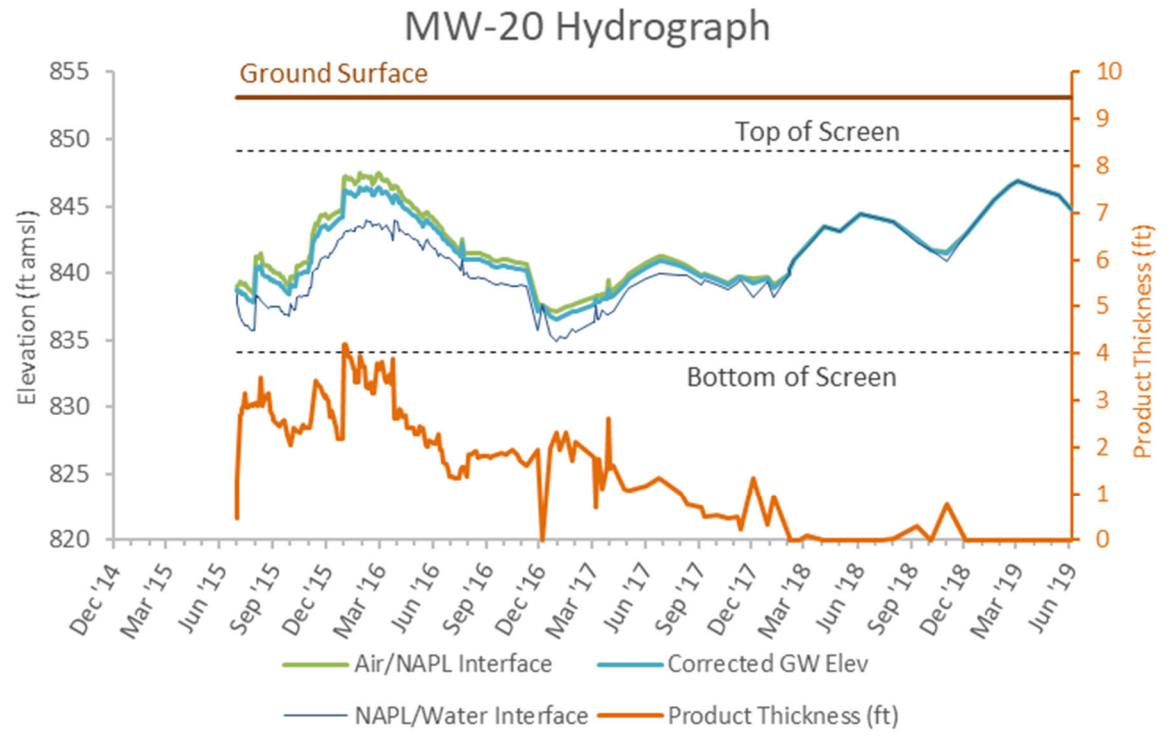
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


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
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7
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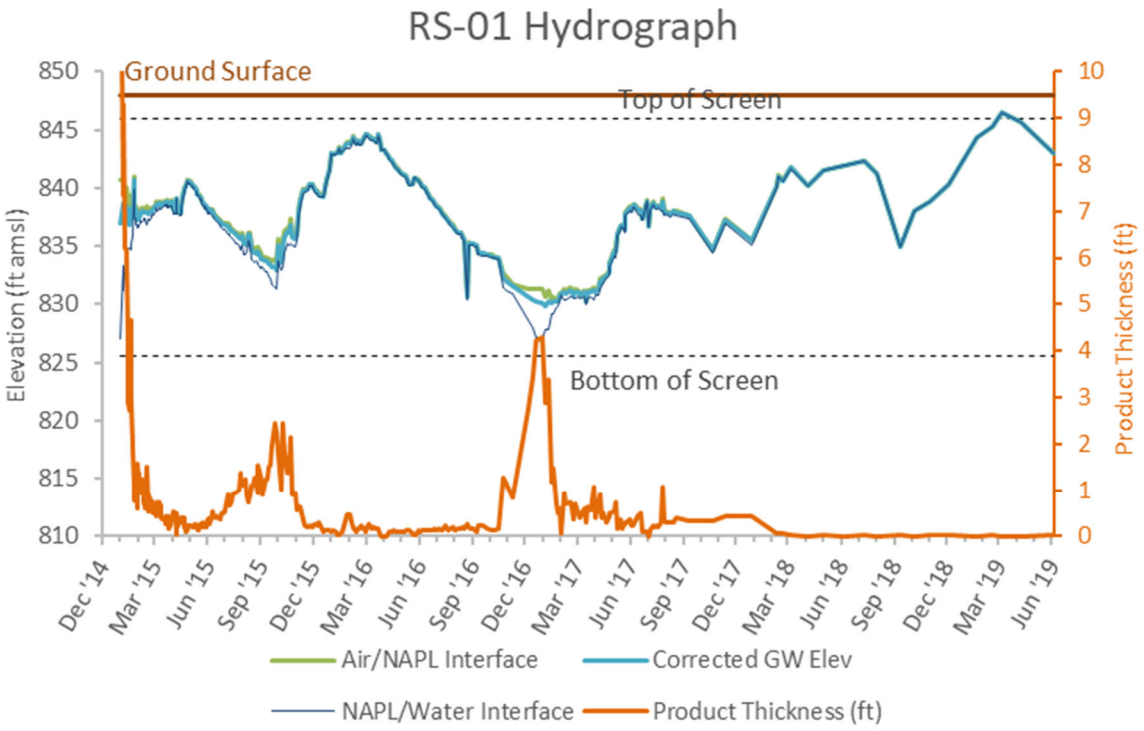
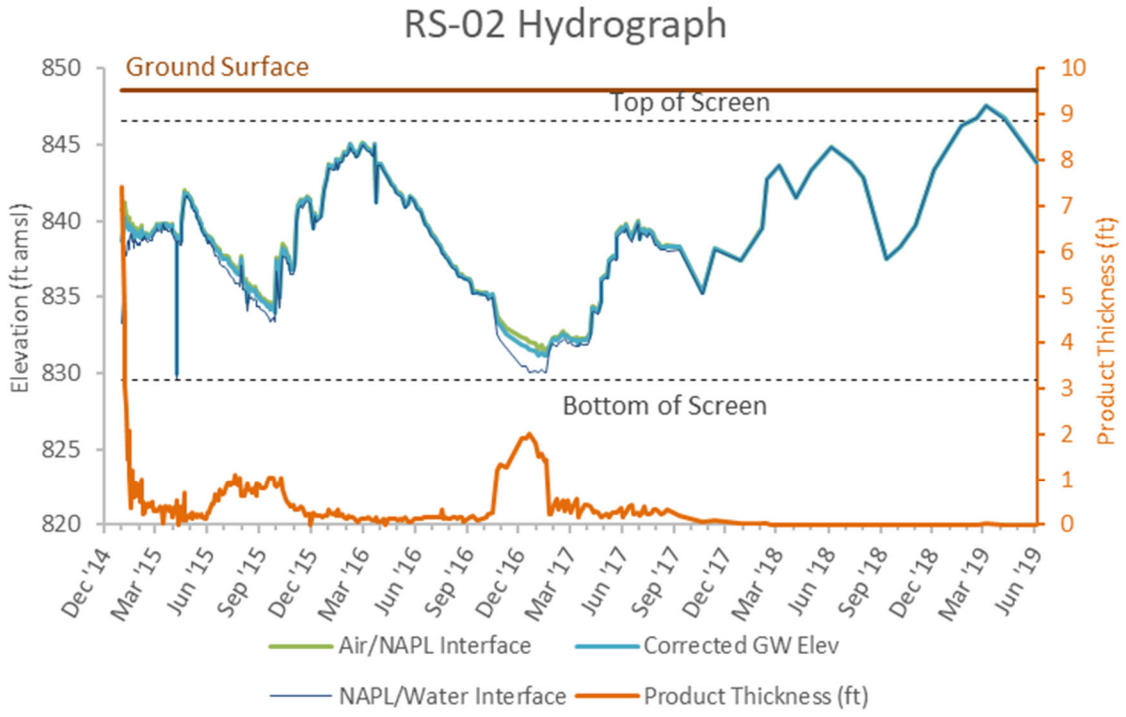
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)


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
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
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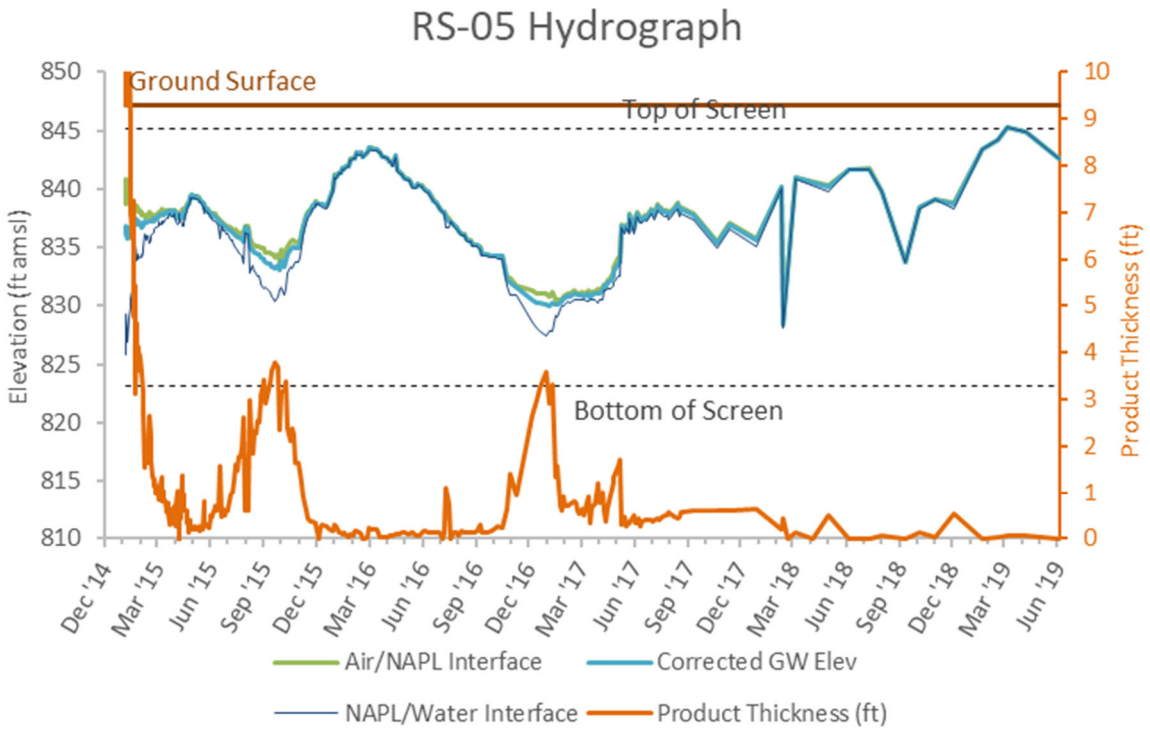
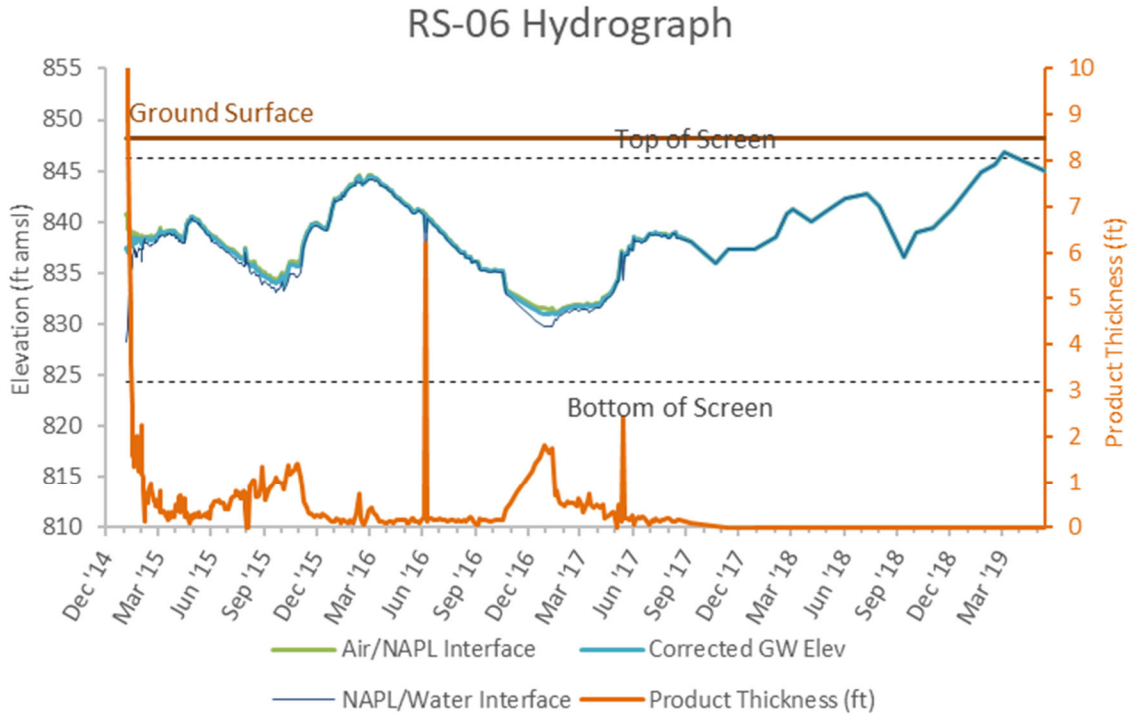
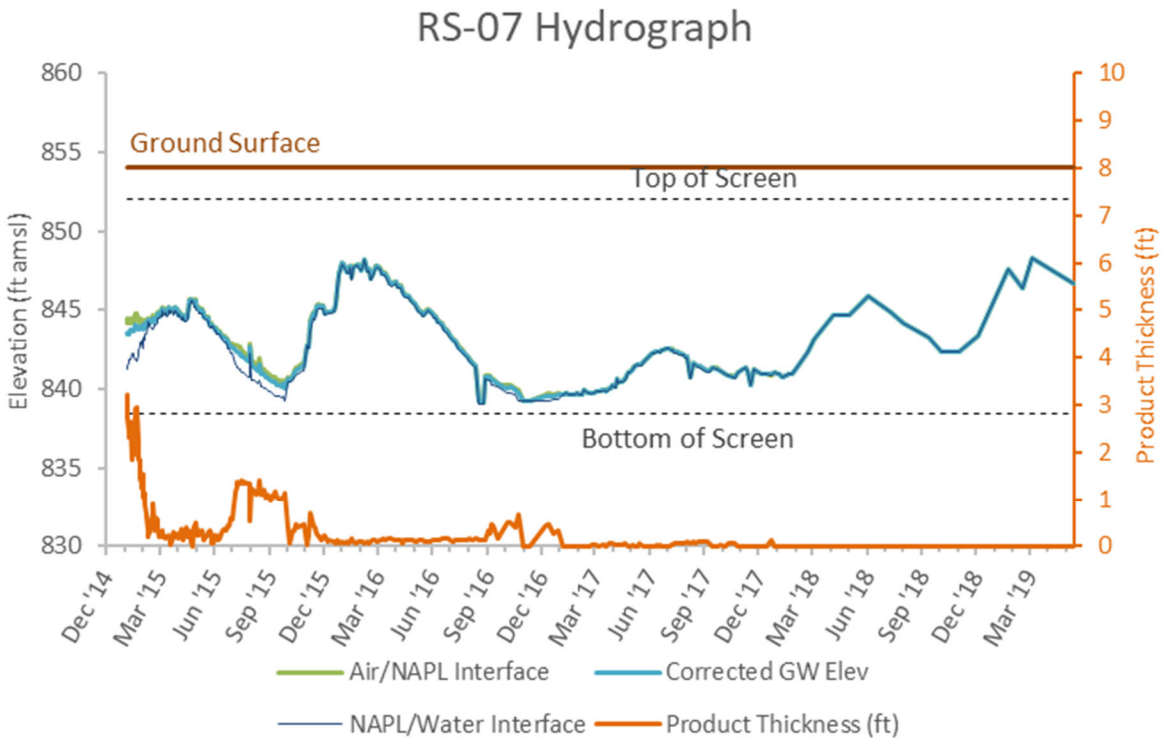
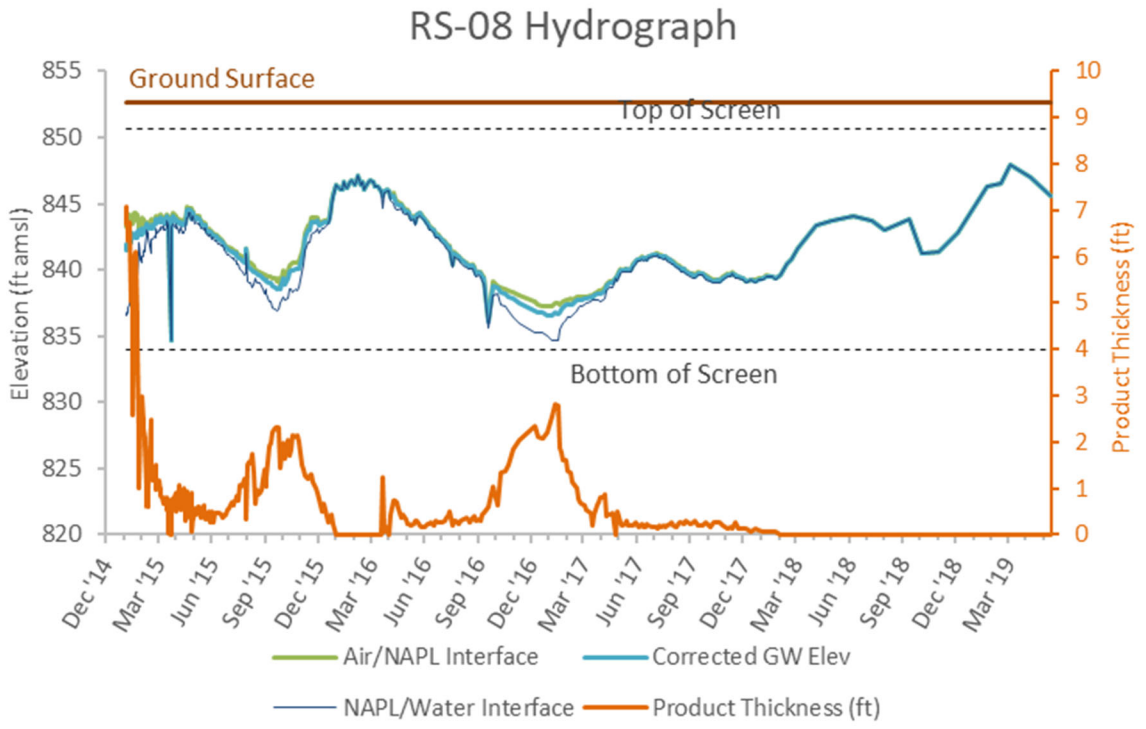
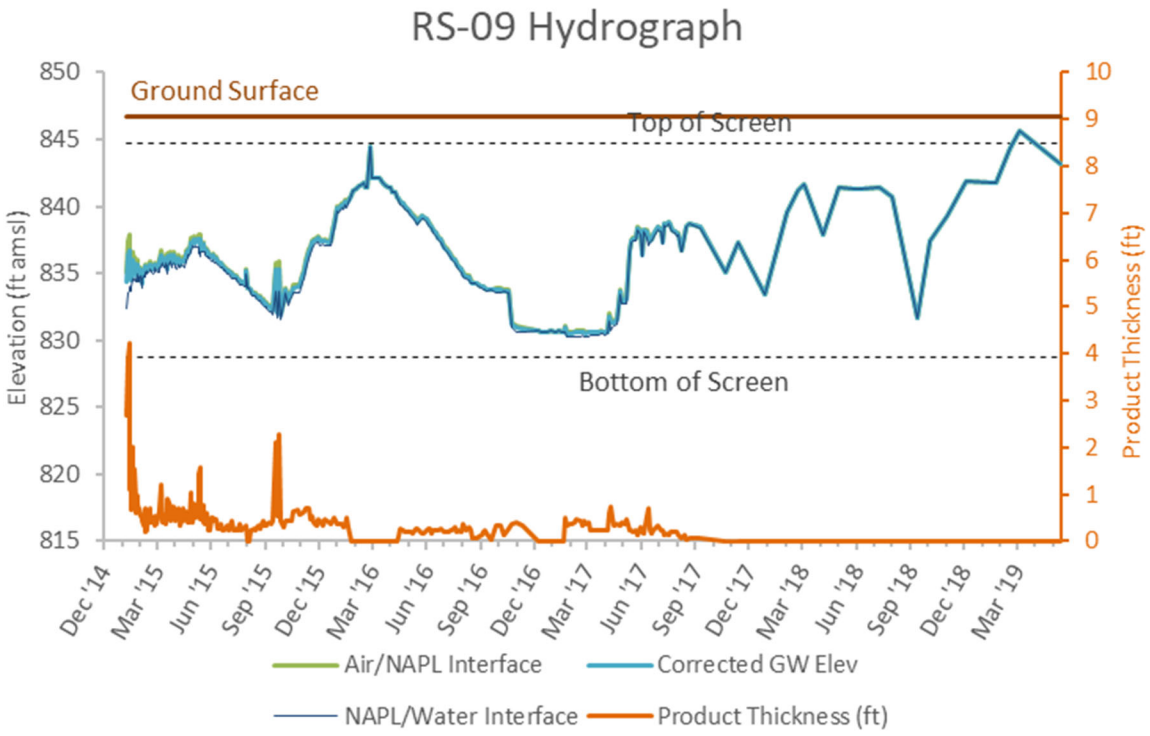
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Jun '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

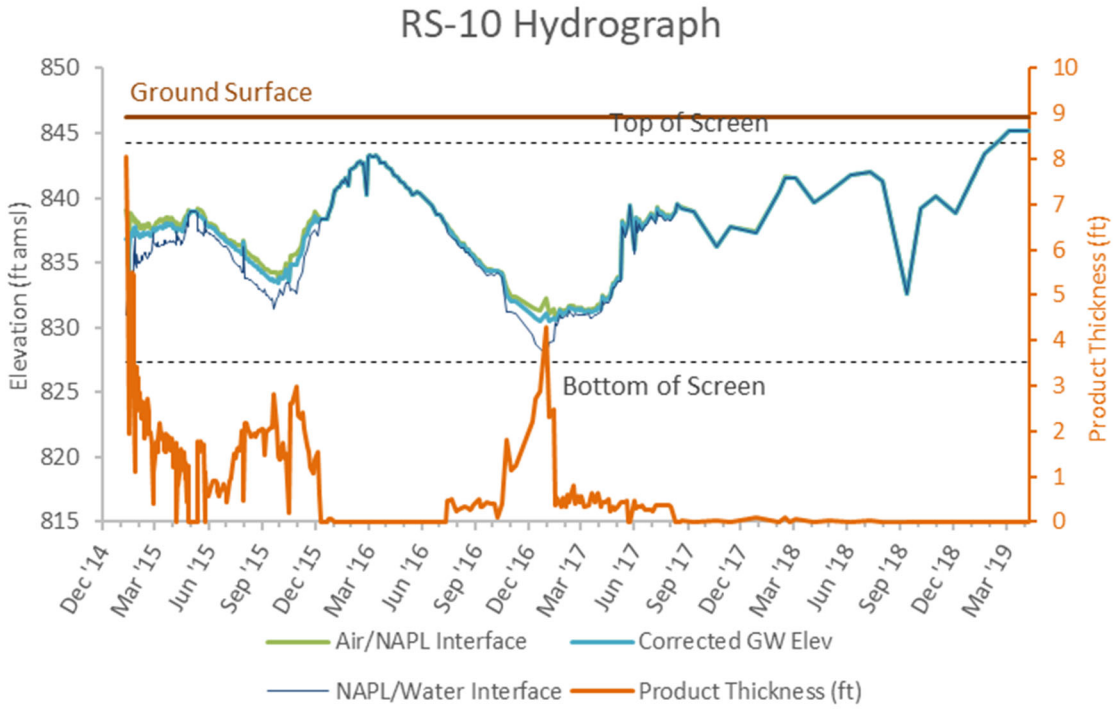

RS-05 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18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

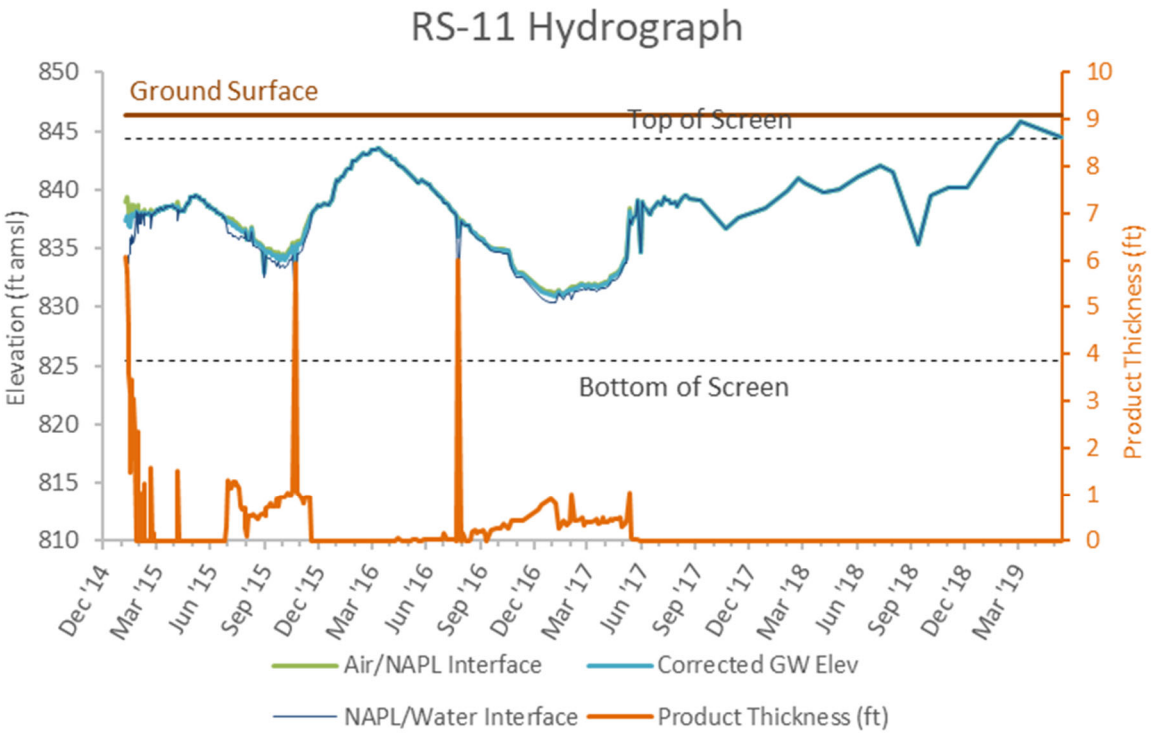

RS-06 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

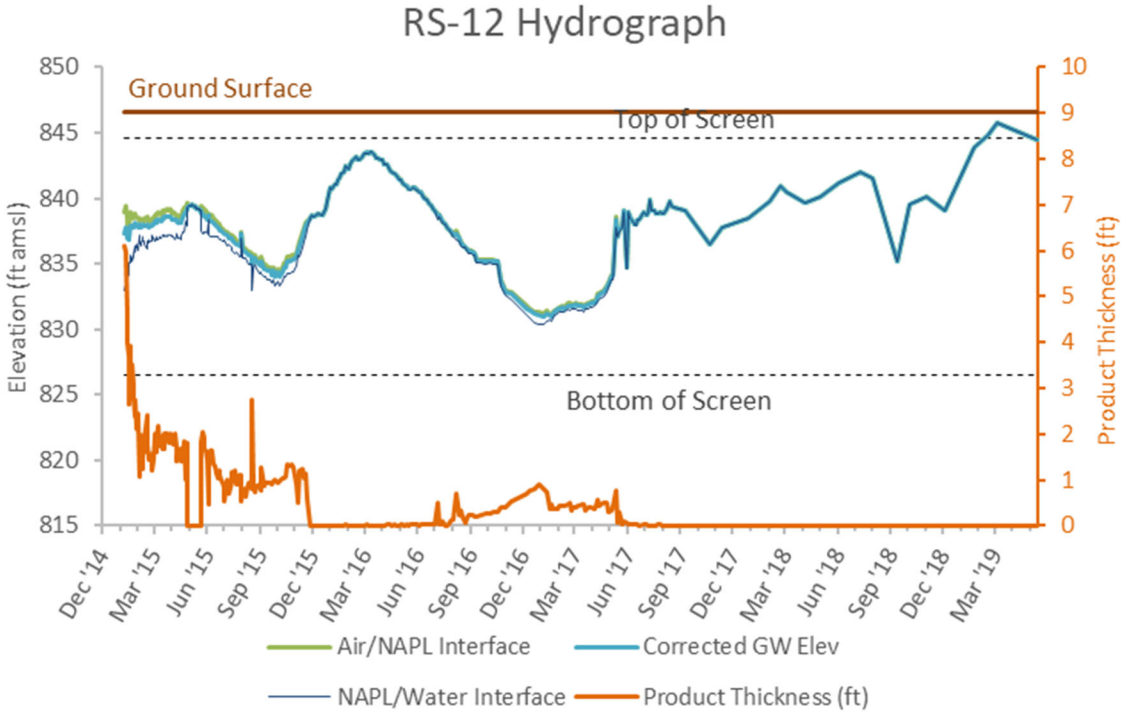

RS-07 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
855
850
845
840
835
830
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19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

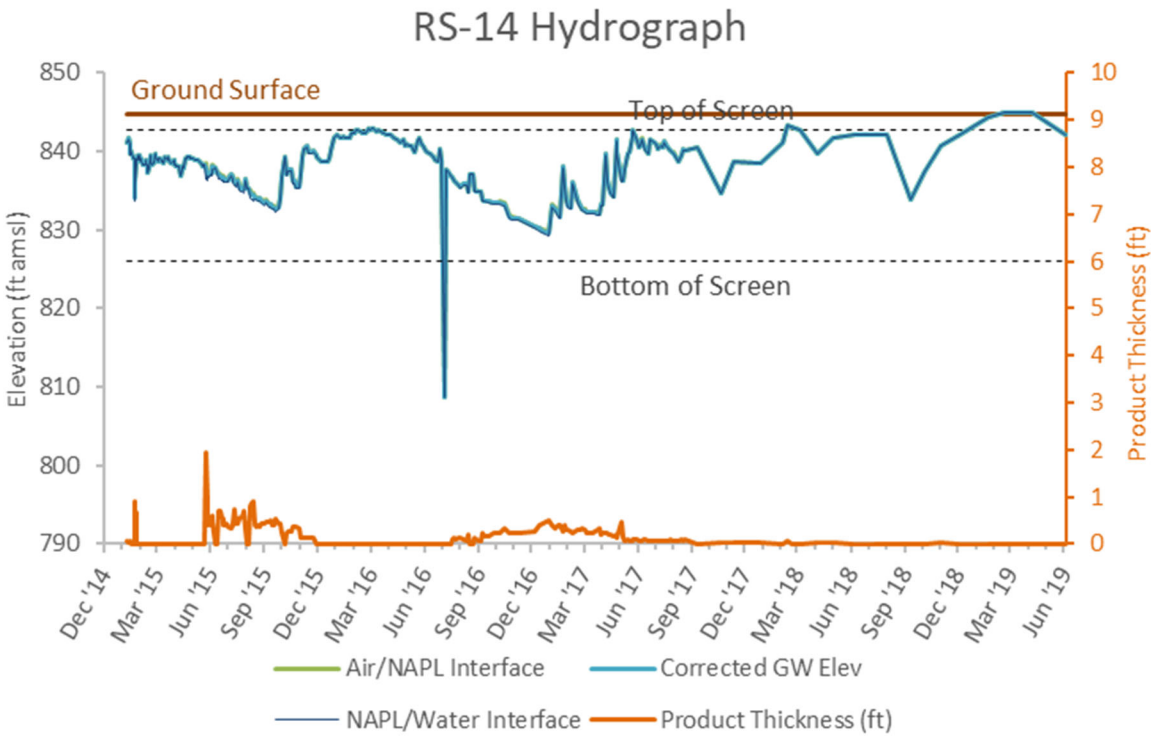

RS-08 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

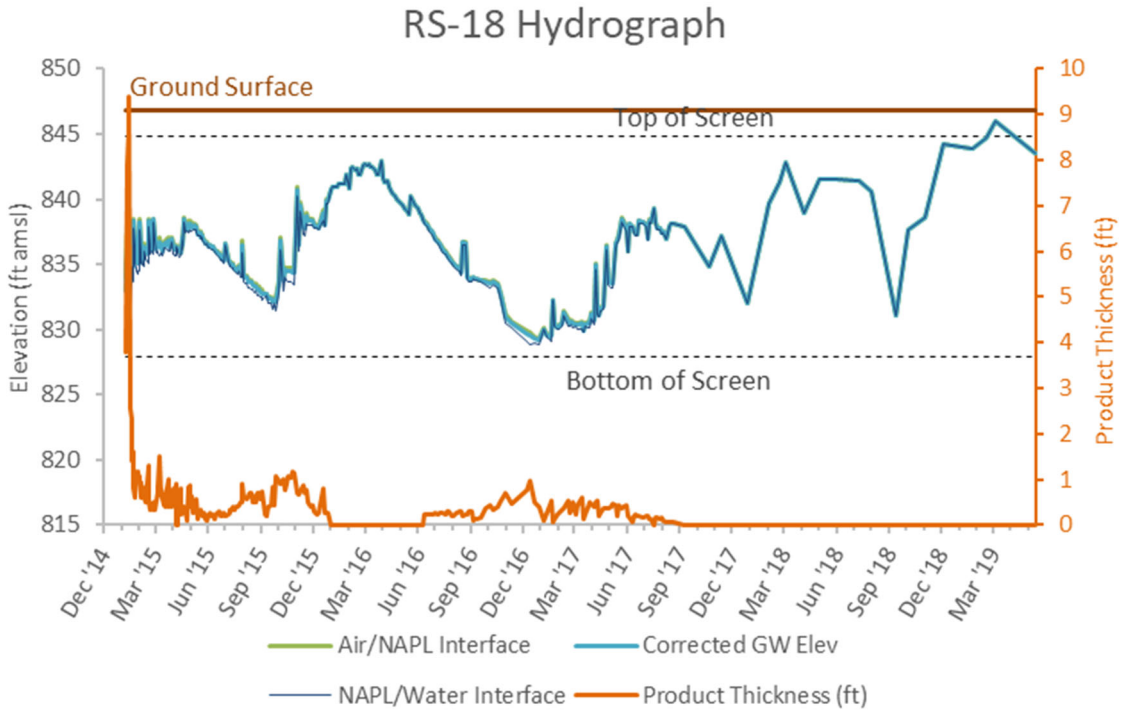

RS-09 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

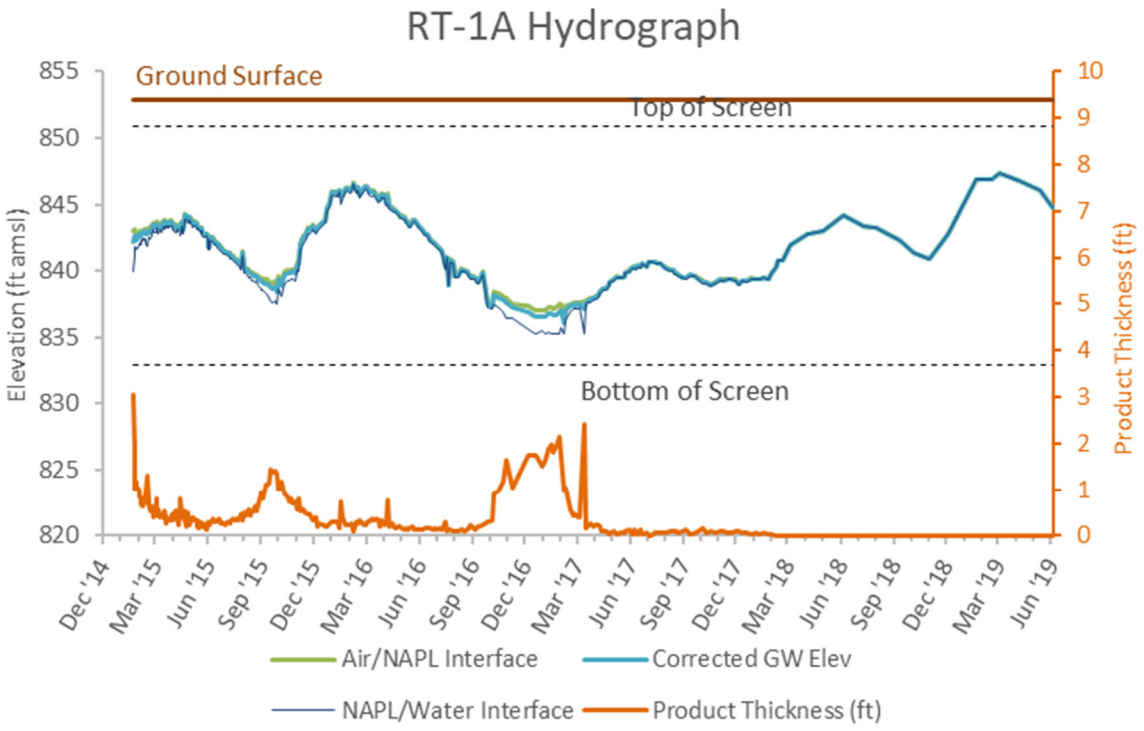

RS-10 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

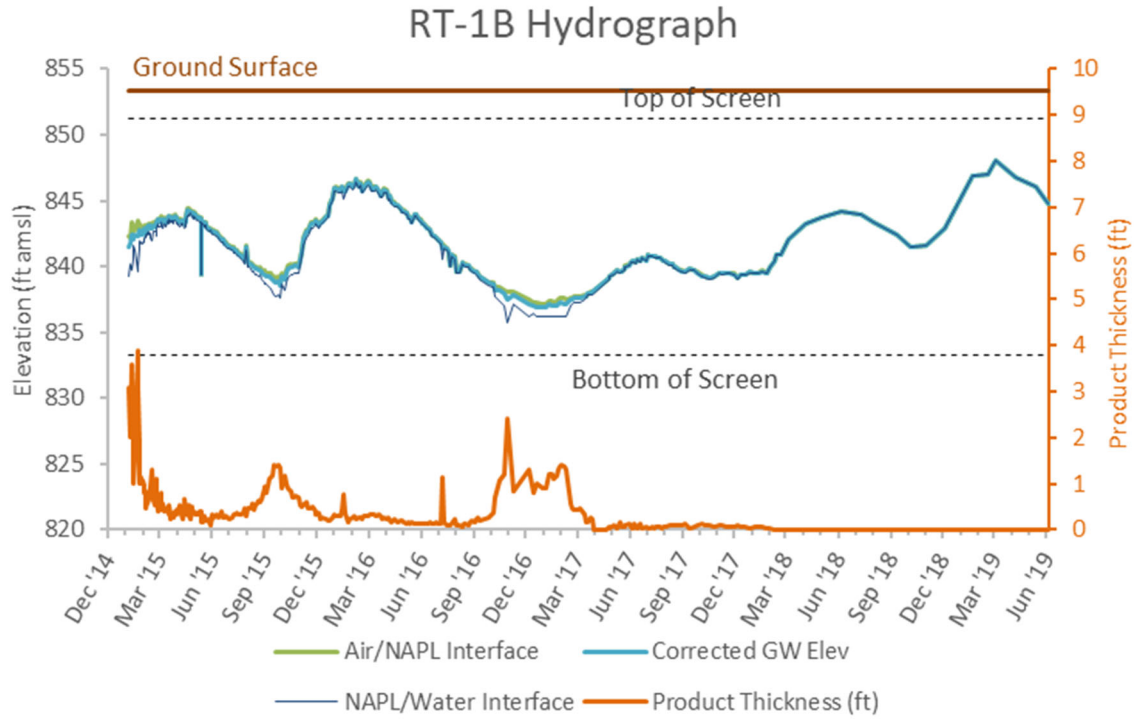

RS-11 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
810
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18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

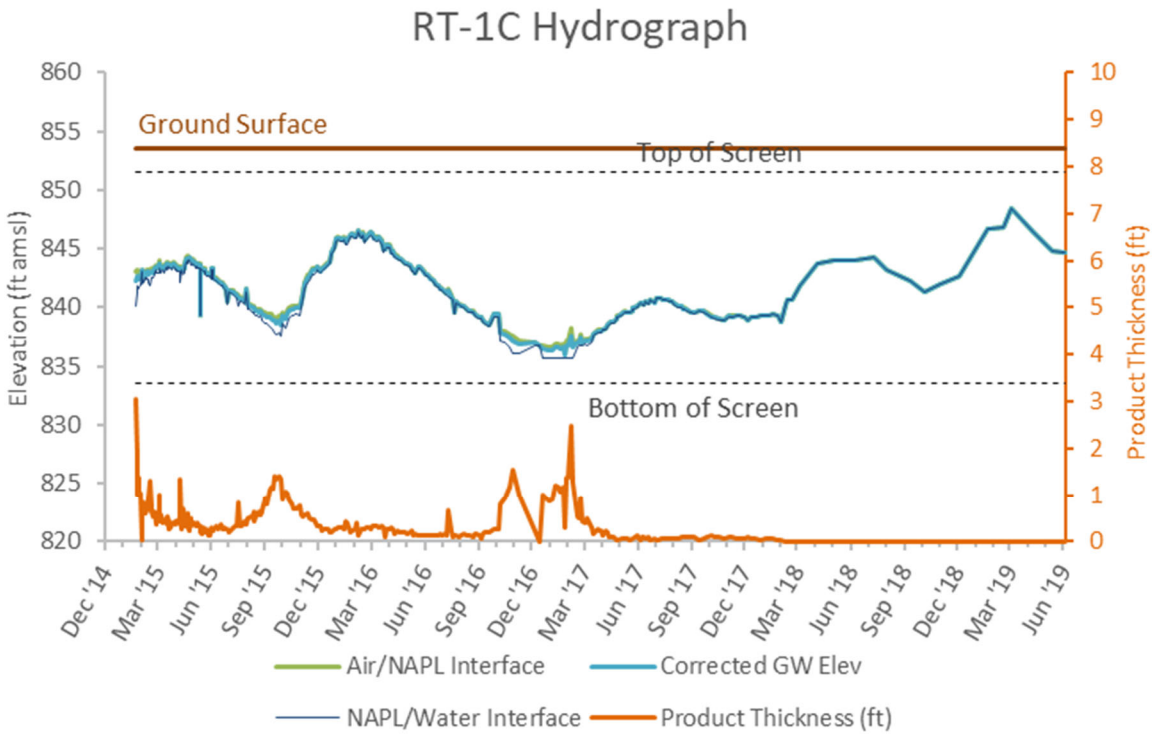

RS-12 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

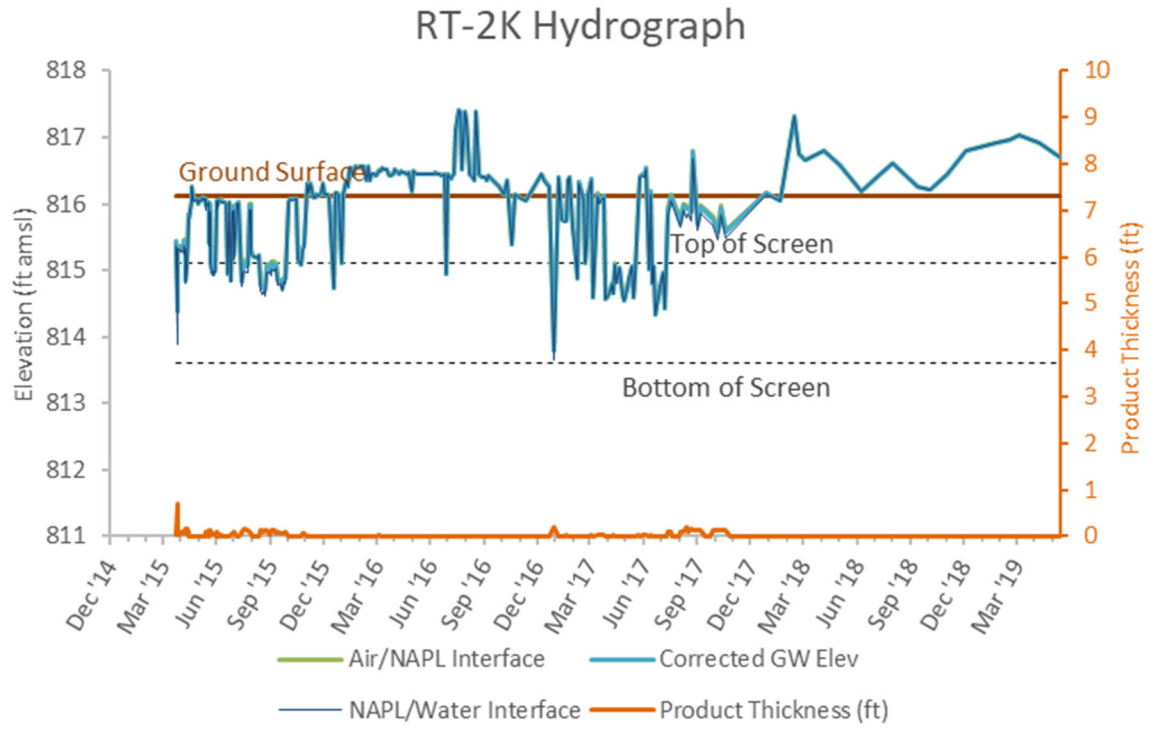

RS-14 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
840
830
820
810
800
790
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19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

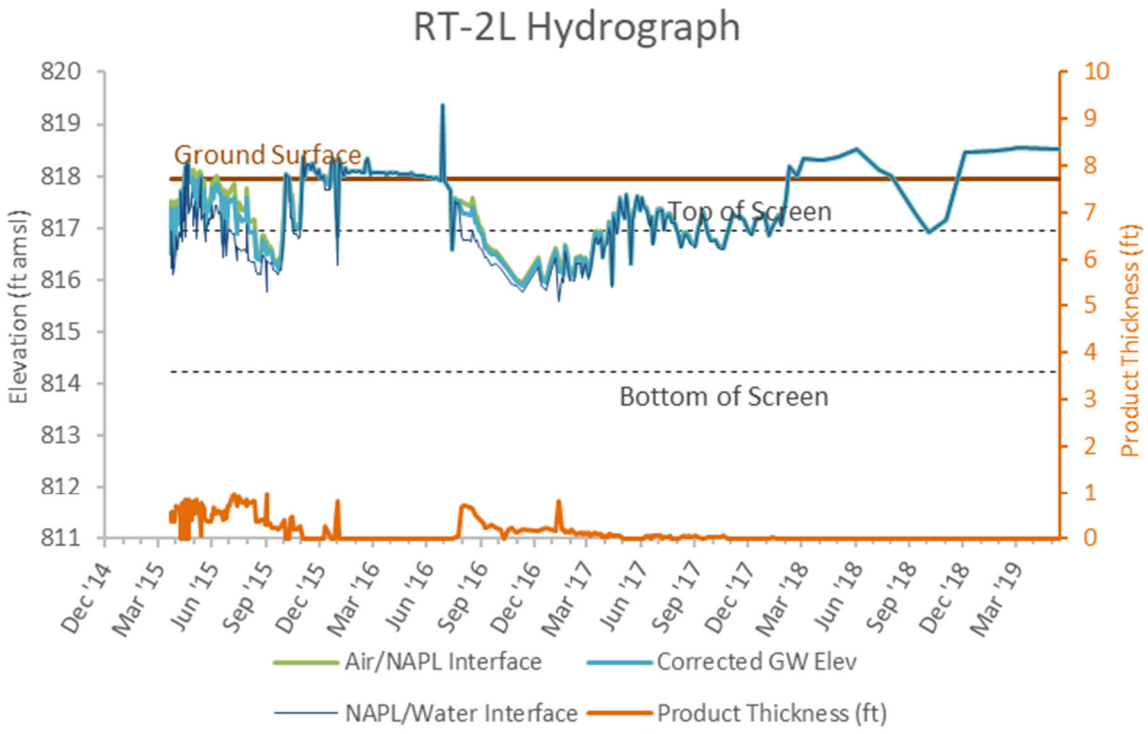

RS-18 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

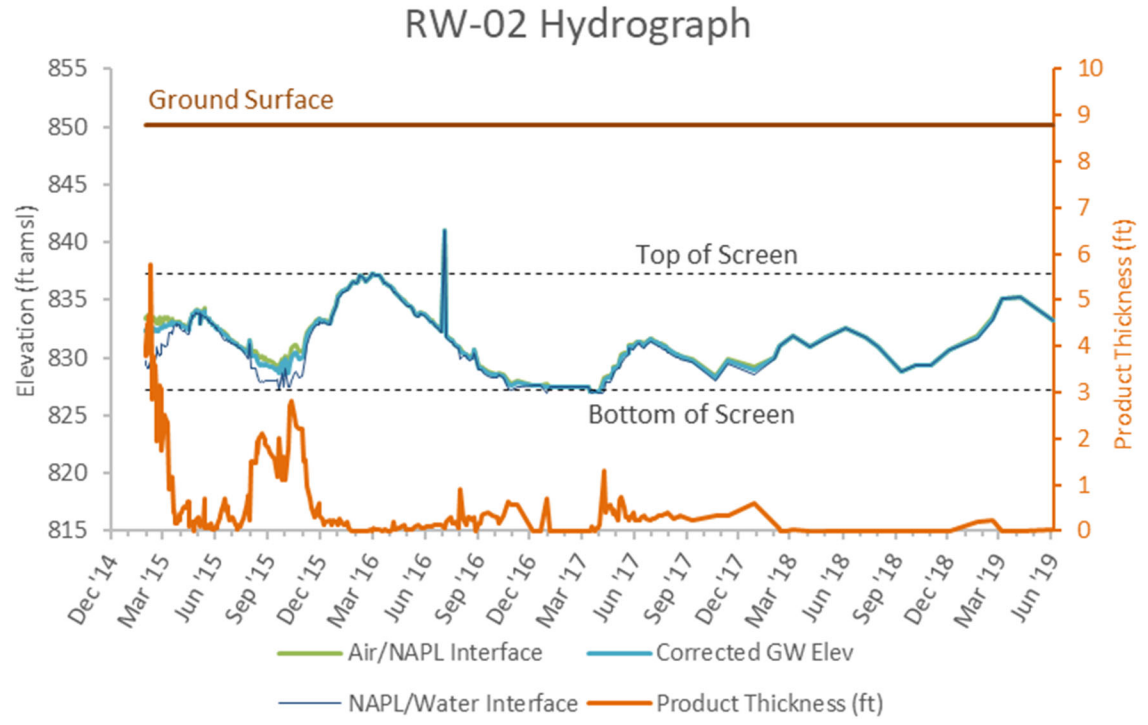

RT-1A Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

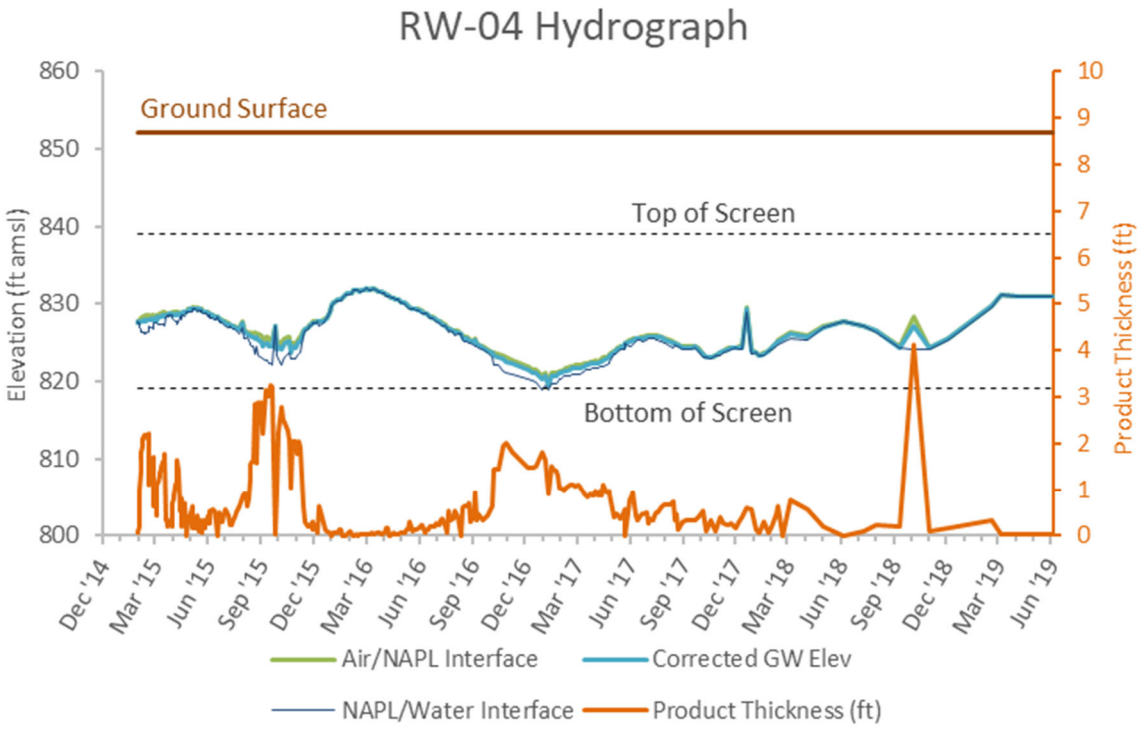

RT-1B Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

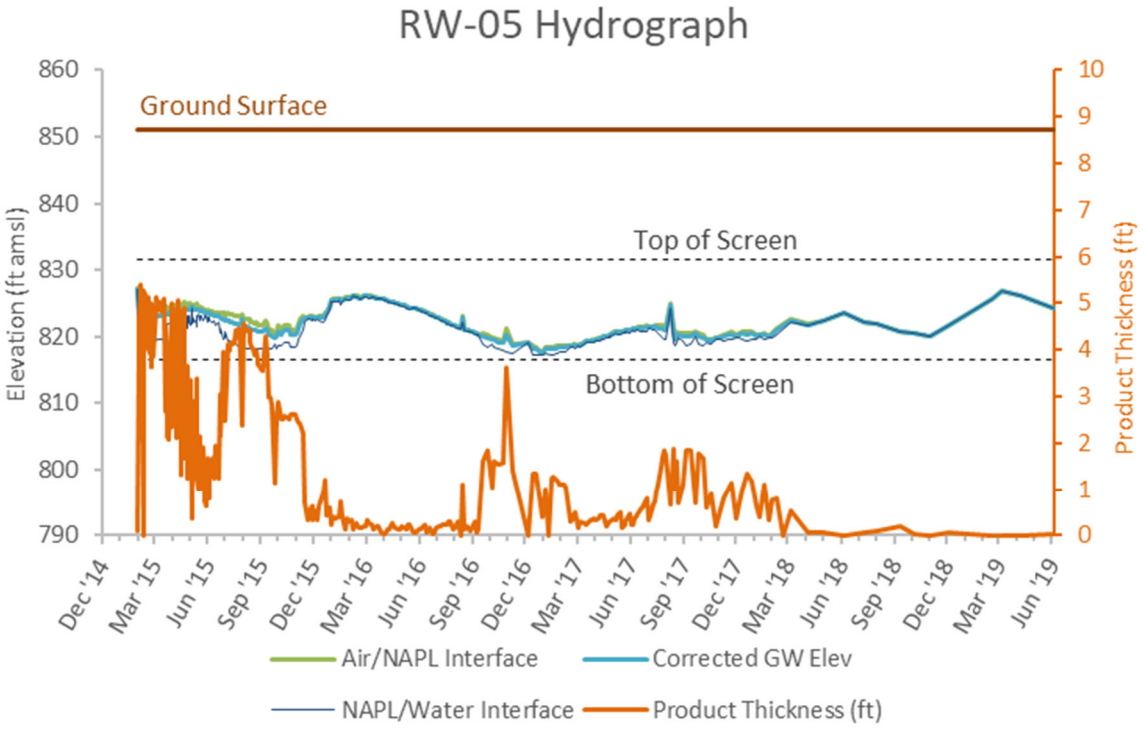

RT-1C Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
855
850
845
840
835
830
825
820
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18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

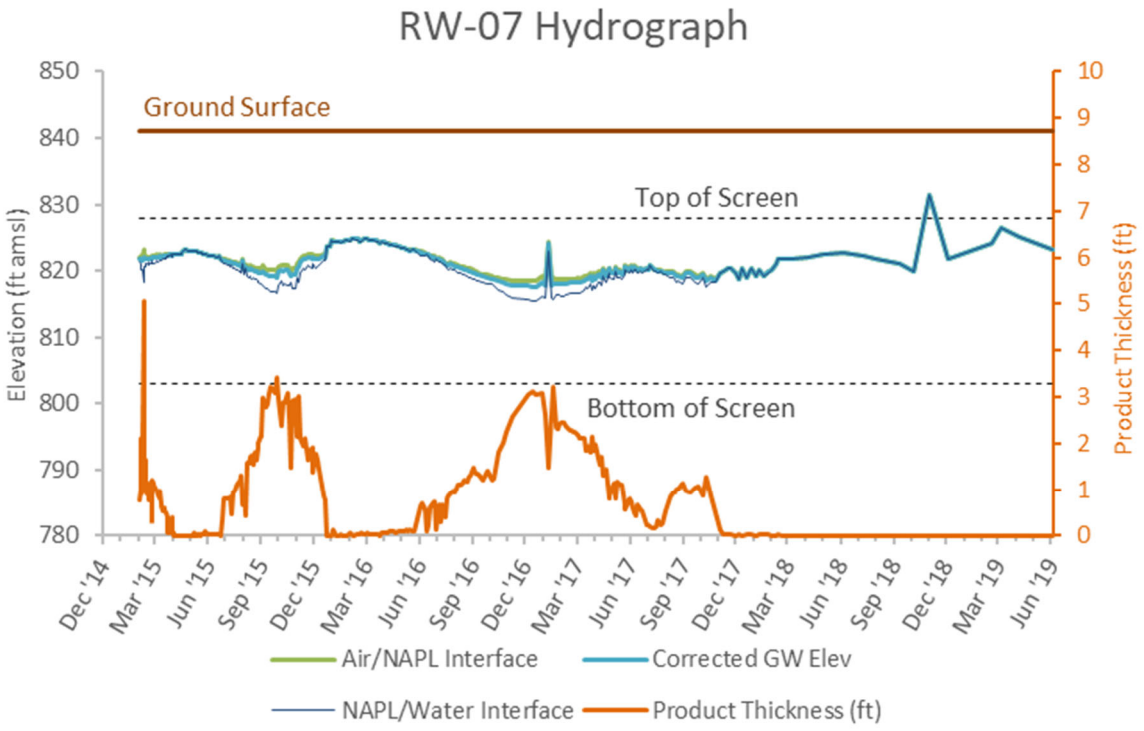

RT-2K Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
818
817
816
815
814
813
812
811
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

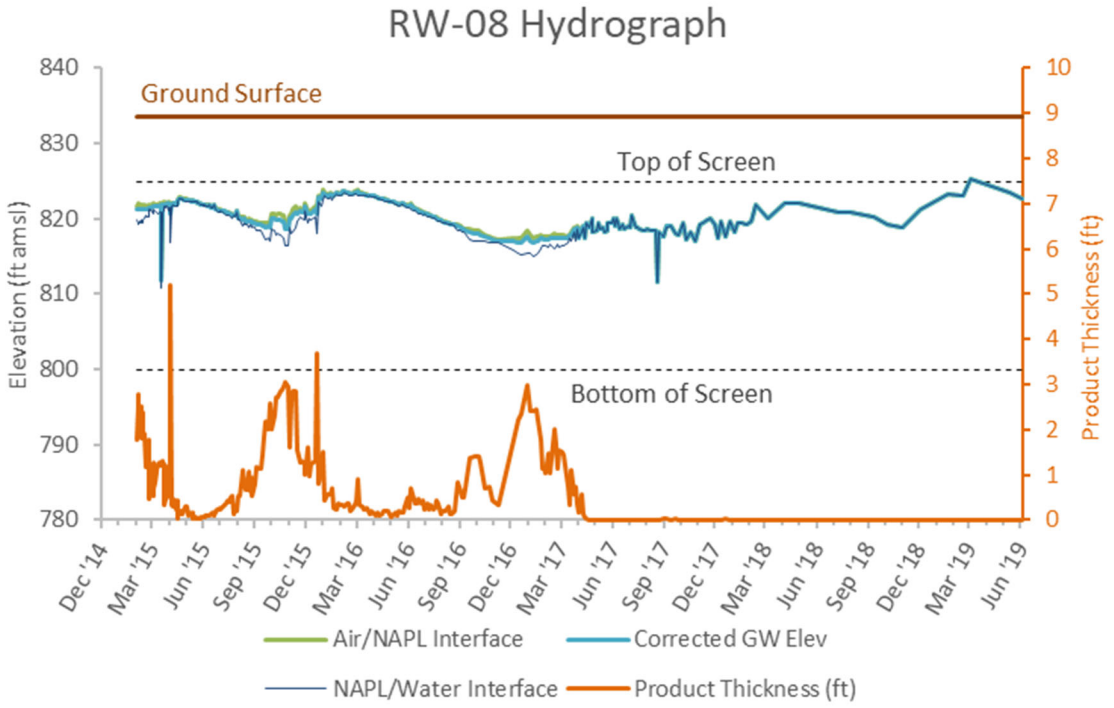

RT-2L Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
820
819
818
817
816
815
814
813
812
811
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

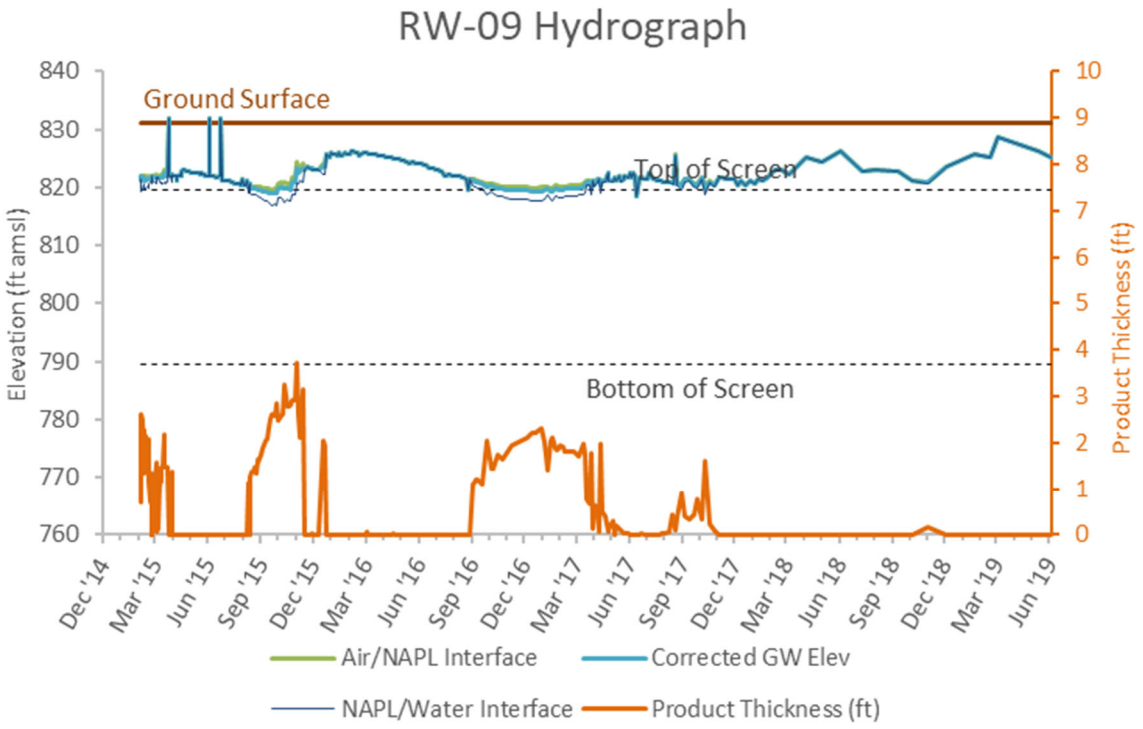

RW-02 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
855
850
845
840
835
830
825
820
815
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18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

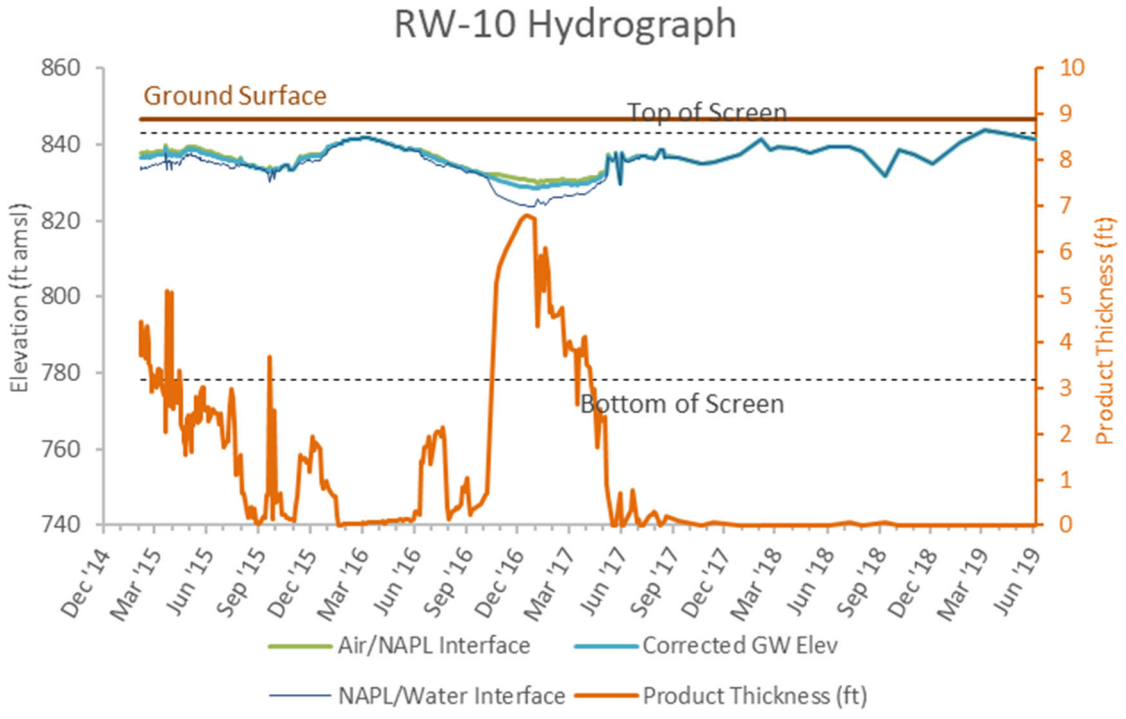

RW-04 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19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

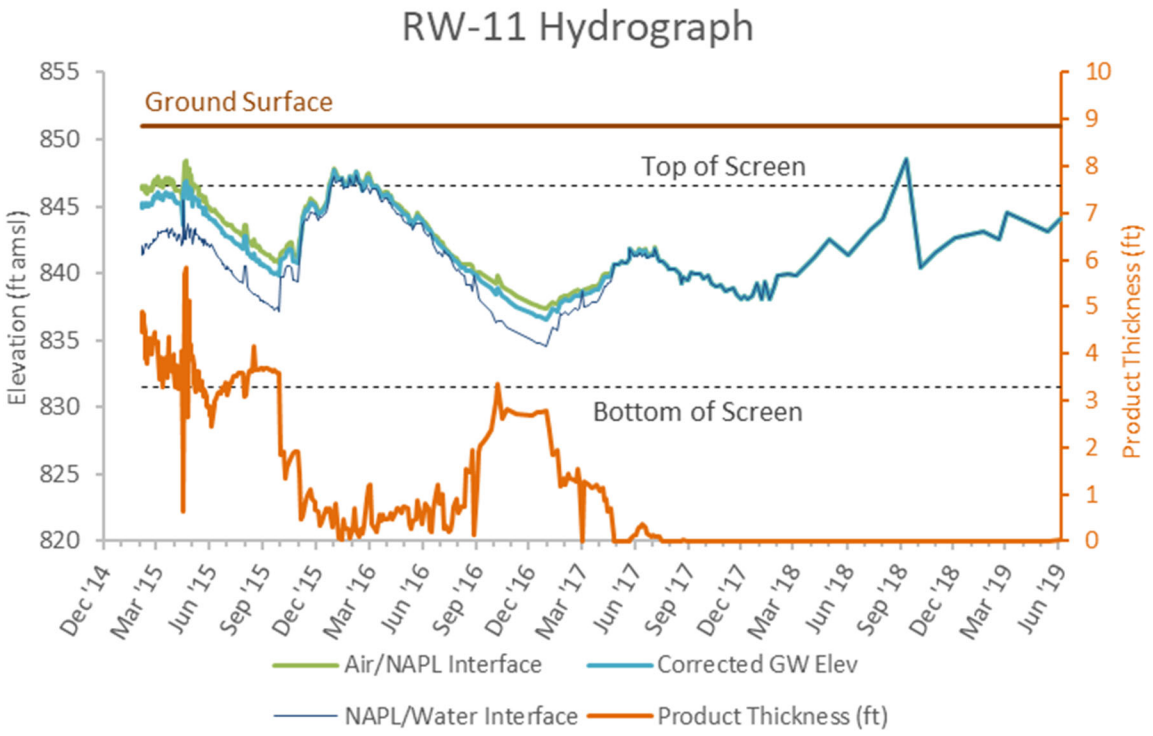

RW-05 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
790
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

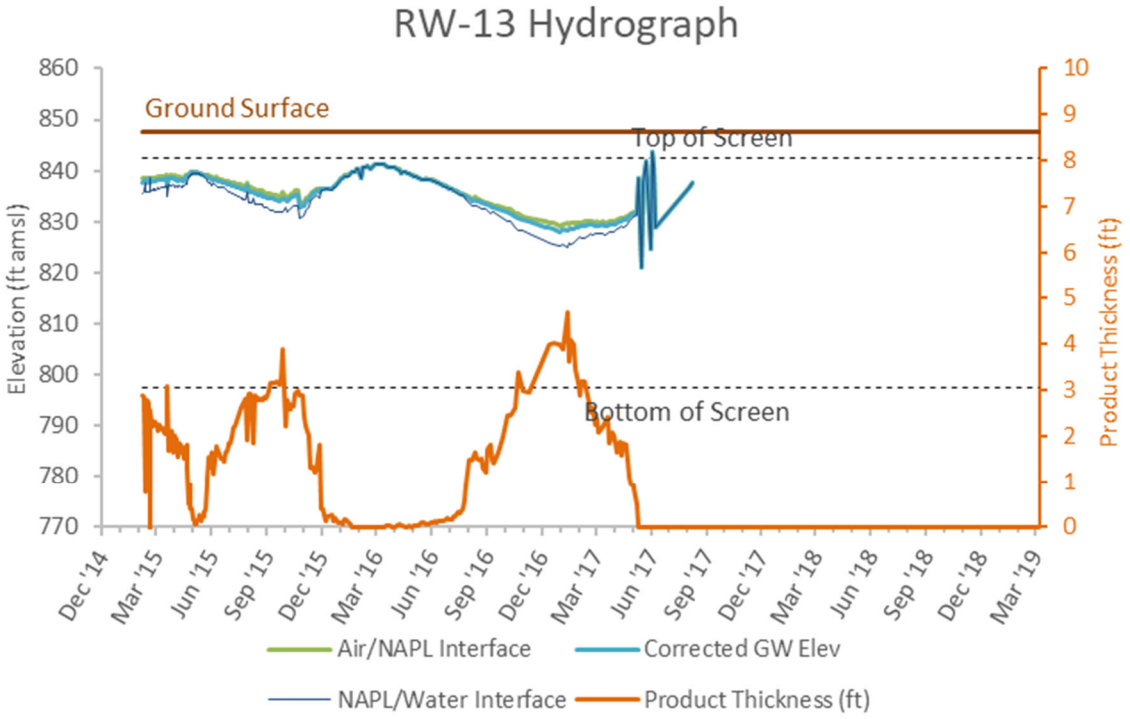

RW-07 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
850
840
830
820
810
800
790
780
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar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

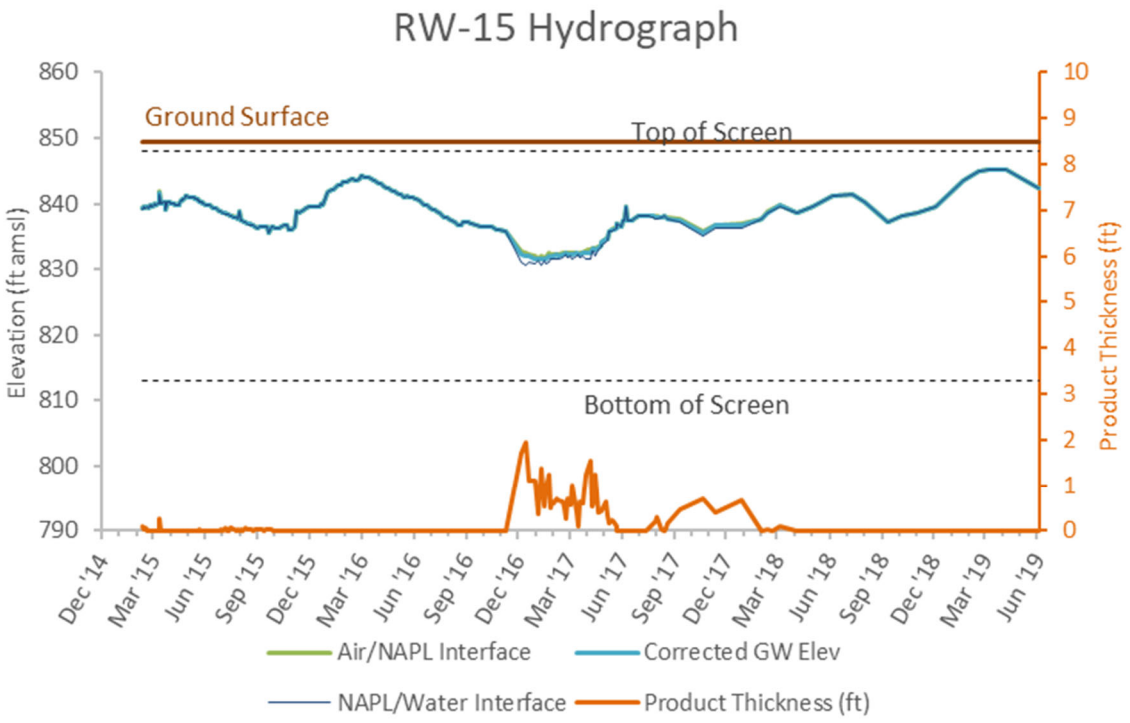

RW-08 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
840
830
820
810
800
790
780
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19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

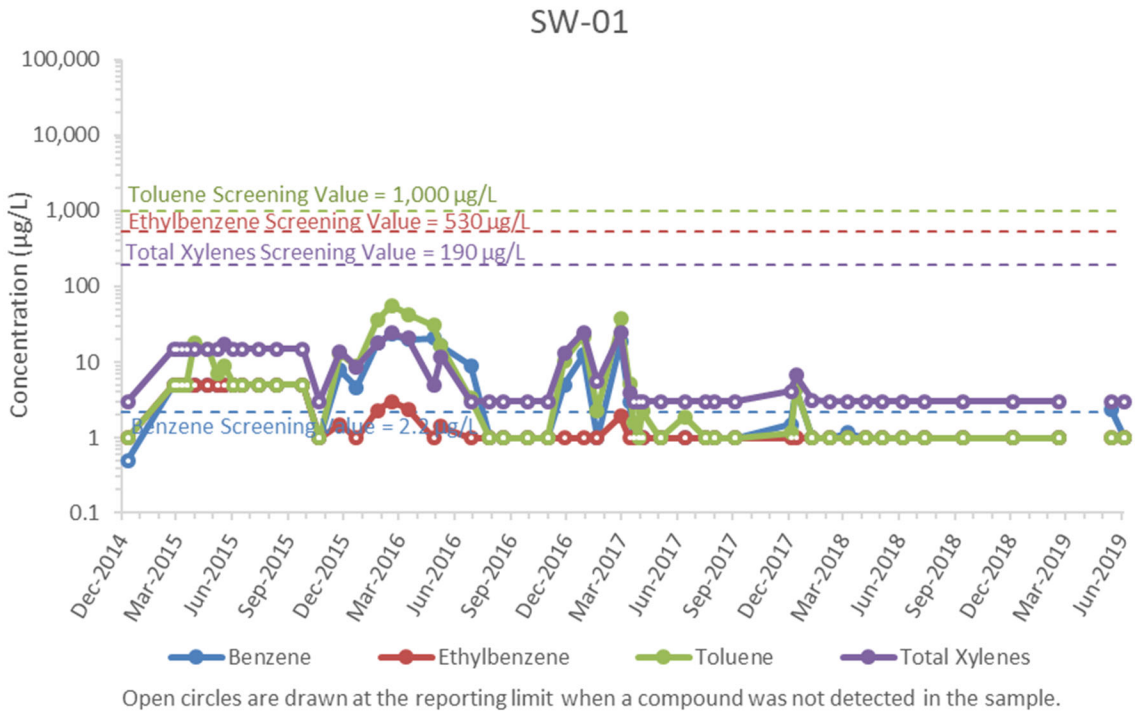

RW-10 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
840
820
800
780
760
740
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19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

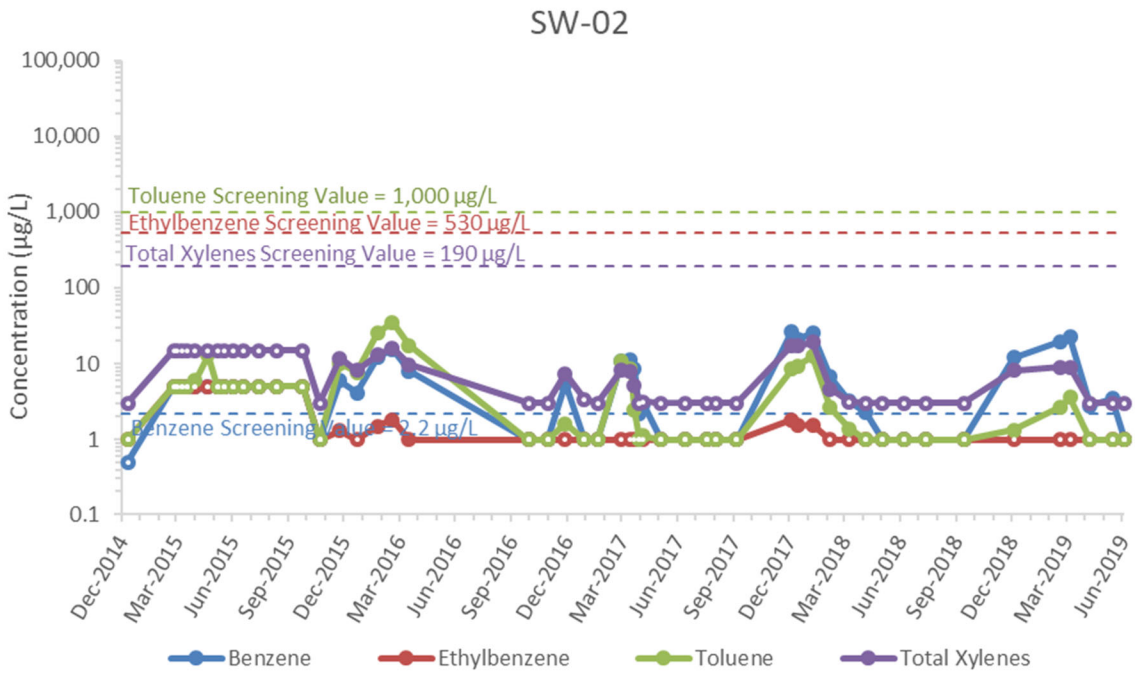

RW-13 Hydrograph
Ground Surface
Top of Screen
Bottom of Screen
Elevation (ft amsl)
Product Thickness (ft)
860
850
840
830
820
810
800
790
780
770
10
9
8
7
6
5
4
3
2
1
0
Dec '14
Mar '15
Jun '15
Sep '15
Dec '15
Mar '16
Jun '16
Sep '16
Dec '16
Mar '17
Jun '17
Sep '17
Dec '17
Mar '18
Jun '18
Sep '18
Dec '18
Mar '19
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
Air/NAPL Interface
Corrected GW Elev
NAPL/Water Interface
Product Thickness (ft)

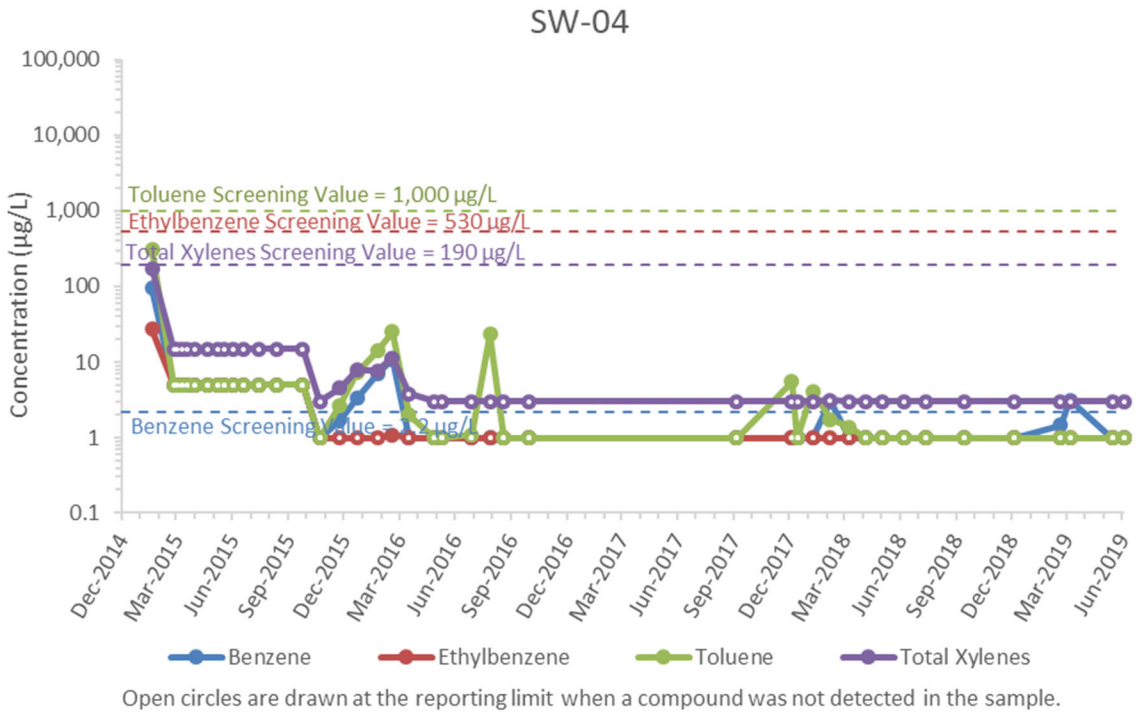
Attachment B
Surface Water Analytical Trends



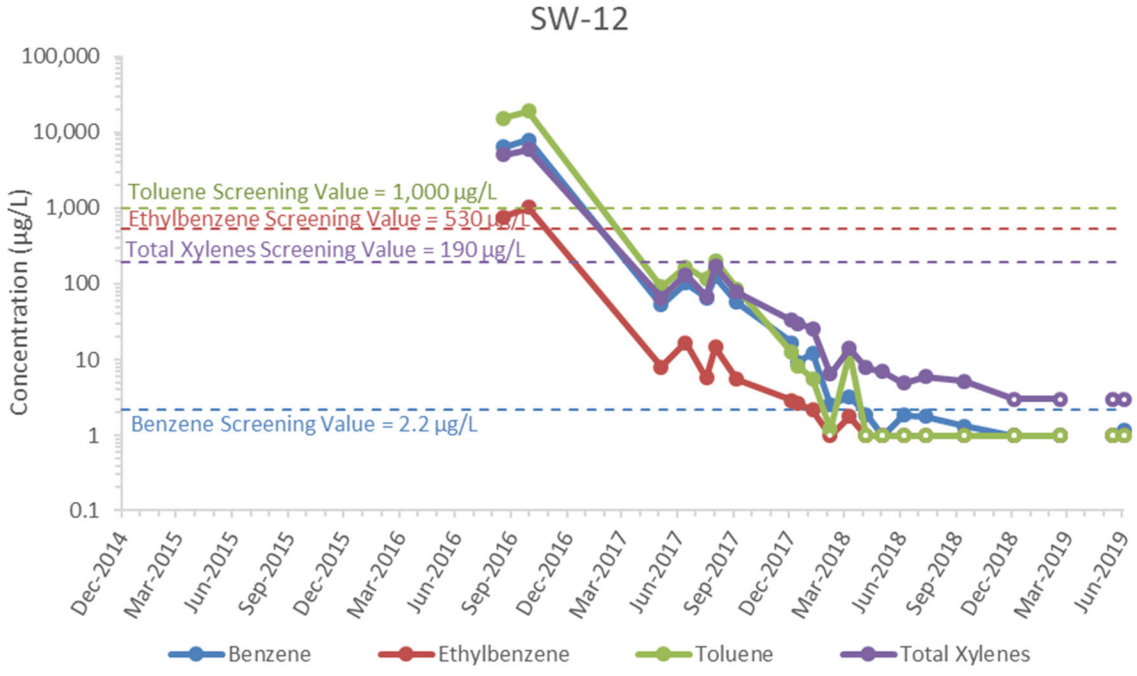
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



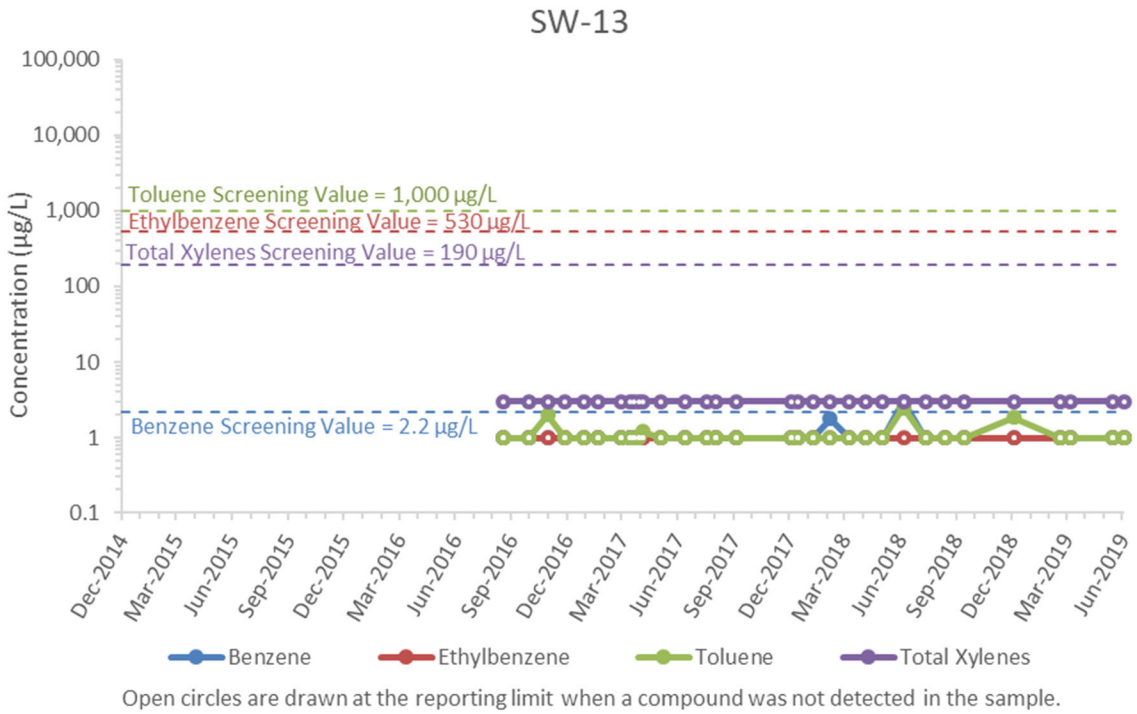
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



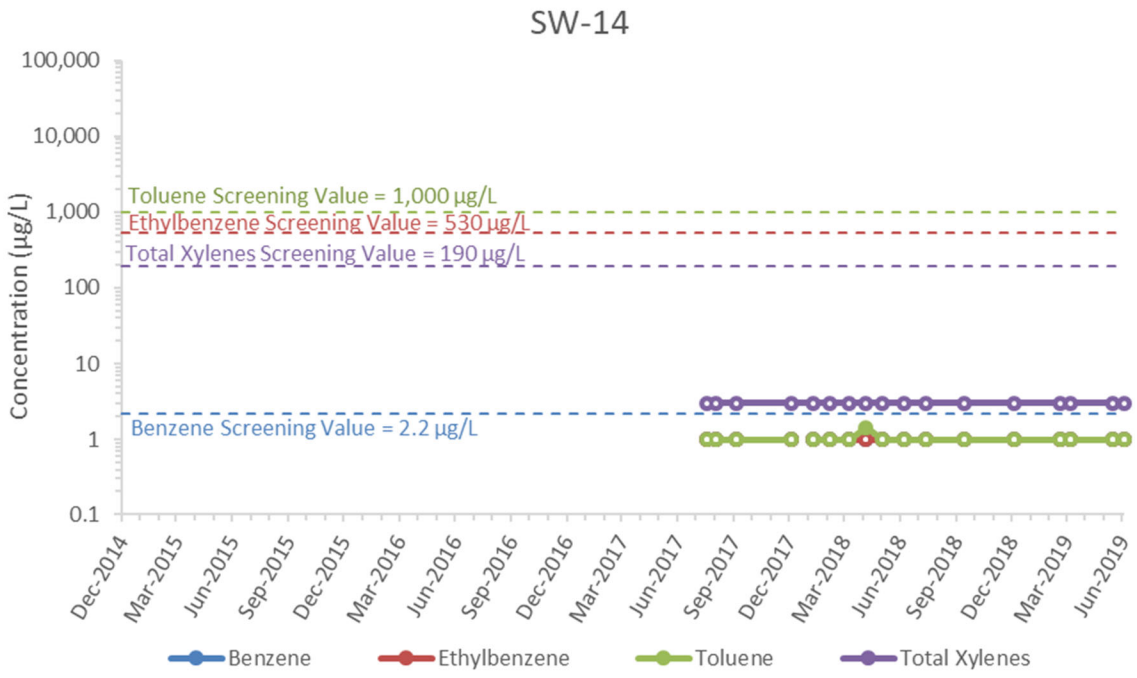
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



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



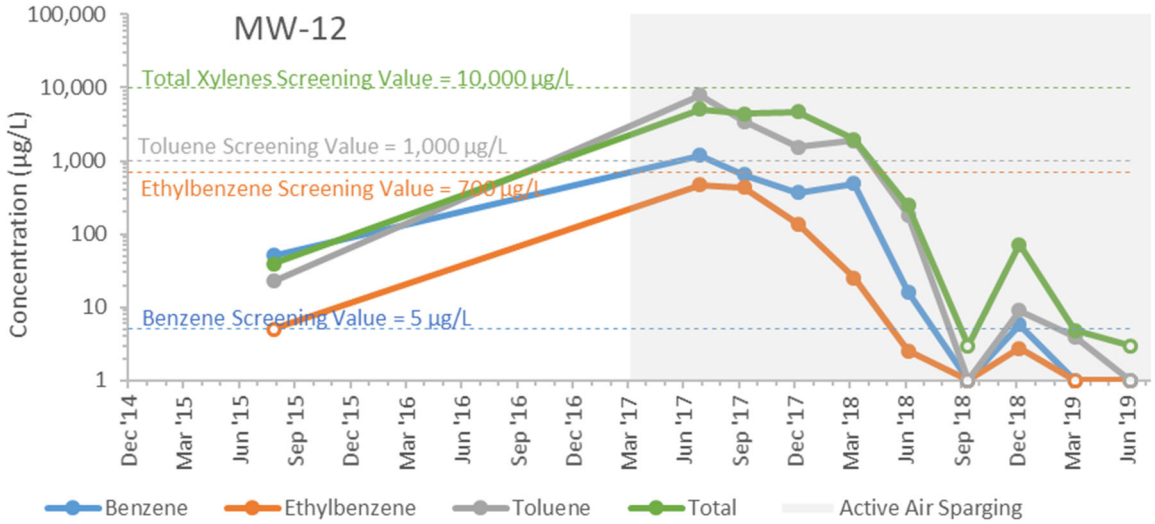
Open circles are drawn at the reporting limit when a compound was not detected in the sample.



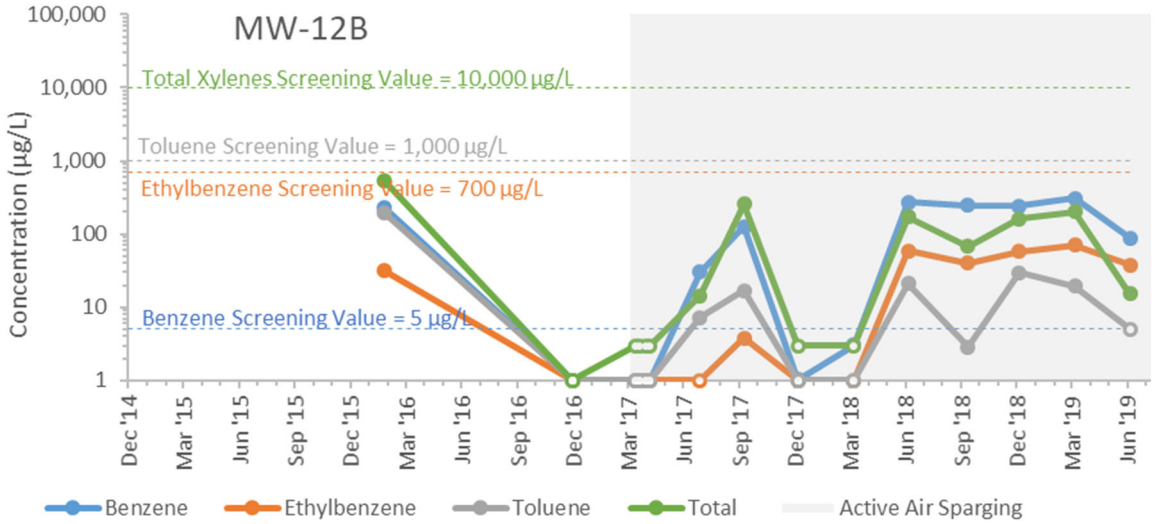
Open circles are drawn at the reporting limit when a compound was not detected in the sample.

Attachment C
Groundwater Analytical Trends

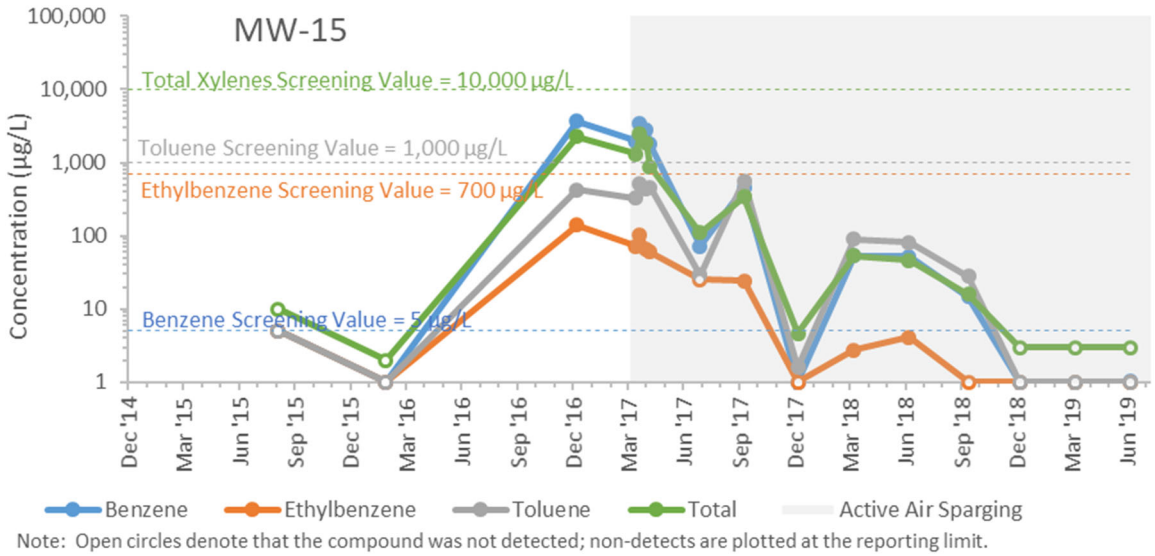
Brown's Creek Monitoring Well Trends



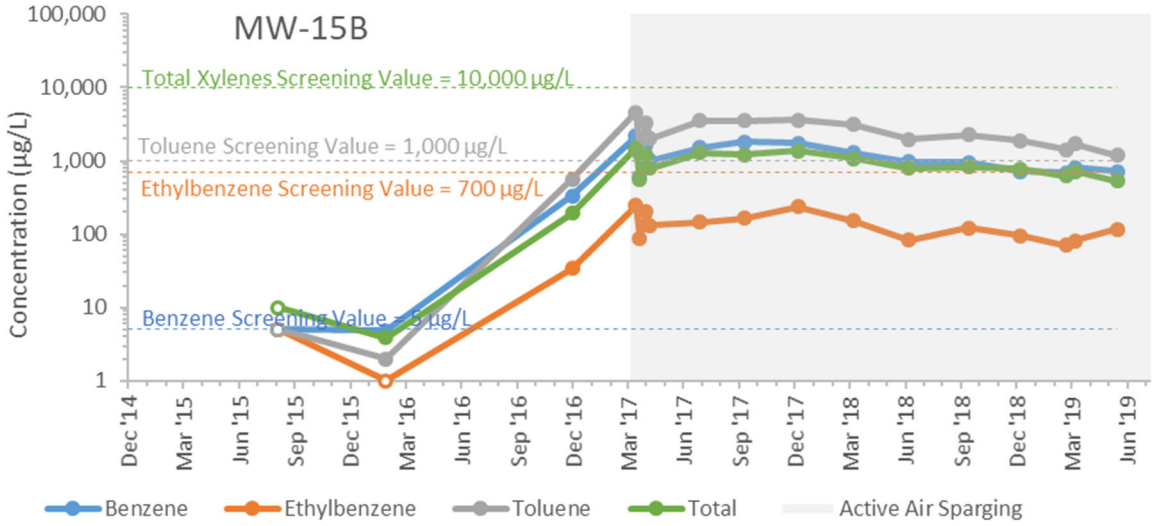
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



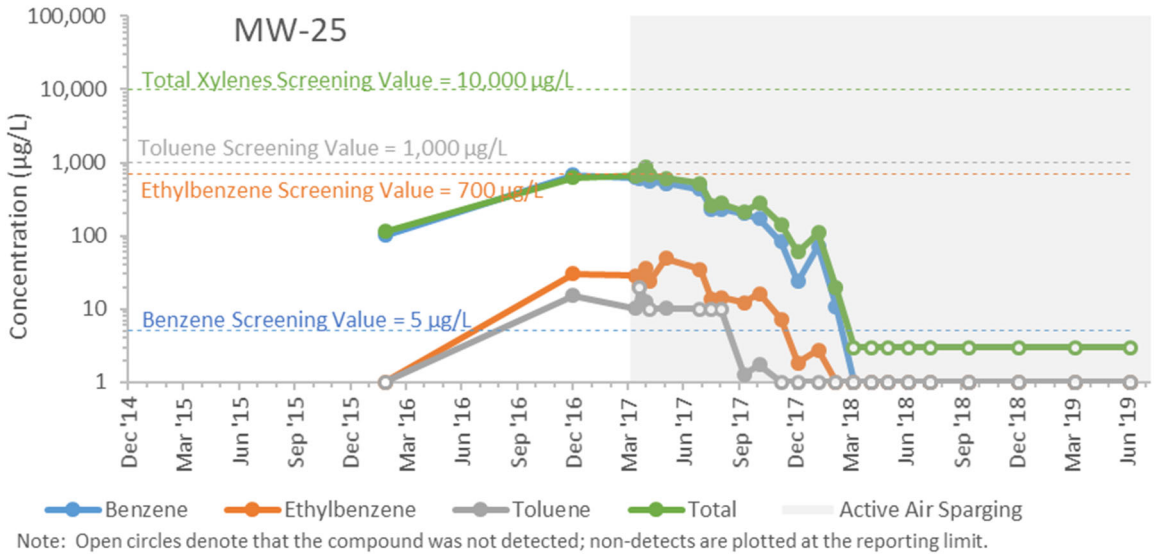
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



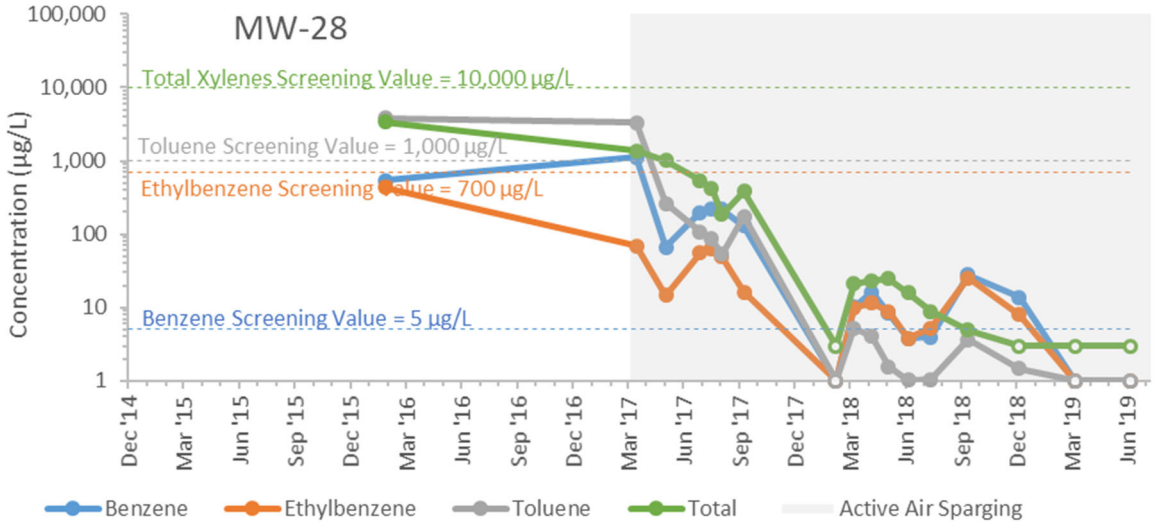
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



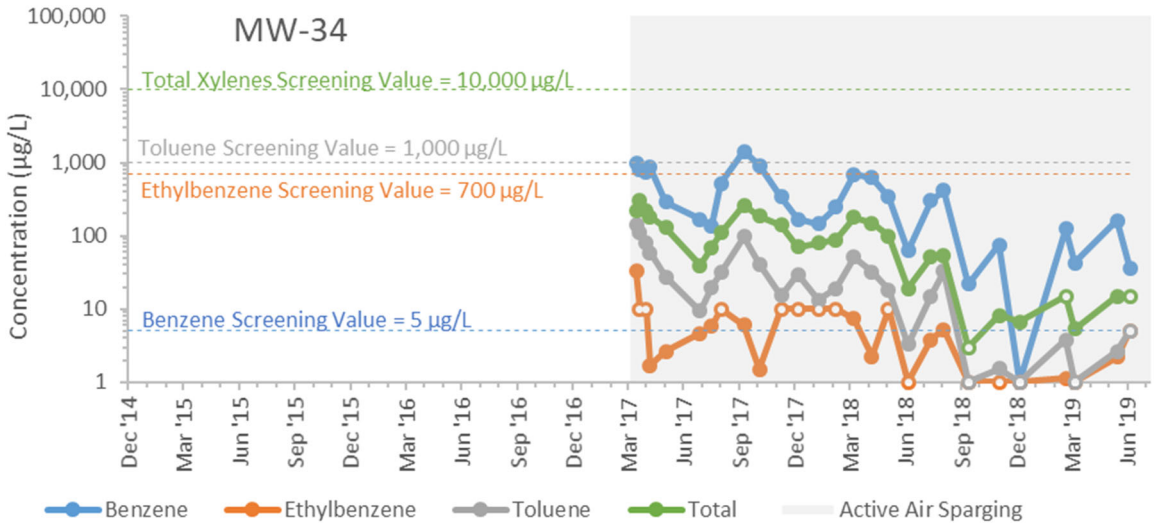
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



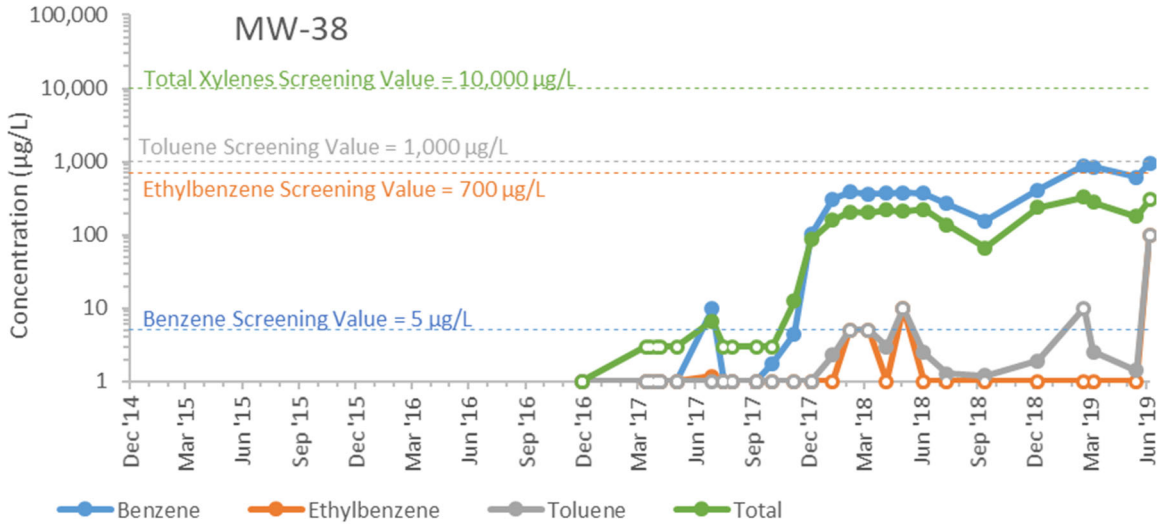
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



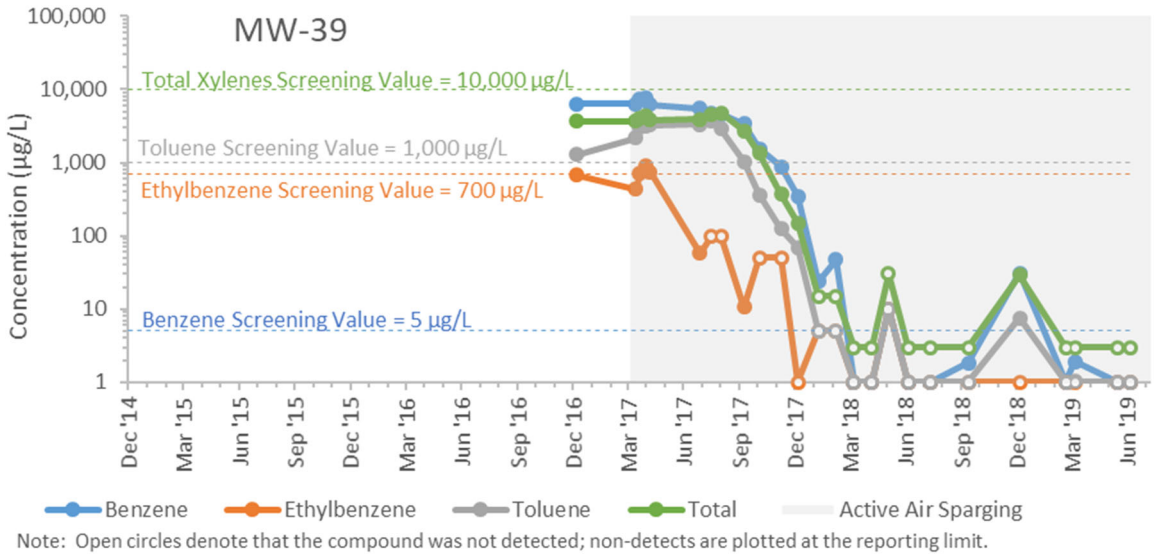
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



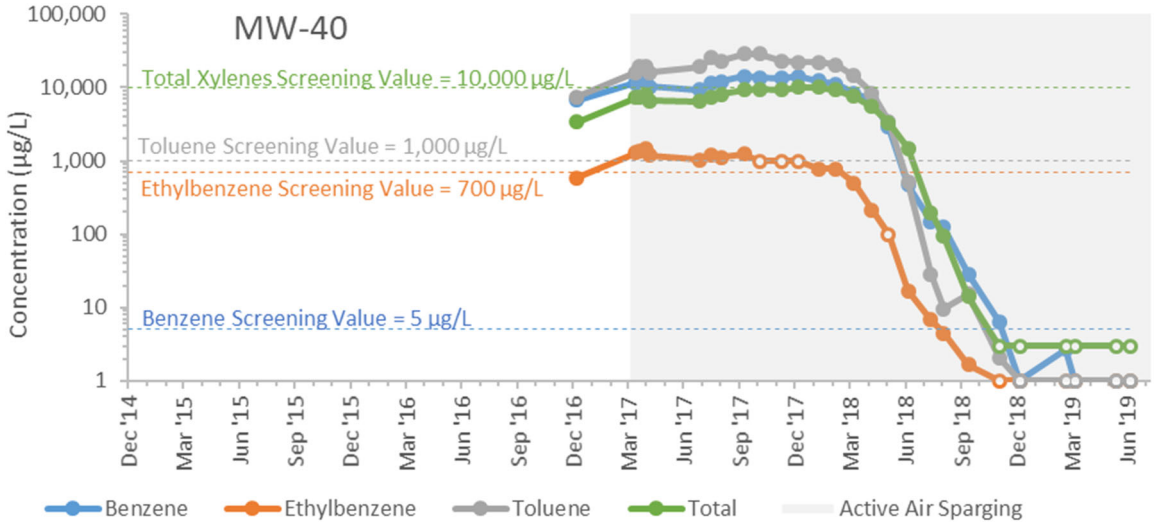
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



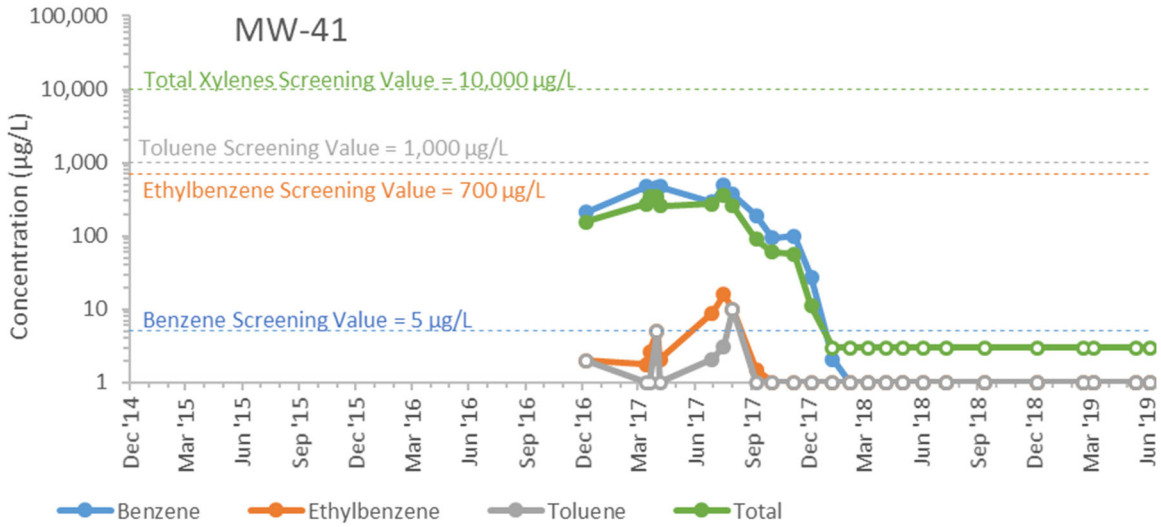
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



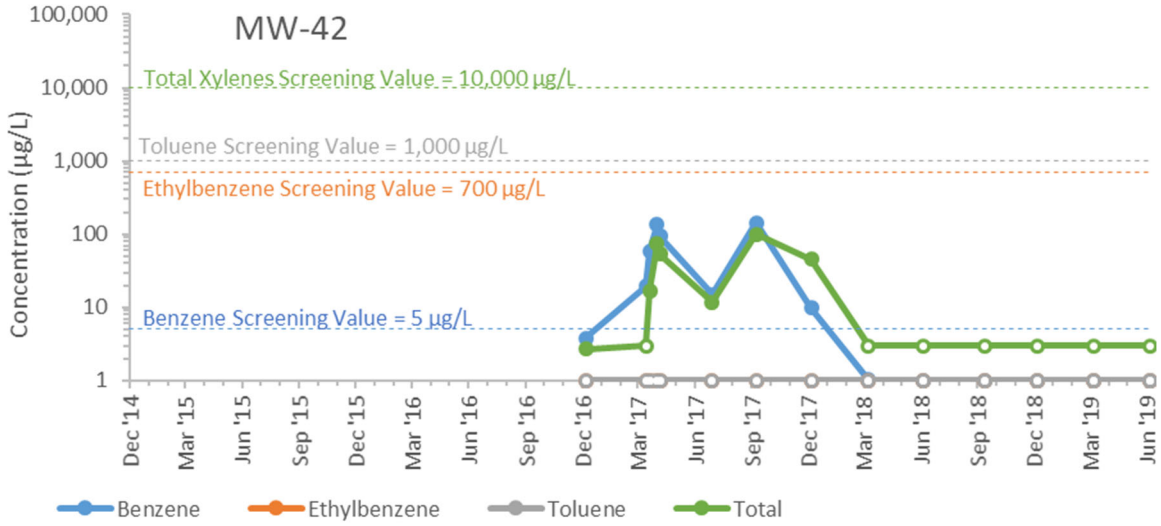
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

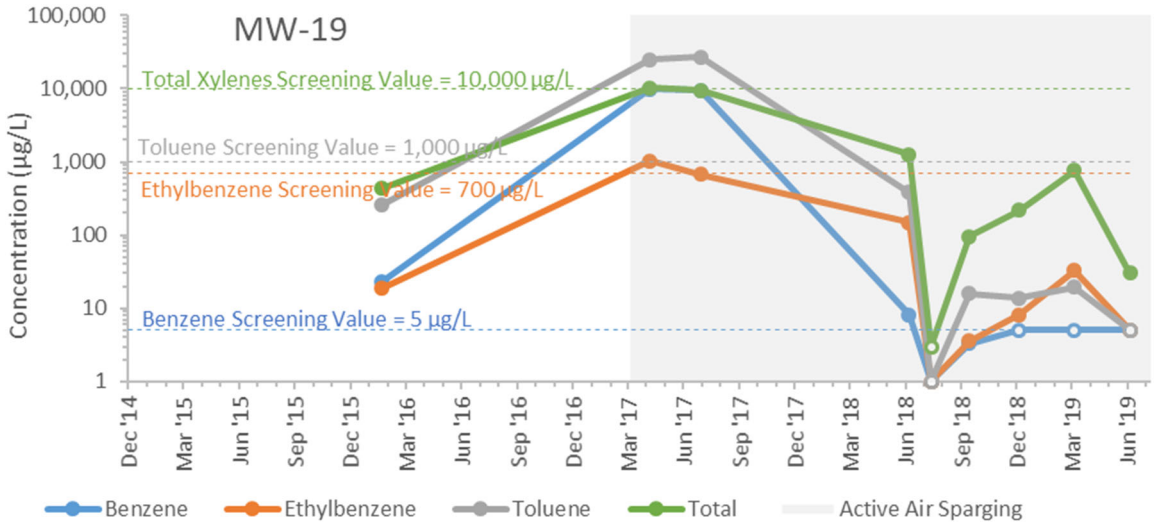


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

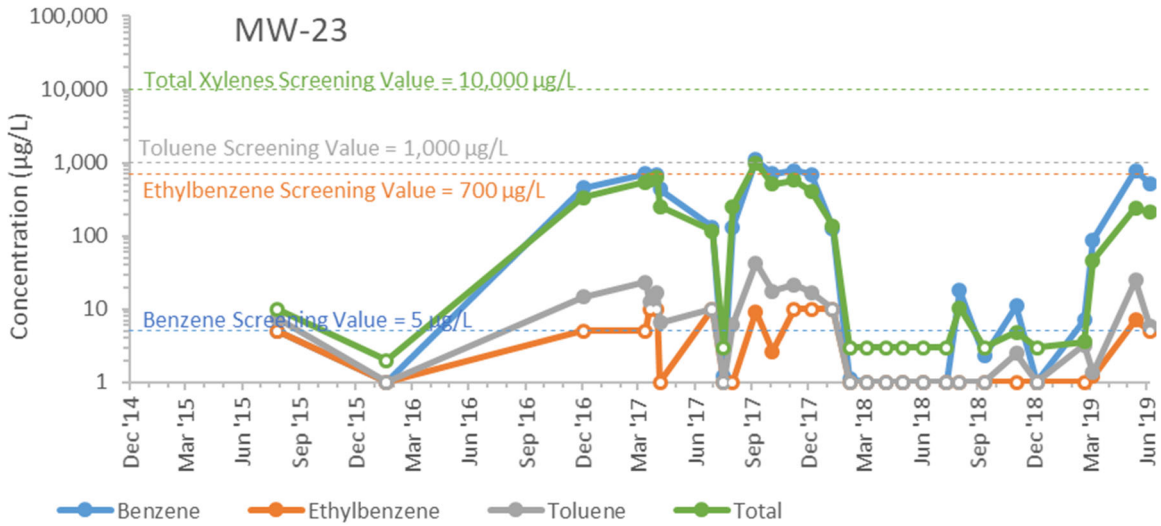


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

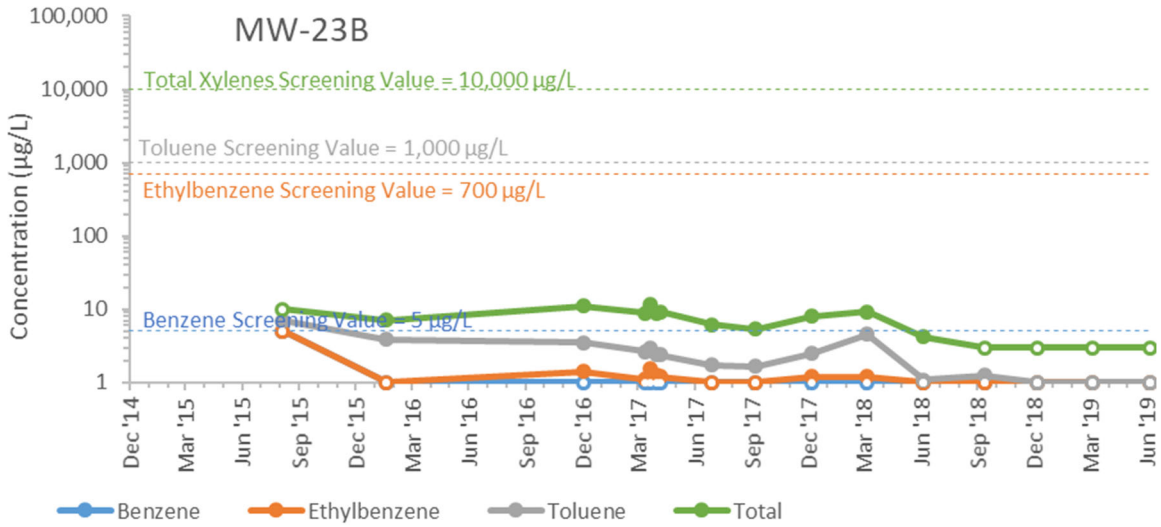
Cupboard Creek Monitoring Well Trends



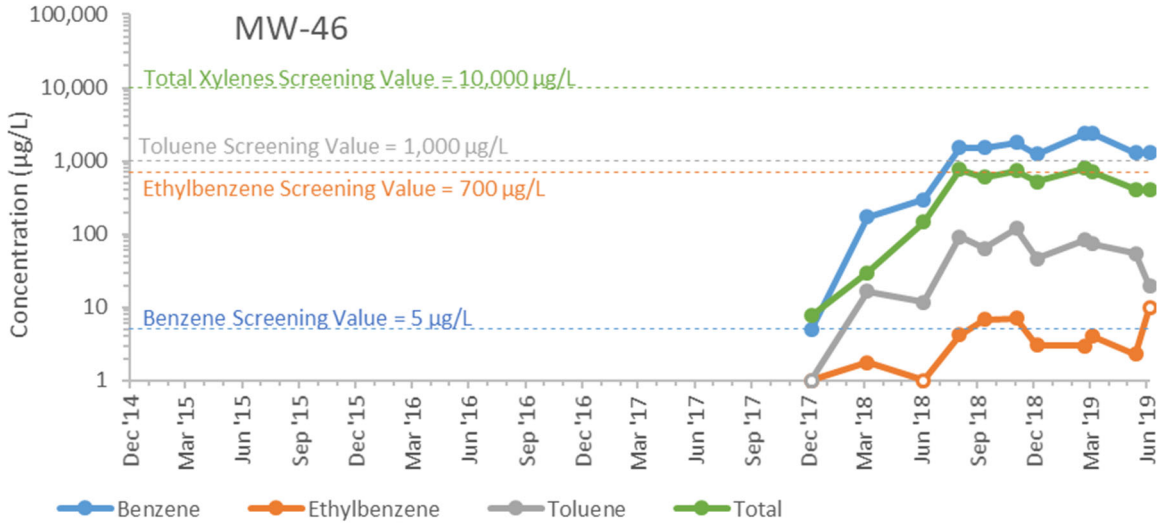
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

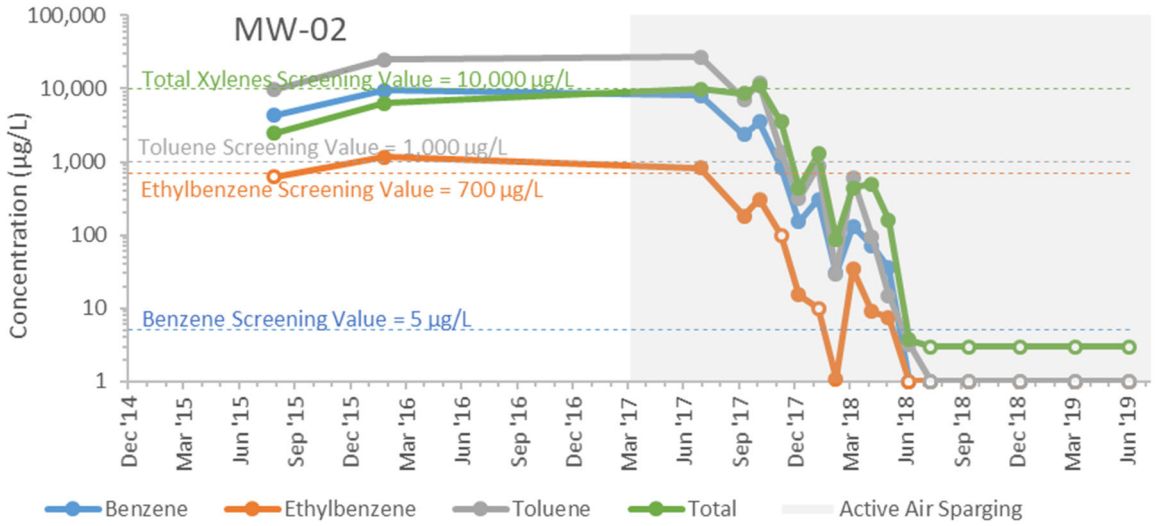


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

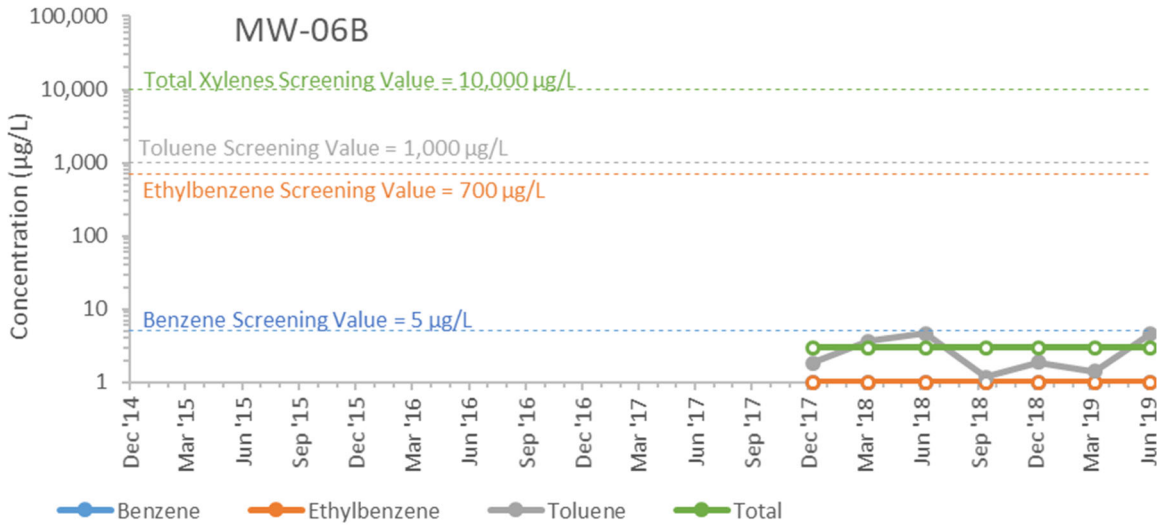


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

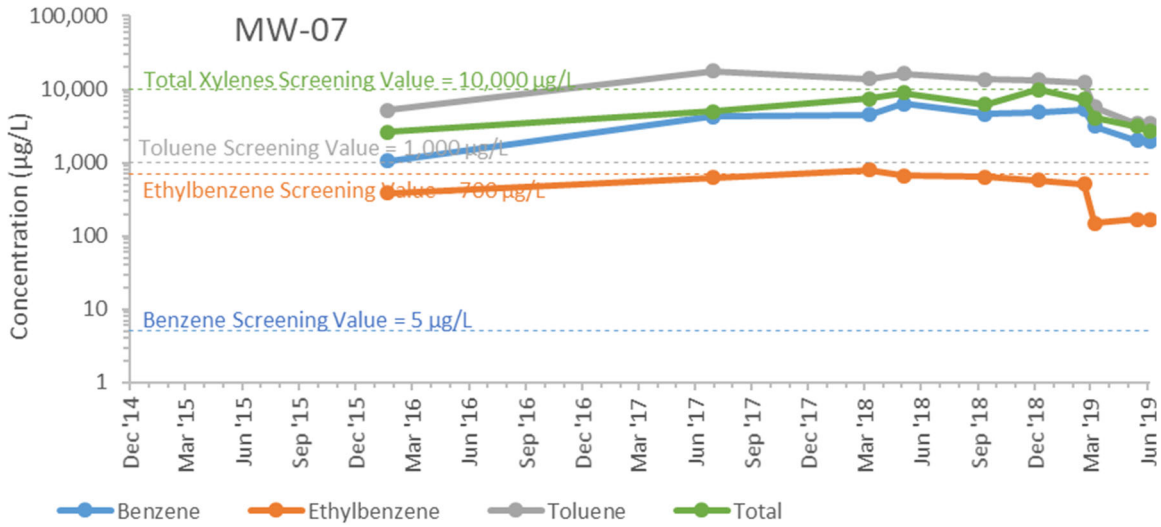
Hayfield Monitoring Well Trends



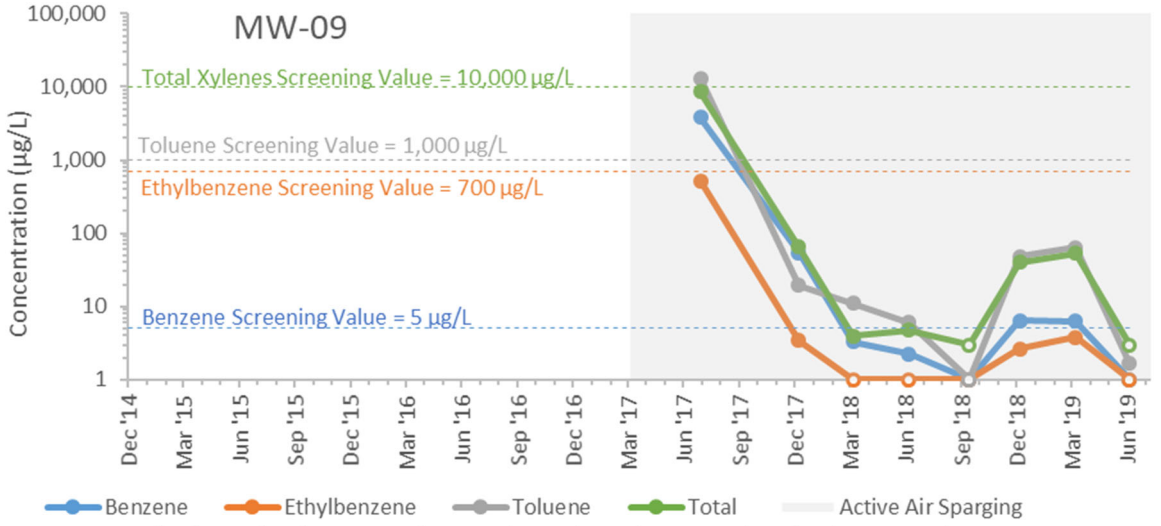
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



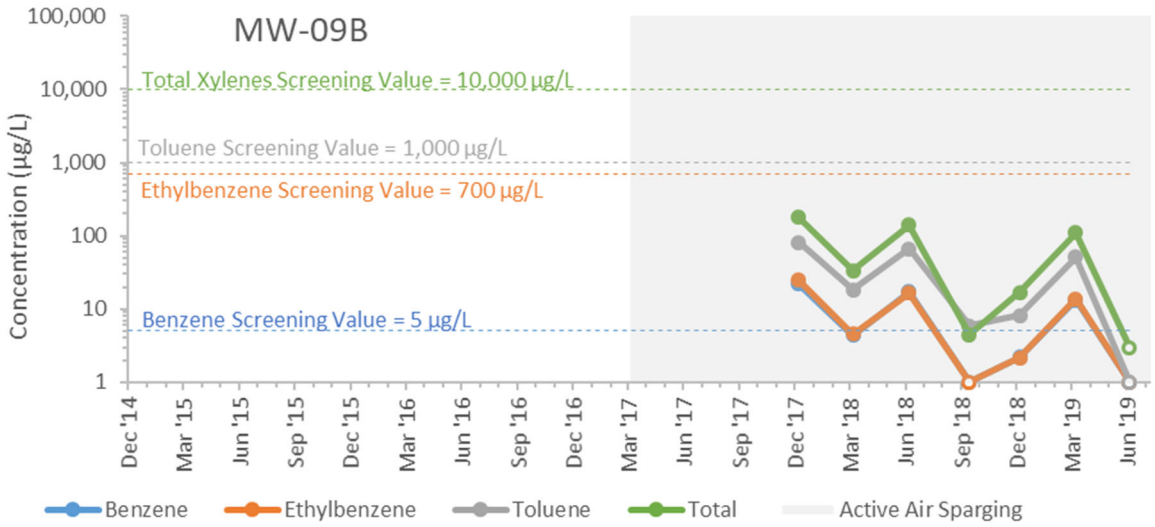
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



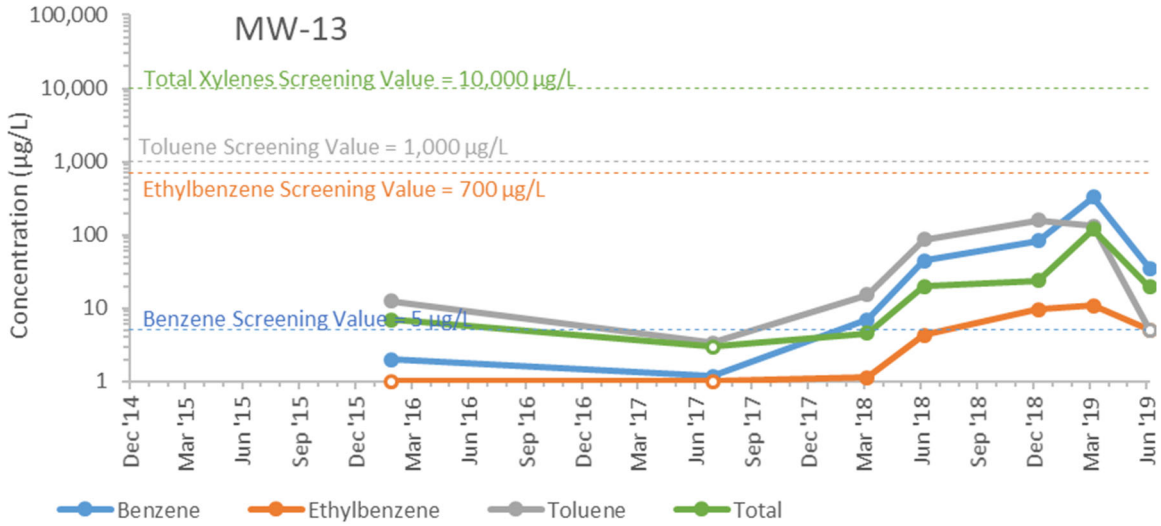
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



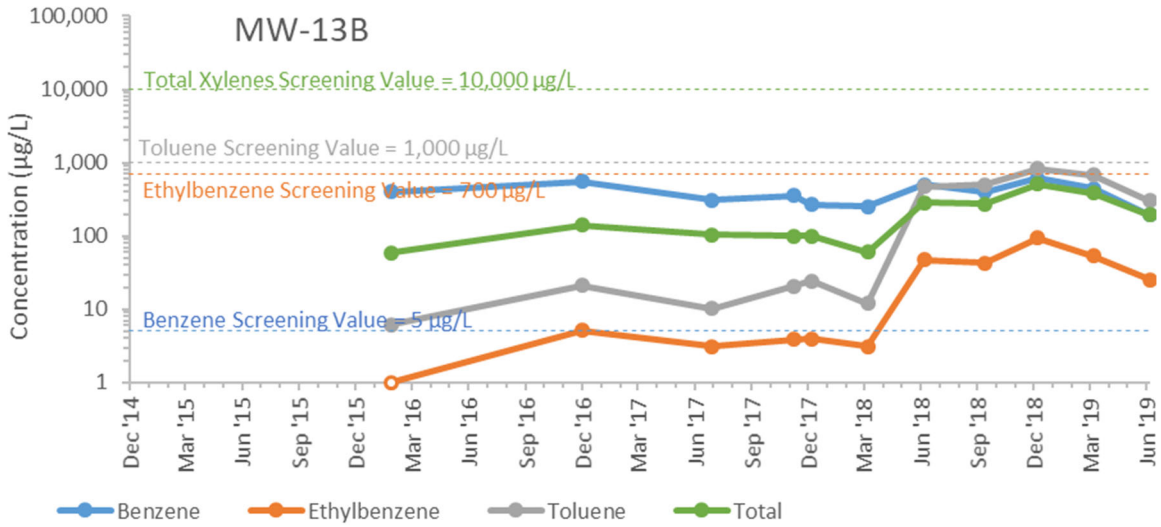
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



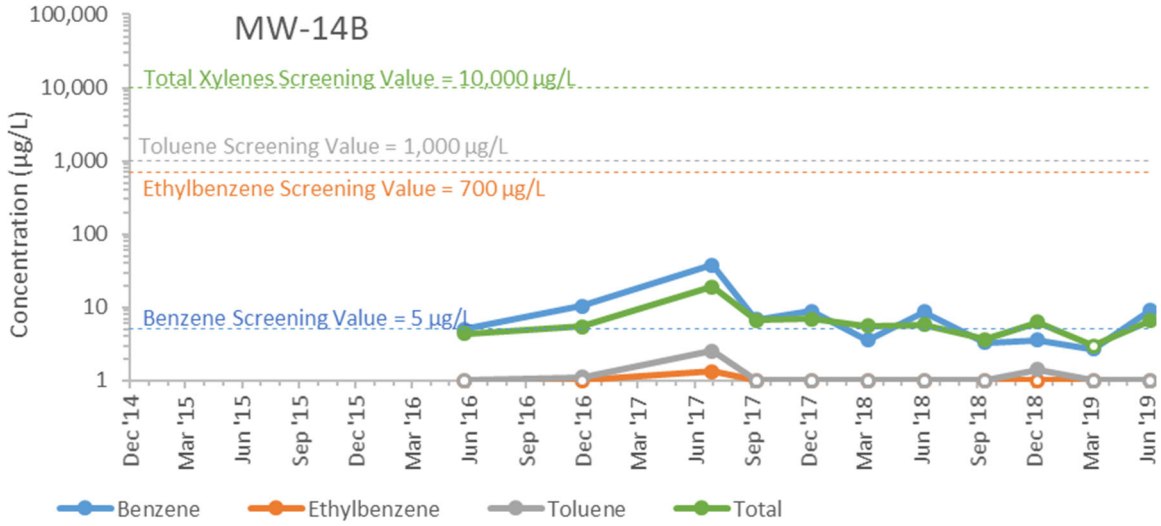
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



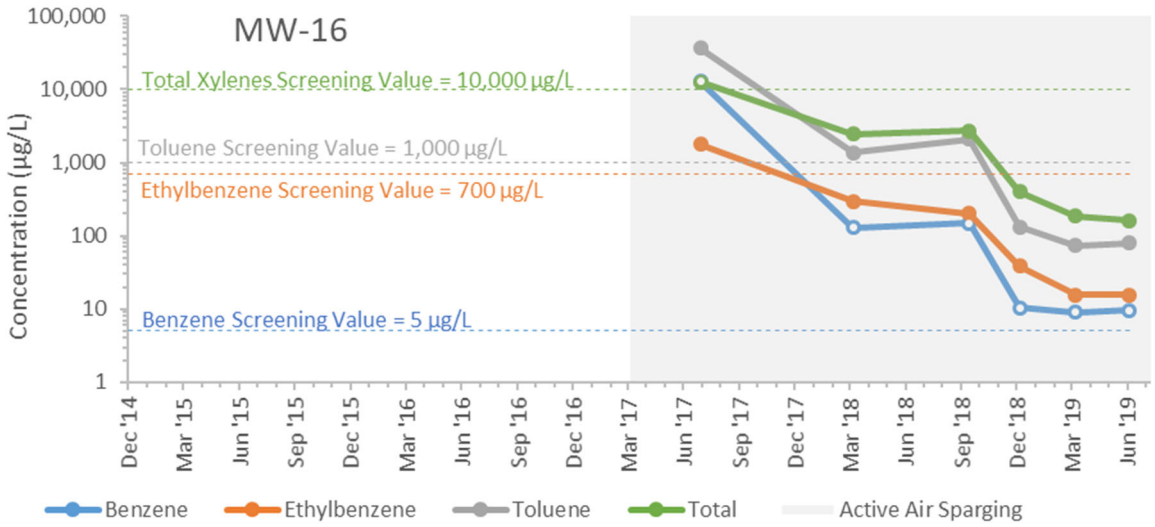
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



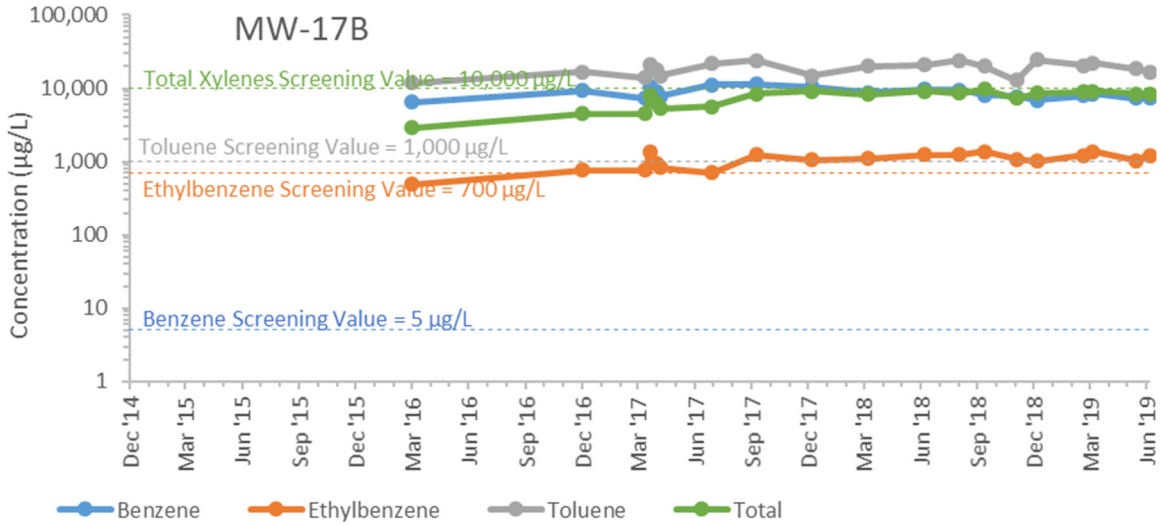
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



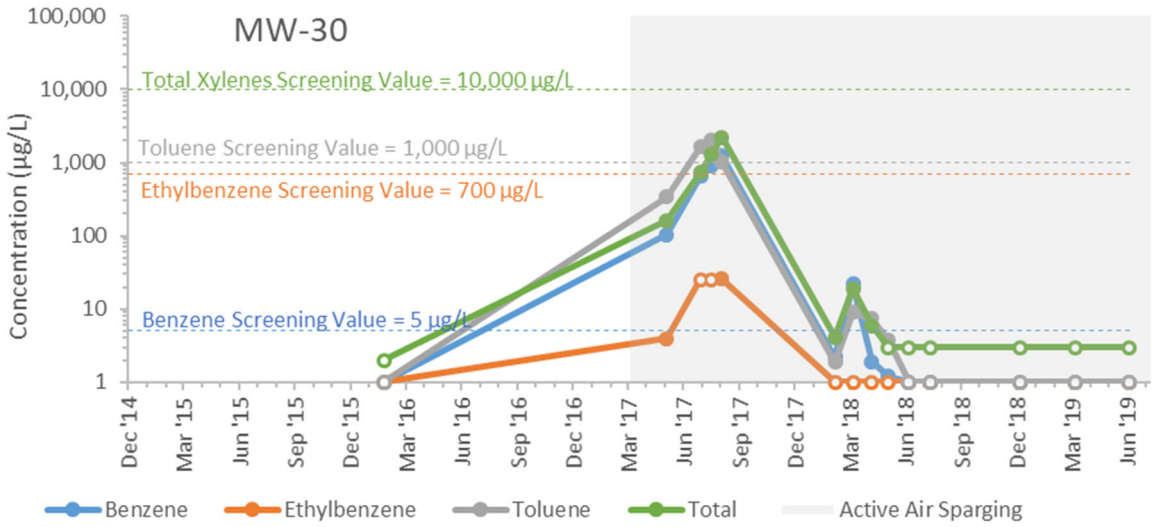
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



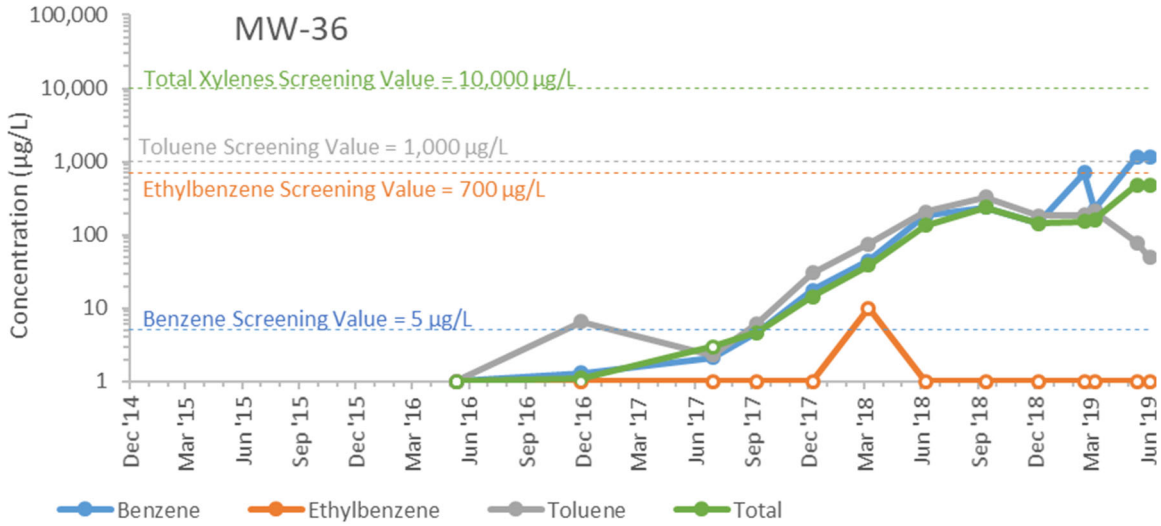
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



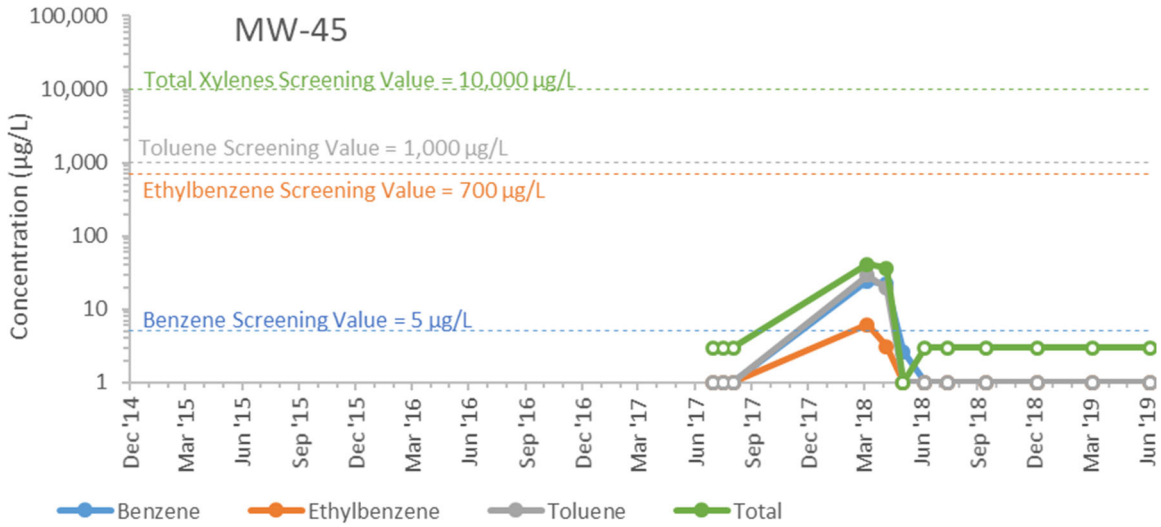
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



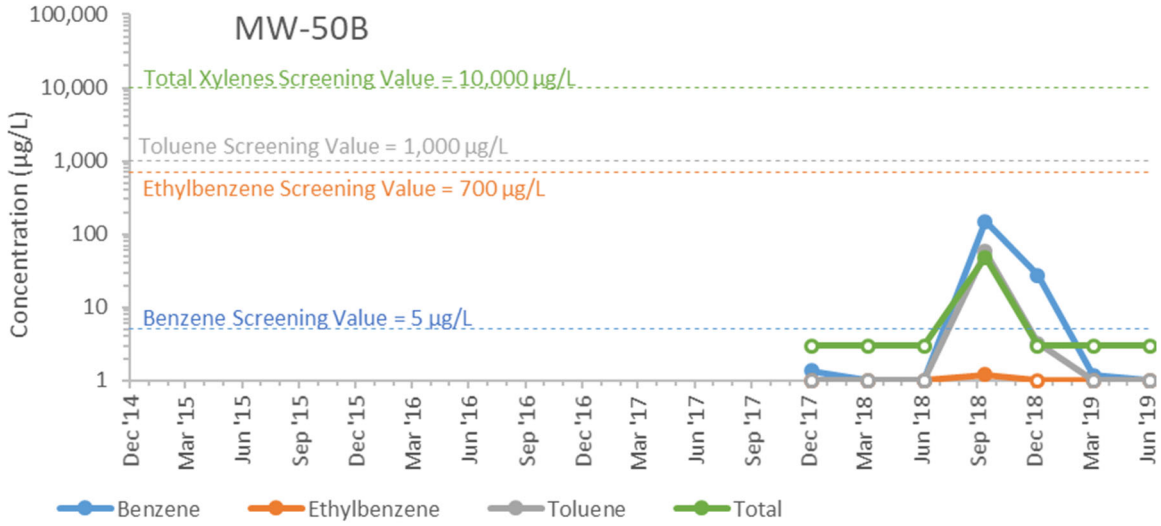
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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

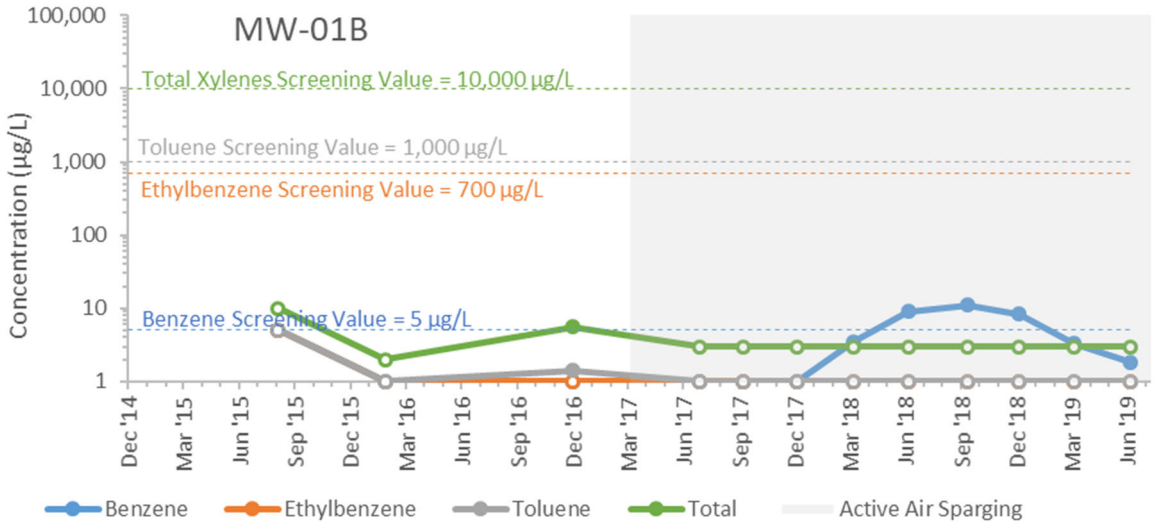


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

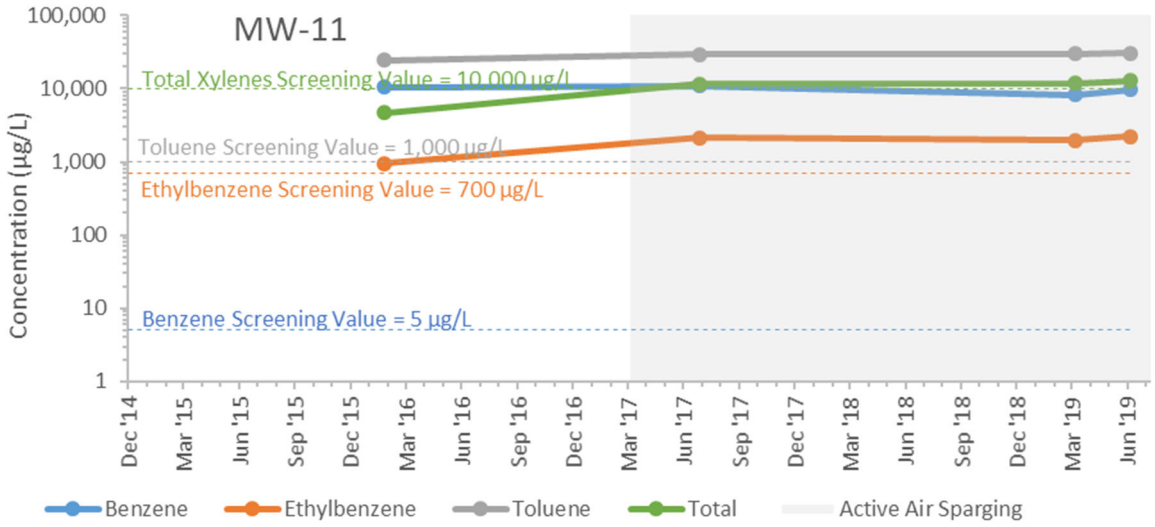


Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.

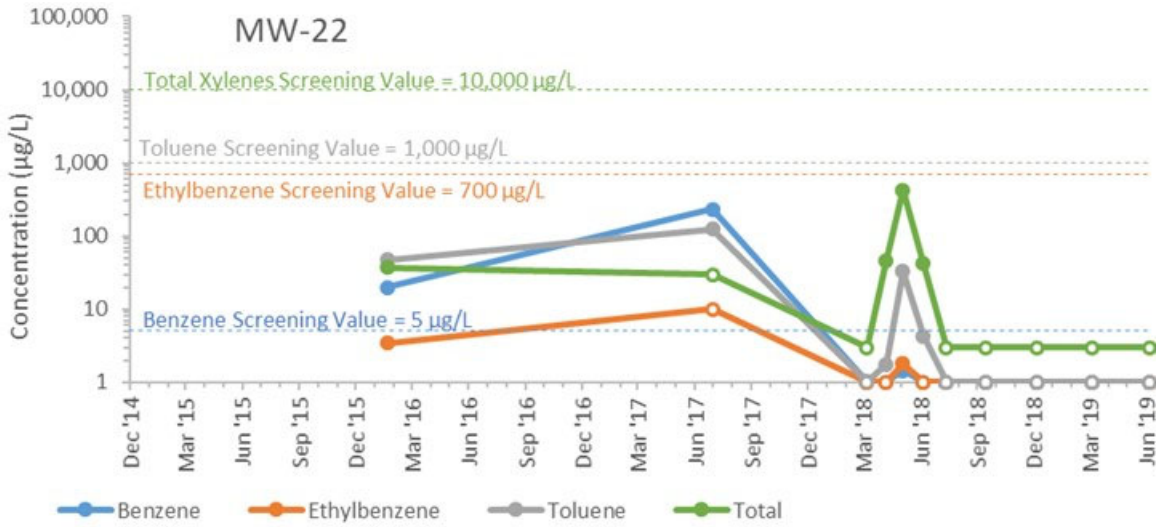
Shallow Bedrock Monitoring Well Trends



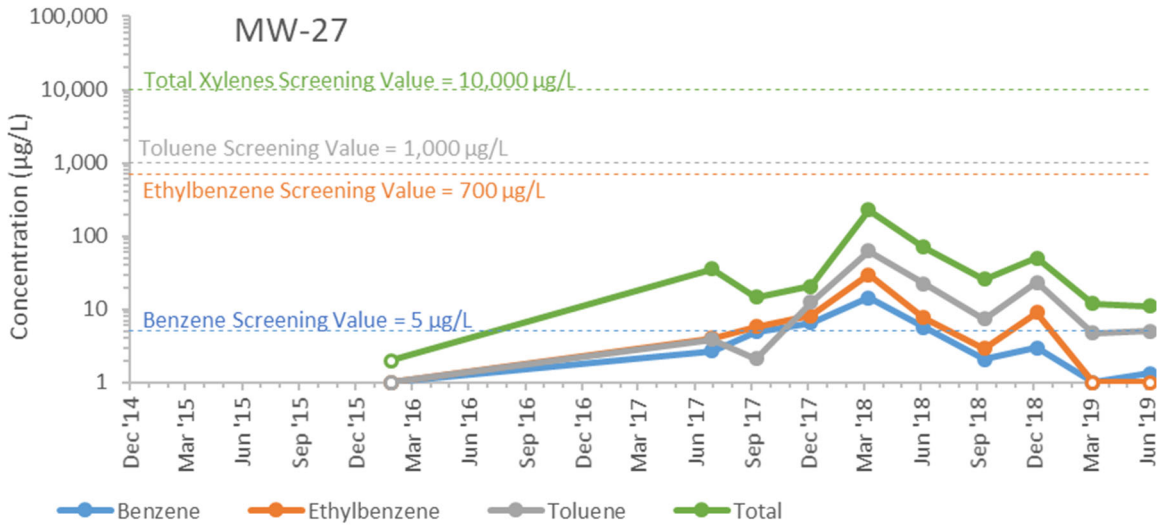
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



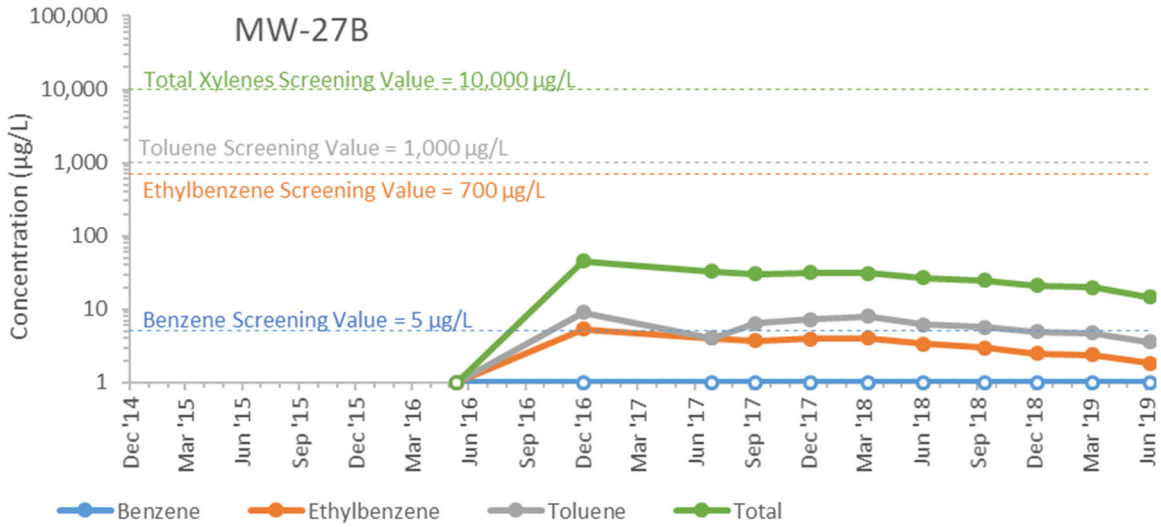
Note: Open circles denote that the compound was not detected; non-detects are plotted at the reporting limit.



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.



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

April 18, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1087755
Samples Received:	04/10/2019
Project Number:	D3161400.B.PN.GRN.GD
Description:	Lewis Drive Groundwater

Report To: Bethany Garvey
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

TABLE OF CONTENTS

MW-55-040919 L1087755-01 GW

Collected by: T. Hall | Collected date/time: 04/09/19 11:20 | Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 09:42	04/12/19 09:42	TJJ	Mt. Juliet, TN

MW-56-040919 L1087755-02 GW

Collected by: T. Hall | Collected date/time: 04/09/19 11:45 | Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 10:03	04/12/19 10:03	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1267143	5	04/16/19 20:07	04/16/19 20:07	ACG	Mt. Juliet, TN

MW-57-040919 L1087755-03 GW

Collected by: T. Hall | Collected date/time: 04/09/19 12:00 | Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 10:24	04/12/19 10:24	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1267143	10	04/16/19 20:26	04/16/19 20:26	ACG	Mt. Juliet, TN

MW-57-D-040919 L1087755-04 GW

Collected by: T. Hall | Collected date/time: 04/09/19 12:05 | Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 10:45	04/12/19 10:45	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1267143	10	04/16/19 20:45	04/16/19 20:45	ACG	Mt. Juliet, TN

FB01-040919 L1087755-05 GW

Collected by: T. Hall | Collected date/time: 04/09/19 13:30 | Received date/time: 04/10/19 08:45

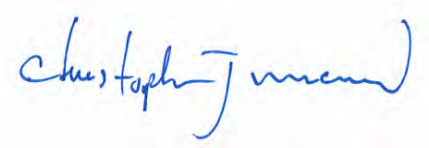
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 11:07	04/12/19 11:07	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1267143	1	04/16/19 21:04	04/16/19 21:04	ACG	Mt. Juliet, TN

TB01-040919 L1087755-07 GW

Collected by: T. Hall | Collected date/time: 04/09/19 13:40 | Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1264777	1	04/12/19 07:33	04/12/19 07:33	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	04/12/2019 09:42	WG1264777
Toluene	ND		1.00	1	04/12/2019 09:42	WG1264777
Ethylbenzene	ND		1.00	1	04/12/2019 09:42	WG1264777
Total Xylenes	ND		3.00	1	04/12/2019 09:42	WG1264777
Methyl tert-butyl ether	ND		1.00	1	04/12/2019 09:42	WG1264777
Naphthalene	ND		5.00	1	04/12/2019 09:42	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 09:42	WG1264777
(S) Toluene-d8	*99.8*		*80.0-120*		*04/12/2019 09:42*	WG1264777
(S) 4-Bromofluorobenzene	*92.9*		*77.0-126*		*04/12/2019 09:42*	WG1264777
(S) 1,2-Dichloroethane-d4	*87.6*		*70.0-130*		*04/12/2019 09:42*	WG1264777

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	209		5.00	5	04/16/2019 20:07	WG1267143
Toluene	2.57		1.00	1	04/12/2019 10:03	WG1264777
Ethylbenzene	ND		1.00	1	04/12/2019 10:03	WG1264777
Total Xylenes	93.9		3.00	1	04/12/2019 10:03	WG1264777
Methyl tert-butyl ether	79.9		1.00	1	04/12/2019 10:03	WG1264777
Naphthalene	ND		5.00	1	04/12/2019 10:03	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 10:03	WG1264777
(S) Toluene-d8	*98.4*		*80.0-120*		*04/12/2019 10:03*	WG1264777
(S) Toluene-d8	*107*		*80.0-120*		*04/16/2019 20:07*	WG1267143
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/12/2019 10:03*	WG1264777
(S) 4-Bromofluorobenzene	*96.0*		*77.0-126*		*04/16/2019 20:07*	WG1267143
(S) 1,2-Dichloroethane-d4	*82.9*		*70.0-130*		*04/12/2019 10:03*	WG1264777
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*04/16/2019 20:07*	WG1267143

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1340		10.0	10	04/16/2019 20:26	WG1267143
Toluene	42.0		1.00	1	04/12/2019 10:24	WG1264777
Ethylbenzene	2.81		1.00	1	04/12/2019 10:24	WG1264777
Total Xylenes	406		30.0	10	04/16/2019 20:26	WG1267143
Methyl tert-butyl ether	198		1.00	1	04/12/2019 10:24	WG1264777
Naphthalene	20.5		5.00	1	04/12/2019 10:24	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 10:24	WG1264777
(S) Toluene-d8	*106*		*80.0-120*		*04/12/2019 10:24*	WG1264777
(S) Toluene-d8	*105*		*80.0-120*		*04/16/2019 20:26*	WG1267143
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*04/12/2019 10:24*	WG1264777
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*		*04/16/2019 20:26*	WG1267143
(S) 1,2-Dichloroethane-d4	*82.4*		*70.0-130*		*04/12/2019 10:24*	WG1264777
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*04/16/2019 20:26*	WG1267143

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1320		10.0	10	04/16/2019 20:45	WG1267143
Toluene	40.0		1.00	1	04/12/2019 10:45	WG1264777
Ethylbenzene	1.90		1.00	1	04/12/2019 10:45	WG1264777
Total Xylenes	419		30.0	10	04/16/2019 20:45	WG1267143
Methyl tert-butyl ether	190		1.00	1	04/12/2019 10:45	WG1264777
Naphthalene	17.8		5.00	1	04/12/2019 10:45	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 10:45	WG1264777
(S) Toluene-d8	*101*		*80.0-120*		*04/12/2019 10:45*	WG1264777
(S) Toluene-d8	*109*		*80.0-120*		*04/16/2019 20:45*	WG1267143
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*04/12/2019 10:45*	WG1264777
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*04/16/2019 20:45*	WG1267143
(S) 1,2-Dichloroethane-d4	*83.0*		*70.0-130*		*04/12/2019 10:45*	WG1264777
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*04/16/2019 20:45*	WG1267143

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	04/16/2019 21:04	WG1267143
Toluene	ND		1.00	1	04/12/2019 11:07	WG1264777
Ethylbenzene	ND		1.00	1	04/12/2019 11:07	WG1264777
Total Xylenes	ND		3.00	1	04/16/2019 21:04	WG1267143
Methyl tert-butyl ether	ND		1.00	1	04/12/2019 11:07	WG1264777
Naphthalene	ND		5.00	1	04/12/2019 11:07	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 11:07	WG1264777
(S) Toluene-d8	*103*		*80.0-120*		*04/12/2019 11:07*	WG1264777
(S) Toluene-d8	*106*		*80.0-120*		*04/16/2019 21:04*	WG1267143
(S) 4-Bromofluorobenzene	*97.4*		*77.0-126*		*04/12/2019 11:07*	WG1264777
(S) 4-Bromofluorobenzene	*95.3*		*77.0-126*		*04/16/2019 21:04*	WG1267143
(S) 1,2-Dichloroethane-d4	*90.2*		*70.0-130*		*04/12/2019 11:07*	WG1264777
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*04/16/2019 21:04*	WG1267143

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	04/12/2019 07:33	WG1264777
Toluene	ND		1.00	1	04/12/2019 07:33	WG1264777
Ethylbenzene	ND		1.00	1	04/12/2019 07:33	WG1264777
Total Xylenes	ND		3.00	1	04/12/2019 07:33	WG1264777
Methyl tert-butyl ether	ND		1.00	1	04/12/2019 07:33	WG1264777
Naphthalene	ND		5.00	1	04/12/2019 07:33	WG1264777
1,2-Dichloroethane	ND		1.00	1	04/12/2019 07:33	WG1264777
(S) Toluene-d8	*97.0*		*80.0-120*		*04/12/2019 07:33*	WG1264777
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*04/12/2019 07:33*	WG1264777
(S) 1,2-Dichloroethane-d4	*97.6*		*70.0-130*		*04/12/2019 07:33*	WG1264777

Method Blank (MB)

(MB) R3402309-3 04/12/19 06:51

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	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3402309-1 04/12/19 05:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	26.1	104	70.0-130	
1,2-Dichloroethane	25.0	22.5	89.9	70.0-130	
Ethylbenzene	25.0	26.1	104	70.0-130	
Methyl tert-butyl ether	25.0	22.7	90.9	70.0-130	
Naphthalene	25.0	24.3	97.1	70.0-130	
Toluene	25.0	25.6	102	70.0-130	
Xylenes, Total	75.0	80.0	107	70.0-130	
(S) Toluene-d8			*86.5*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.1*	*70.0-130*	

Method Blank (MB)

(MB) R3402528-3 04/16/19 19:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.331	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*

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

(LCS) R3402528-1 04/16/19 17:52 • (LCSD) R3402528-2 04/16/19 18:10

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	24.2	24.4	96.7	97.7	70.0-130			1.03	20
Xylenes, Total	75.0	71.7	72.4	95.6	96.5	70.0-130			0.972	20
(S) Toluene-d8				*106*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.7*	*95.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*113*	*108*	*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.

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

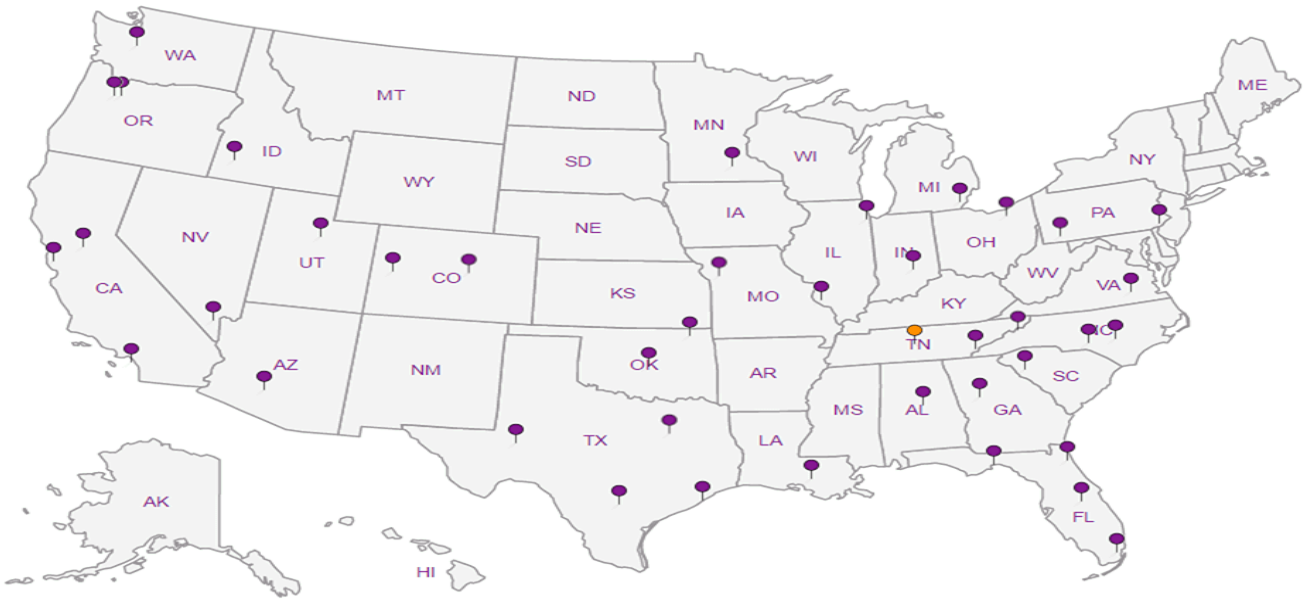
Third Party Federal Accreditations

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 # D3161400.B.PN.GEN.LOOMR.GW

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: STANDARD

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-55-040919	G	GW	20.0	04/09/19	1120	3	X			-01
MW-56-040919	G	GW	11.0		1145	3	X			-02
MW-57-040919	G	GW	8.00		1200	3	X			-03
MW-57-D-040919	G	GW	8.00		1205	3	X		DUP	-04
FB01-040919	G	GW	-		1330	3	X			-05
TB01-040919	G	GW	-		1340	3	X			-06
		GW				1		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

L# 1087755

A248

Acctnum: KINCH2MGA
Template: T148391
Prelogin: P701342
TSR: 526 - Chris McCord
PB: 3/20/19 mc

Shipped Via: FedEX Standard

* 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 # 4876 1095 8258

Trip Blank Received: (Yes) / No
1 (HCl) / MeoH TBR

Temp: 2.0-1=1.9 °C Bottles Received: 18

Date: 4-10-19 Time: 8:45

Received for lab by: (Signature)

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

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	04-0919	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 28, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1099507
Samples Received:	05/16/2019
Project Number:	D3161400
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

MW-17B-051419 L1099507-01 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 10:15 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	25	05/23/19 22:36	05/23/19 22:36	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1286176	250	05/24/19 18:09	05/24/19 18:09	BMB	Mt. Juliet, TN

MW-46-051419 L1099507-02 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 11:25 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/17/19 22:49	05/17/19 22:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	25	05/23/19 22:57	05/23/19 22:57	JAH	Mt. Juliet, TN

MW-23-051419 L1099507-03 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 12:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/17/19 23:09	05/17/19 23:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	10	05/23/19 23:17	05/23/19 23:17	JAH	Mt. Juliet, TN

MW-23-D-051419 L1099507-04 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 12:35 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/17/19 23:29	05/17/19 23:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	10	05/23/19 23:37	05/23/19 23:37	JAH	Mt. Juliet, TN

MW-40-051419 L1099507-05 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 16:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/17/19 23:49	05/17/19 23:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1286176	1	05/24/19 18:29	05/24/19 18:29	BMB	Mt. Juliet, TN

MW-54-051519 L1099507-06 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 09:20 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 00:09	05/18/19 00:09	JHH	Mt. Juliet, TN

MW-53-051519 L1099507-07 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 09:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 00:29	05/18/19 00:29	JHH	Mt. Juliet, TN

MW-07-051519 L1099507-08 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 09:45 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 00:49	05/18/19 00:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	50	05/24/19 00:18	05/24/19 00:18	JAH	Mt. Juliet, TN

MW-55-051519 L1099507-09 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 10:10 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 01:10	05/18/19 01:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	1	05/24/19 00:39	05/24/19 00:39	JAH	Mt. Juliet, TN

MW-36-051519 L1099507-10 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 10:20 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	5	05/18/19 04:31	05/18/19 04:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1286827	20	05/26/19 13:29	05/26/19 13:29	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1286827	5	05/26/19 10:50	05/26/19 10:50	JAH	Mt. Juliet, TN

MW-36-D-051519 L1099507-11 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 10:25 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 01:30	05/18/19 01:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	25	05/24/19 01:19	05/24/19 01:19	JAH	Mt. Juliet, TN

MW-20-051519 L1099507-12 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 11:05 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	100	05/18/19 04:51	05/18/19 04:51	JHH	Mt. Juliet, TN

MW-56-051519 L1099507-13 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 11:20 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 01:50	05/18/19 01:50	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	10	05/24/19 01:40	05/24/19 01:40	JAH	Mt. Juliet, TN

MW-57-051519 L1099507-14 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 11:25 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 02:10	05/18/19 02:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	10	05/24/19 02:00	05/24/19 02:00	JAH	Mt. Juliet, TN

MW-57-D-051519 L1099507-15 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 11:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 02:30	05/18/19 02:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	25	05/24/19 02:20	05/24/19 02:20	JAH	Mt. Juliet, TN

MW-26-051519 L1099507-16 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 11:40 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 02:50	05/18/19 02:50	JHH	Mt. Juliet, TN

MW-51-051519 L1099507-17 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 03:10	05/18/19 03:10	JHH	Mt. Juliet, TN

MW-52-051519 L1099507-18 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:10 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 03:31	05/18/19 03:31	JHH	Mt. Juliet, TN

MW-15B-051519 L1099507-19 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:25 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 03:51	05/18/19 03:51	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1285663	25	05/24/19 02:41	05/24/19 02:41	JAH	Mt. Juliet, TN

MW-39-051519 L1099507-20 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:40 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283097	1	05/18/19 04:11	05/18/19 04:11	JHH	Mt. Juliet, TN

MW-34-051519 L1099507-21 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:50 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 07:52	05/18/19 07:52	JHH	Mt. Juliet, TN

MW-41-051519 L1099507-22 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 14:55 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 08:12	05/18/19 08:12	JHH	Mt. Juliet, TN

MW-41-D-051519 L1099507-23 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 15:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 08:32	05/18/19 08:32	JHH	Mt. Juliet, TN

MW-37-051519 L1099507-24 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 15:20 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 08:52	05/18/19 08:52	JHH	Mt. Juliet, TN

MW-38-051519 L1099507-25 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 15:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 09:12	05/18/19 09:12	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283926	10	05/20/19 20:18	05/20/19 20:18	BMB	Mt. Juliet, TN

TB01-051519 L1099507-26 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 00:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 06:51	05/18/19 06:51	JHH	Mt. Juliet, TN

FB02-051519 L1099507-27 GW

Collected by: Tyler L. Hall | Collected date/time: 05/15/19 16:00 | Received date/time: 05/16/19 08:45

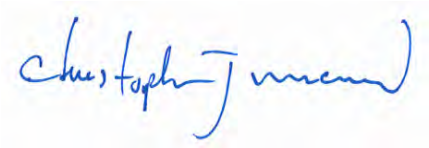
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 07:11	05/18/19 07:11	JHH	Mt. Juliet, TN

FB01-051419 L1099507-28 GW

Collected by: Tyler L. Hall | Collected date/time: 05/14/19 17:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 07:31	05/18/19 07:31	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	7320		250	250	05/24/2019 18:09	WG1286176
Toluene	18500		250	250	05/24/2019 18:09	WG1286176
Ethylbenzene	1070		25.0	25	05/23/2019 22:36	WG1285663
Total Xylenes	8370		750	250	05/24/2019 18:09	WG1286176
Methyl tert-butyl ether	256		25.0	25	05/23/2019 22:36	WG1285663
Naphthalene	201		125	25	05/23/2019 22:36	WG1285663
1,2-Dichloroethane	ND		25.0	25	05/23/2019 22:36	WG1285663
(S) Toluene-d8	*113*		*80.0-120*		*05/23/2019 22:36*	WG1285663
(S) Toluene-d8	*108*		*80.0-120*		*05/24/2019 18:09*	WG1286176
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/23/2019 22:36*	WG1285663
(S) 4-Bromofluorobenzene	*97.3*		*77.0-126*		*05/24/2019 18:09*	WG1286176
(S) 1,2-Dichloroethane-d4	*91.8*		*70.0-130*		*05/23/2019 22:36*	WG1285663
(S) 1,2-Dichloroethane-d4	*94.7*		*70.0-130*		*05/24/2019 18:09*	WG1286176

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1300		25.0	25	05/23/2019 22:57	WG1285663
Toluene	54.8		1.00	1	05/17/2019 22:49	WG1283097
Ethylbenzene	2.27		1.00	1	05/17/2019 22:49	WG1283097
Total Xylenes	412		75.0	25	05/23/2019 22:57	WG1285663
Methyl tert-butyl ether	174		25.0	25	05/23/2019 22:57	WG1285663
Naphthalene	28.9		5.00	1	05/17/2019 22:49	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/17/2019 22:49	WG1283097
(S) Toluene-d8	*97.2*		*80.0-120*		*05/17/2019 22:49*	WG1283097
(S) Toluene-d8	*104*		*80.0-120*		*05/23/2019 22:57*	WG1285663
(S) 4-Bromofluorobenzene	*97.1*		*77.0-126*		*05/17/2019 22:49*	WG1283097
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*05/23/2019 22:57*	WG1285663
(S) 1,2-Dichloroethane-d4	*88.8*		*70.0-130*		*05/17/2019 22:49*	WG1283097
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*05/23/2019 22:57*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	412		10.0	10	05/23/2019 23:17	WG1285663
Toluene	20.7		1.00	1	05/17/2019 23:09	WG1283097
Ethylbenzene	5.37		1.00	1	05/17/2019 23:09	WG1283097
Total Xylenes	190		3.00	1	05/17/2019 23:09	WG1283097
Methyl tert-butyl ether	28.0		1.00	1	05/17/2019 23:09	WG1283097
Naphthalene	10.9		5.00	1	05/17/2019 23:09	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/17/2019 23:09	WG1283097
(S) Toluene-d8	*99.3*		*80.0-120*		*05/17/2019 23:09*	WG1283097
(S) Toluene-d8	*103*		*80.0-120*		*05/23/2019 23:17*	WG1285663
(S) 4-Bromofluorobenzene	*98.9*		*77.0-126*		*05/17/2019 23:09*	WG1283097
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/23/2019 23:17*	WG1285663
(S) 1,2-Dichloroethane-d4	*89.5*		*70.0-130*		*05/17/2019 23:09*	WG1283097
(S) 1,2-Dichloroethane-d4	*94.6*		*70.0-130*		*05/23/2019 23:17*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	779		10.0	10	05/23/2019 23:37	WG1285663
Toluene	25.0		1.00	1	05/17/2019 23:29	WG1283097
Ethylbenzene	7.09		1.00	1	05/17/2019 23:29	WG1283097
Total Xylenes	242		3.00	1	05/17/2019 23:29	WG1283097
Methyl tert-butyl ether	34.4		1.00	1	05/17/2019 23:29	WG1283097
Naphthalene	12.5		5.00	1	05/17/2019 23:29	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/17/2019 23:29	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/17/2019 23:29*	WG1283097
(S) Toluene-d8	*106*		*80.0-120*		*05/23/2019 23:37*	WG1285663
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/17/2019 23:29*	WG1283097
(S) 4-Bromofluorobenzene	*98.9*		*77.0-126*		*05/23/2019 23:37*	WG1285663
(S) 1,2-Dichloroethane-d4	*92.3*		*70.0-130*		*05/17/2019 23:29*	WG1283097
(S) 1,2-Dichloroethane-d4	*98.1*		*70.0-130*		*05/23/2019 23:37*	WG1285663

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	05/24/2019 18:29	WG1286176
Toluene	ND		1.00	1	05/17/2019 23:49	WG1283097
Ethylbenzene	ND		1.00	1	05/17/2019 23:49	WG1283097
Total Xylenes	ND		3.00	1	05/17/2019 23:49	WG1283097
Methyl tert-butyl ether	2.12		1.00	1	05/17/2019 23:49	WG1283097
Naphthalene	ND		5.00	1	05/17/2019 23:49	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/17/2019 23:49	WG1283097
(S) Toluene-d8	*98.8*		*80.0-120*		*05/17/2019 23:49*	WG1283097
(S) Toluene-d8	*109*		*80.0-120*		*05/24/2019 18:29*	WG1286176
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/17/2019 23:49*	WG1283097
(S) 4-Bromofluorobenzene	*98.5*		*77.0-126*		*05/24/2019 18:29*	WG1286176
(S) 1,2-Dichloroethane-d4	*92.9*		*70.0-130*		*05/17/2019 23:49*	WG1283097
(S) 1,2-Dichloroethane-d4	*96.8*		*70.0-130*		*05/24/2019 18:29*	WG1286176

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	05/18/2019 00:09	WG1283097
Toluene	ND		1.00	1	05/18/2019 00:09	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 00:09	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 00:09	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 00:09	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 00:09	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 00:09	WG1283097
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 00:09*	WG1283097
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 00:09*	WG1283097
(S) 1,2-Dichloroethane-d4	*94.5*		*70.0-130*		*05/18/2019 00:09*	WG1283097

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	05/18/2019 00:29	WG1283097
Toluene	ND		1.00	1	05/18/2019 00:29	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 00:29	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 00:29	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 00:29	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 00:29	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 00:29	WG1283097
(S) Toluene-d8	*100*		*80.0-120*		*05/18/2019 00:29*	WG1283097
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/18/2019 00:29*	WG1283097
(S) 1,2-Dichloroethane-d4	*90.9*		*70.0-130*		*05/18/2019 00:29*	WG1283097

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2030		50.0	50	05/24/2019 00:18	WG1285663
Toluene	3440		50.0	50	05/24/2019 00:18	WG1285663
Ethylbenzene	169		1.00	1	05/18/2019 00:49	WG1283097
Total Xylenes	3110		150	50	05/24/2019 00:18	WG1285663
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 00:49	WG1283097
Naphthalene	9.44		5.00	1	05/18/2019 00:49	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 00:49	WG1283097
(S) Toluene-d8	*84.5*		*80.0-120*		*05/18/2019 00:49*	WG1283097
(S) Toluene-d8	*105*		*80.0-120*		*05/24/2019 00:18*	WG1285663
(S) 4-Bromofluorobenzene	*91.9*		*77.0-126*		*05/18/2019 00:49*	WG1283097
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/24/2019 00:18*	WG1285663
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*05/18/2019 00:49*	WG1283097
(S) 1,2-Dichloroethane-d4	*89.4*		*70.0-130*		*05/24/2019 00:18*	WG1285663

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	05/18/2019 01:10	WG1283097
Toluene	ND		1.00	1	05/24/2019 00:39	WG1285663
Ethylbenzene	ND		1.00	1	05/18/2019 01:10	WG1283097
Total Xylenes	ND		3.00	1	05/24/2019 00:39	WG1285663
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 01:10	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 01:10	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 01:10	WG1283097
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 01:10*	WG1283097
(S) Toluene-d8	*107*		*80.0-120*		*05/24/2019 00:39*	WG1285663
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/18/2019 01:10*	WG1283097
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*05/24/2019 00:39*	WG1285663
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*05/18/2019 01:10*	WG1283097
(S) 1,2-Dichloroethane-d4	*94.6*		*70.0-130*		*05/24/2019 00:39*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1160		20.0	20	05/26/2019 13:29	WG1286827
Toluene	78.4		5.00	5	05/26/2019 10:50	WG1286827
Ethylbenzene	ND		5.00	5	05/26/2019 10:50	WG1286827
Total Xylenes	482		15.0	5	05/26/2019 10:50	WG1286827
Methyl tert-butyl ether	292		5.00	5	05/18/2019 04:31	WG1283097
Naphthalene	228		25.0	5	05/18/2019 04:31	WG1283097
1,2-Dichloroethane	ND		5.00	5	05/18/2019 04:31	WG1283097
(S) Toluene-d8	*99.1*		*80.0-120*		*05/18/2019 04:31*	WG1283097
(S) Toluene-d8	*106*		*80.0-120*		*05/26/2019 13:29*	WG1286827
(S) Toluene-d8	*107*		*80.0-120*		*05/26/2019 10:50*	WG1286827
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/18/2019 04:31*	WG1283097
(S) 4-Bromofluorobenzene	*99.5*		*77.0-126*		*05/26/2019 10:50*	WG1286827
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*05/26/2019 13:29*	WG1286827
(S) 1,2-Dichloroethane-d4	*92.2*		*70.0-130*		*05/18/2019 04:31*	WG1283097
(S) 1,2-Dichloroethane-d4	*97.2*		*70.0-130*		*05/26/2019 10:50*	WG1286827
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*05/26/2019 13:29*	WG1286827

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1060		25.0	25	05/24/2019 01:19	WG1285663
Toluene	61.3		1.00	1	05/18/2019 01:30	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 01:30	WG1283097
Total Xylenes	381		3.00	1	05/18/2019 01:30	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 01:30	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 01:30	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 01:30	WG1283097
(S) Toluene-d8	*96.8*		*80.0-120*		*05/18/2019 01:30*	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/24/2019 01:19*	WG1285663
(S) 4-Bromofluorobenzene	*97.1*		*77.0-126*		*05/18/2019 01:30*	WG1283097
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*05/24/2019 01:19*	WG1285663
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*05/18/2019 01:30*	WG1283097
(S) 1,2-Dichloroethane-d4	*92.1*		*70.0-130*		*05/24/2019 01:19*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4180		100	100	05/18/2019 04:51	WG1283097
Toluene	8970		100	100	05/18/2019 04:51	WG1283097
Ethylbenzene	758		100	100	05/18/2019 04:51	WG1283097
Total Xylenes	7620		300	100	05/18/2019 04:51	WG1283097
Methyl tert-butyl ether	105		100	100	05/18/2019 04:51	WG1283097
Naphthalene	636		500	100	05/18/2019 04:51	WG1283097
1,2-Dichloroethane	ND		100	100	05/18/2019 04:51	WG1283097
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 04:51*	WG1283097
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*05/18/2019 04:51*	WG1283097
(S) 1,2-Dichloroethane-d4	*92.0*		*70.0-130*		*05/18/2019 04:51*	WG1283097

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	299		10.0	10	05/24/2019 01:40	WG1285663
Toluene	4.11		1.00	1	05/18/2019 01:50	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 01:50	WG1283097
Total Xylenes	119		3.00	1	05/18/2019 01:50	WG1283097
Methyl tert-butyl ether	86.2		1.00	1	05/18/2019 01:50	WG1283097
Naphthalene	5.33		5.00	1	05/18/2019 01:50	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 01:50	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 01:50*	WG1283097
(S) Toluene-d8	*103*		*80.0-120*		*05/24/2019 01:40*	WG1285663
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*05/18/2019 01:50*	WG1283097
(S) 4-Bromofluorobenzene	*99.2*		*77.0-126*		*05/24/2019 01:40*	WG1285663
(S) 1,2-Dichloroethane-d4	*89.0*		*70.0-130*		*05/18/2019 01:50*	WG1283097
(S) 1,2-Dichloroethane-d4	*93.9*		*70.0-130*		*05/24/2019 01:40*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	535		10.0	10	05/24/2019 02:00	WG1285663
Toluene	11.1		1.00	1	05/18/2019 02:10	WG1283097
Ethylbenzene	1.36		1.00	1	05/18/2019 02:10	WG1283097
Total Xylenes	178		3.00	1	05/18/2019 02:10	WG1283097
Methyl tert-butyl ether	169		1.00	1	05/18/2019 02:10	WG1283097
Naphthalene	8.65		5.00	1	05/18/2019 02:10	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 02:10	WG1283097
(S) Toluene-d8	*100*		*80.0-120*		*05/18/2019 02:10*	WG1283097
(S) Toluene-d8	*105*		*80.0-120*		*05/24/2019 02:00*	WG1285663
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 02:10*	WG1283097
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/24/2019 02:00*	WG1285663
(S) 1,2-Dichloroethane-d4	*91.7*		*70.0-130*		*05/18/2019 02:10*	WG1283097
(S) 1,2-Dichloroethane-d4	*97.8*		*70.0-130*		*05/24/2019 02:00*	WG1285663

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	716		25.0	25	05/24/2019 02:20	WG1285663
Toluene	23.3		1.00	1	05/18/2019 02:30	WG1283097
Ethylbenzene	3.25		1.00	1	05/18/2019 02:30	WG1283097
Total Xylenes	332		3.00	1	05/18/2019 02:30	WG1283097
Methyl tert-butyl ether	180		1.00	1	05/18/2019 02:30	WG1283097
Naphthalene	20.0		5.00	1	05/18/2019 02:30	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 02:30	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 02:30*	WG1283097
(S) Toluene-d8	*105*		*80.0-120*		*05/24/2019 02:20*	WG1285663
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*05/18/2019 02:30*	WG1283097
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/24/2019 02:20*	WG1285663
(S) 1,2-Dichloroethane-d4	*91.4*		*70.0-130*		*05/18/2019 02:30*	WG1283097
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*05/24/2019 02:20*	WG1285663

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	05/18/2019 02:50	WG1283097
Toluene	ND		1.00	1	05/18/2019 02:50	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 02:50	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 02:50	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 02:50	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 02:50	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 02:50	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 02:50*	WG1283097
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/18/2019 02:50*	WG1283097
(S) 1,2-Dichloroethane-d4	*92.5*		*70.0-130*		*05/18/2019 02:50*	WG1283097

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	05/18/2019 03:10	WG1283097
Toluene	ND		1.00	1	05/18/2019 03:10	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 03:10	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 03:10	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 03:10	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 03:10	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 03:10	WG1283097
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 03:10*	WG1283097
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 03:10*	WG1283097
(S) 1,2-Dichloroethane-d4	*90.7*		*70.0-130*		*05/18/2019 03:10*	WG1283097

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	05/18/2019 03:31	WG1283097
Toluene	ND		1.00	1	05/18/2019 03:31	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 03:31	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 03:31	WG1283097
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 03:31	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 03:31	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 03:31	WG1283097
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 03:31*	WG1283097
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*05/18/2019 03:31*	WG1283097
(S) 1,2-Dichloroethane-d4	*91.2*		*70.0-130*		*05/18/2019 03:31*	WG1283097

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	721		25.0	25	05/24/2019 02:41	WG1285663
Toluene	1180		25.0	25	05/24/2019 02:41	WG1285663
Ethylbenzene	118		1.00	1	05/18/2019 03:51	WG1283097
Total Xylenes	526		75.0	25	05/24/2019 02:41	WG1285663
Methyl tert-butyl ether	96.6		1.00	1	05/18/2019 03:51	WG1283097
Naphthalene	19.5		5.00	1	05/18/2019 03:51	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 03:51	WG1283097
(S) Toluene-d8	*99.2*		*80.0-120*		*05/18/2019 03:51*	WG1283097
(S) Toluene-d8	*99.7*		*80.0-120*		*05/24/2019 02:41*	WG1285663
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 03:51*	WG1283097
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*05/24/2019 02:41*	WG1285663
(S) 1,2-Dichloroethane-d4	*90.5*		*70.0-130*		*05/18/2019 03:51*	WG1283097
(S) 1,2-Dichloroethane-d4	*97.1*		*70.0-130*		*05/24/2019 02:41*	WG1285663

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	05/18/2019 04:11	WG1283097
Toluene	ND		1.00	1	05/18/2019 04:11	WG1283097
Ethylbenzene	ND		1.00	1	05/18/2019 04:11	WG1283097
Total Xylenes	ND		3.00	1	05/18/2019 04:11	WG1283097
Methyl tert-butyl ether	89.4		1.00	1	05/18/2019 04:11	WG1283097
Naphthalene	ND		5.00	1	05/18/2019 04:11	WG1283097
1,2-Dichloroethane	ND		1.00	1	05/18/2019 04:11	WG1283097
(S) Toluene-d8	*98.4*		*80.0-120*		*05/18/2019 04:11*	WG1283097
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 04:11*	WG1283097
(S) 1,2-Dichloroethane-d4	*93.7*		*70.0-130*		*05/18/2019 04:11*	WG1283097

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	162		1.00	1	05/18/2019 07:52	WG1283099
Toluene	2.63		1.00	1	05/18/2019 07:52	WG1283099
Ethylbenzene	2.18		1.00	1	05/18/2019 07:52	WG1283099
Total Xylenes	14.9		3.00	1	05/18/2019 07:52	WG1283099
Methyl tert-butyl ether	163		1.00	1	05/18/2019 07:52	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 07:52	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 07:52	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 07:52*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 07:52*	WG1283099
(S) 1,2-Dichloroethane-d4	*94.5*		*70.0-130*		*05/18/2019 07:52*	WG1283099

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	05/18/2019 08:12	WG1283099
Toluene	ND		1.00	1	05/18/2019 08:12	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 08:12	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 08:12	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 08:12	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 08:12	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 08:12	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 08:12*	WG1283099
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*05/18/2019 08:12*	WG1283099
(S) 1,2-Dichloroethane-d4	*95.9*		*70.0-130*		*05/18/2019 08:12*	WG1283099

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	05/18/2019 08:32	WG1283099
Toluene	ND		1.00	1	05/18/2019 08:32	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 08:32	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 08:32	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 08:32	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 08:32	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 08:32	WG1283099
(S) Toluene-d8	*99.1*		*80.0-120*		*05/18/2019 08:32*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 08:32*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.1*		*70.0-130*		*05/18/2019 08:32*	WG1283099

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	05/18/2019 08:52	WG1283099
Toluene	ND		1.00	1	05/18/2019 08:52	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 08:52	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 08:52	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 08:52	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 08:52	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 08:52	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 08:52*	WG1283099
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*05/18/2019 08:52*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.4*		*70.0-130*		*05/18/2019 08:52*	WG1283099

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	614		10.0	10	05/20/2019 20:18	WG1283926
Toluene	1.42		1.00	1	05/18/2019 09:12	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 09:12	WG1283099
Total Xylenes	178		3.00	1	05/18/2019 09:12	WG1283099
Methyl tert-butyl ether	95.6		1.00	1	05/18/2019 09:12	WG1283099
Naphthalene	10.1		5.00	1	05/18/2019 09:12	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 09:12	WG1283099
(S) Toluene-d8	*99.5*		*80.0-120*		*05/18/2019 09:12*	WG1283099
(S) Toluene-d8	*106*		*80.0-120*		*05/20/2019 20:18*	WG1283926
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 09:12*	WG1283099
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*05/20/2019 20:18*	WG1283926
(S) 1,2-Dichloroethane-d4	*93.4*		*70.0-130*		*05/18/2019 09:12*	WG1283099
(S) 1,2-Dichloroethane-d4	*80.6*		*70.0-130*		*05/20/2019 20:18*	WG1283926

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	05/18/2019 06:51	WG1283099
Toluene	ND		1.00	1	05/18/2019 06:51	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 06:51	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 06:51	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 06:51	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 06:51	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 06:51	WG1283099
(S) Toluene-d8	*99.0*		*80.0-120*		*05/18/2019 06:51*	WG1283099
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*05/18/2019 06:51*	WG1283099
(S) 1,2-Dichloroethane-d4	*91.2*		*70.0-130*		*05/18/2019 06:51*	WG1283099

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	05/18/2019 07:11	WG1283099
Toluene	ND		1.00	1	05/18/2019 07:11	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 07:11	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 07:11	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 07:11	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 07:11	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 07:11	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 07:11*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 07:11*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*05/18/2019 07:11*	WG1283099

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	05/18/2019 07:31	WG1283099
Toluene	ND		1.00	1	05/18/2019 07:31	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 07:31	WG1283099
Total Xylenes	ND		3.00	1	05/18/2019 07:31	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 07:31	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 07:31	WG1283099
1,2-Dichloroethane	ND		1.00	1	05/18/2019 07:31	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 07:31*	WG1283099
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*05/18/2019 07:31*	WG1283099
(S) 1,2-Dichloroethane-d4	*95.3*		*70.0-130*		*05/18/2019 07:31*	WG1283099

Method Blank (MB)

(MB) R3414168-3 05/17/19 22:09

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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*

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

(LCS) R3414168-1 05/17/19 21:08 • (LCSD) R3414168-2 05/17/19 21:28

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	25.0	24.0	23.6	95.8	94.2	70.0-130			1.71	20
1,2-Dichloroethane	25.0	21.5	21.7	86.0	86.6	70.0-130			0.673	20
Ethylbenzene	25.0	24.6	24.3	98.5	97.0	70.0-130			1.54	20
Methyl tert-butyl ether	25.0	22.7	23.1	90.7	92.5	70.0-130			1.98	20
Naphthalene	25.0	24.7	26.5	98.7	106	70.0-130			7.27	20
Toluene	25.0	23.8	23.4	95.3	93.5	70.0-130			1.88	20
Xylenes, Total	75.0	74.7	73.3	99.6	97.7	70.0-130			1.89	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.5*	*95.1*	*70.0-130*				

Method Blank (MB)

(MB) R3412883-2 05/18/19 06:31

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	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3412883-1 05/18/19 05:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.1	96.5	70.0-130	
1,2-Dichloroethane	25.0	21.2	85.0	70.0-130	
Ethylbenzene	25.0	24.6	98.5	70.0-130	
Methyl tert-butyl ether	25.0	22.8	91.2	70.0-130	
Naphthalene	25.0	26.5	106	70.0-130	
Toluene	25.0	23.6	94.3	70.0-130	
Xylenes, Total	75.0	73.8	98.4	70.0-130	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*95.2*	*70.0-130*	

Method Blank (MB)

(MB) R3412947-2 05/20/19 09:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*110*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*79.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3412947-1 05/20/19 09:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.7	94.7	70.0-130	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*88.6*	*70.0-130*	

Method Blank (MB)

(MB) R3414576-2 05/23/19 22:16

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	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3414576-1 05/23/19 21:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.2	97.0	70.0-130	
1,2-Dichloroethane	25.0	22.8	91.1	70.0-130	
Ethylbenzene	25.0	21.4	85.7	70.0-130	
Methyl tert-butyl ether	25.0	21.0	84.2	70.0-130	
Naphthalene	25.0	24.8	99.2	70.0-130	
Toluene	25.0	22.4	89.6	70.0-130	
Xylenes, Total	75.0	81.4	109	70.0-130	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.8*	*70.0-130*	

Method Blank (MB)

(MB) R3414995-3 05/24/19 17:29

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	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

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

(LCS) R3414995-1 05/24/19 16:30 • (LCSD) R3414995-2 05/24/19 16:50

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	25.0	23.9	23.3	95.8	93.4	70.0-130			2.55	20
Toluene	25.0	24.6	24.2	98.4	96.7	70.0-130			1.74	20
Xylenes, Total	75.0	73.9	73.1	98.5	97.5	70.0-130			1.09	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*98.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*96.2*	*70.0-130*				

Method Blank (MB)

(MB) R3415080-3 05/26/19 05:13

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
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

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

(LCS) R3415080-1 05/26/19 03:54 • (LCSD) R3415080-2 05/26/19 04:14

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	25.0	24.7	23.5	98.8	94.2	70.0-130			4.76	20
Ethylbenzene	25.0	26.5	24.8	106	99.1	70.0-130			6.93	20
Toluene	25.0	25.4	24.0	102	96.2	70.0-130			5.45	20
Xylenes, Total	75.0	77.0	72.7	103	96.9	70.0-130			5.74	20
(S) Toluene-d8				*109*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.4*	*99.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.6*	*104*	*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.

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

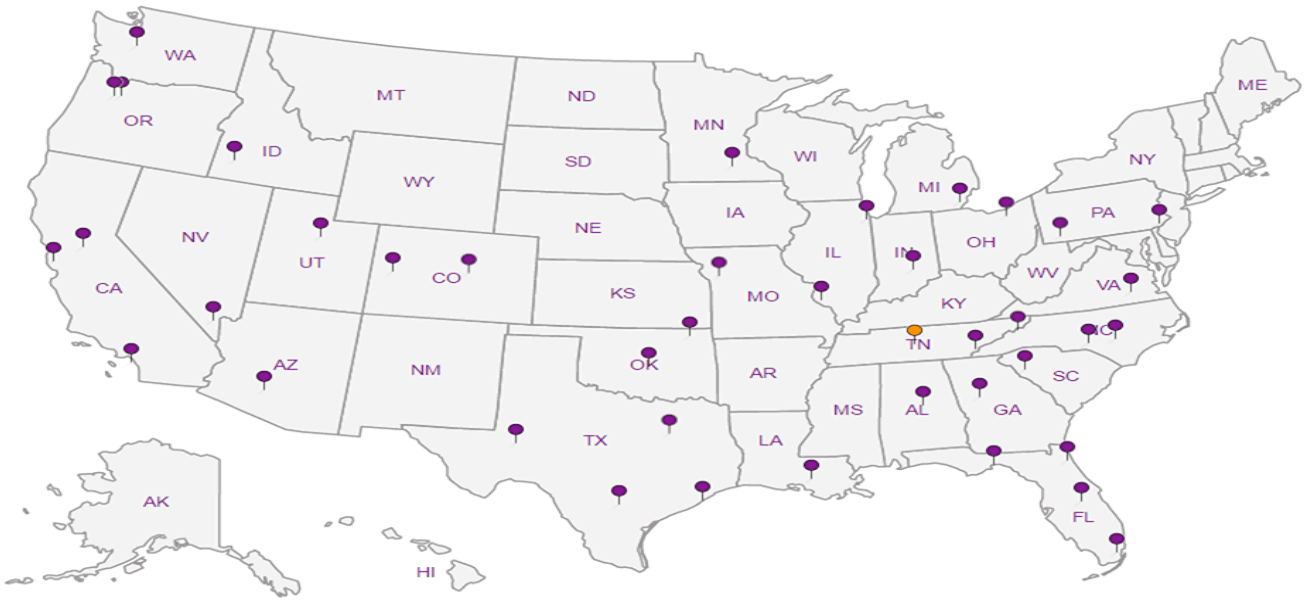
Third Party Federal Accreditations

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.



Chain of Custody Page 1 of 3

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

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:

Phone: 770-604-9182
Fax:

Client Project # D3161400

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): TYLER L. HALL

Site/Facility ID # LEWIS DRIVE

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: STANDARD

L # L1099507

A150

Acctnum: KINCH2MGA
Template: T131319
Prelogin: P708636
TSR: 526 - Chris McCord
PB: 5-9-19 MMB
Shipped Via: FedEX Standard

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-17B-051419	G	GW		5-14-19	1015	3	X			-01
MW-46-051419	↓	GW		↓	1125	3	X			-02
MW-23-051419	↓	GW		↓	1230	3	X			-03
MW-23-D-051419	↓	GW		↓	1235	3	X			-04
MW-40-051419	↓	GW		↓	1600	3	X			-05
MW-54-051519	↓	GW		5-15-19	0920	3	X			-06
MW-53-051519	↓	GW		↓	0930	3	X			-07
MW-07-051519	↓	GW		↓	0945	3	X			-08
MW-55-051519	↓	GW		↓	1010	3	X			-09
MW-36-051519	↓	GW		↓	1020	3	X			-10

RAD SCREEN: <0.5 mR/hr

* 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 # 1023 1350 3772

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:	
[signature]	5-15-19	1700		(Yes) / No; (HCL) / MeoH; TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1±0=1.1 °C	Bottles Received: 81
					If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-16-19	Time: 8:45
			[signature]	Hold:	Condition: NCF / (OK)

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:

Phone: 770-604-9182
Fax:

Client Project # D3161400

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): Tyler 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: STANDARD

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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# L1099507

Table #

Acctnum: KINCH2MGA

Template: T131319

Prelogin: P708636

TSR: 526 - Chris McCord

PB: 5-9-19 mg

Shipped Via: FedEX Standard

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-D-051519	G	GW		5-15-19	1025	3	X			-11
MW-20-051519		GW			1105	3	X			-12
MW-56-051519		GW			1120	3	X			-13
MW-57-051519		GW			1125	3	X			-14
MW-57-D-051519		GW			1130	3	X			-15
MW-26-051519		GW			1140	3	X			-16
MW-51-051519		GW			1400	3	X			-17
MW-52-051519		GW			1410	3	X			-18
MW-15B-051519		GW			1425	3	X			-19
MW-39-051519	↓	GW		↓	1440	3	X			-20

RAD SCREEN: <0.5 mR/hr

* 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 # Same

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)
	5-15-19	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
1
HCl / MeoH
TBR

Temp: 1.1 °C Bottles Received: 81

Date: 5-16-19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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:

Phone: 770-604-9182
Fax:

Client Project # D316400

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): TYLER HALL

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

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: STANDARD

Chain of Custody Page 3 of 3

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# L1099507

Table #

Acctnum: KINCH2MGA

Template: T131319

Prelogin: P708636

TSR: 526 - Chris McCord

PB: 5-9-19 mo

Shipped Via: FedEX Standard

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Pres Chk	Remarks	Sample # (lab only)
MW-34-051519	G	GW		5-15-19	1450	3	X				-24
MW-41-051519		GW			1455	3	X				-22
MW-41-D-051519		GW			1500	3	X				-23
MW-37-051519		GW			1520	3	X			RAD SCREEN: <0.5 mR/hr	-24
MW-38-051519		GW			1530	3	X				-25
TB01-051519		~~GW~~			—	3	X				-26
FB02-051519		~~GW~~			1600	3	X				-27
FB01-051419		~~GW~~		05-14-19	1700	3	X				-28
		~~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,1,2-DCA.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # Same

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
	5-15-19	1700		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.3 °C Bottles Received: 8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-16-19 Time: 8:45	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 14, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1105537
Samples Received:	06/05/2019
Project Number:	D3161400.B.PN.GEN.1D
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

MW-44-060419 L1105537-01 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 09:05 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 22:07	06/08/19 22:07	BMB	Mt. Juliet, TN

MW-44B-060419 L1105537-02 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 09:20 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 22:27	06/08/19 22:27	BMB	Mt. Juliet, TN

MW-08-060419 L1105537-03 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 10:00 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 22:47	06/08/19 22:47	BMB	Mt. Juliet, TN

MW-18-060419 L1105537-04 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 10:20 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 23:06	06/08/19 23:06	BMB	Mt. Juliet, TN

MW-16-060419 L1105537-05 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 10:30 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 23:26	06/08/19 23:26	BMB	Mt. Juliet, TN

MW-07-060419 L1105537-06 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 10:45 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/08/19 23:46	06/08/19 23:46	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294550	50	06/12/19 10:38	06/12/19 10:38	BMB	Mt. Juliet, TN

MW-06B-060419 L1105537-07 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 10:55 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 00:06	06/09/19 00:06	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294550	1	06/12/19 11:00	06/12/19 11:00	BMB	Mt. Juliet, TN

MW-06-060419 L1105537-08 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 11:05 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 00:26	06/09/19 00:26	BMB	Mt. Juliet, TN

MW-09B-060419 L1105537-09 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 11:20 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 00:46	06/09/19 00:46	BMB	Mt. Juliet, TN

MW-09-060419 L1105537-10 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 13:10 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 01:06	06/09/19 01:06	BMB	Mt. Juliet, TN

MW-02-060419 L1105537-11 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 13:25 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 01:26	06/09/19 01:26	BMB	Mt. Juliet, TN

MW-02B-060419 L1105537-12 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 13:35 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 01:46	06/09/19 01:46	BMB	Mt. Juliet, TN

MW-05-060419 L1105537-13 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 14:05 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 02:06	06/09/19 02:06	BMB	Mt. Juliet, TN

MW-04-060419 L1105537-14 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 14:20 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 02:26	06/09/19 02:26	BMB	Mt. Juliet, TN

MW-30-060419 L1105537-15 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 15:00 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 02:45	06/09/19 02:45	BMB	Mt. Juliet, TN

MW-03-060419 L1105537-16 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 15:15 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 03:05	06/09/19 03:05	BMB	Mt. Juliet, TN

MW-32-060419 L1105537-17 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 15:25 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 03:25	06/09/19 03:25	BMB	Mt. Juliet, TN

MW-10-060419 L1105537-18 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 15:40 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 03:45	06/09/19 03:45	BMB	Mt. Juliet, TN

MW-36-060419 L1105537-19 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 16:00 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 04:05	06/09/19 04:05	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294550	25	06/12/19 11:22	06/12/19 11:22	BMB	Mt. Juliet, TN

MW-36-D-060419 L1105537-20 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 16:01 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293338	1	06/09/19 04:25	06/09/19 04:25	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294550	25	06/12/19 11:43	06/12/19 11:43	BMB	Mt. Juliet, TN

MW-36B-060419 L1105537-21 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 16:10 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 06:44	06/09/19 06:44	ACG	Mt. Juliet, TN

EB01-060419 L1105537-22 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 16:30 | Received date/time: 06/05/19 08:45

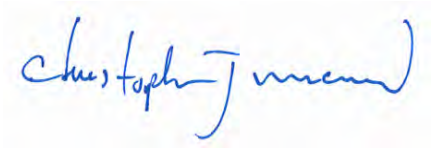
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 07:04	06/09/19 07:04	ACG	Mt. Juliet, TN

TB01-060419 L1105537-23 GW

Collected by: Melissa Warren | Collected date/time: 06/04/19 16:35 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 06:24	06/09/19 06:24	ACG	Mt. Juliet, TN

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



Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/08/2019 22:07	WG1293338
Toluene	ND		1.00	1	06/08/2019 22:07	WG1293338
Ethylbenzene	ND		1.00	1	06/08/2019 22:07	WG1293338
Total Xylenes	ND		3.00	1	06/08/2019 22:07	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/08/2019 22:07	WG1293338
Naphthalene	ND		5.00	1	06/08/2019 22:07	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/08/2019 22:07	WG1293338
(S) Toluene-d8	*98.4*		*80.0-120*		*06/08/2019 22:07*	WG1293338
(S) 4-Bromofluorobenzene	*95.5*		*77.0-126*		*06/08/2019 22:07*	WG1293338
(S) 1,2-Dichloroethane-d4	*90.0*		*70.0-130*		*06/08/2019 22:07*	WG1293338

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	06/08/2019 22:27	WG1293338
Toluene	ND		1.00	1	06/08/2019 22:27	WG1293338
Ethylbenzene	ND		1.00	1	06/08/2019 22:27	WG1293338
Total Xylenes	ND		3.00	1	06/08/2019 22:27	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/08/2019 22:27	WG1293338
Naphthalene	ND		5.00	1	06/08/2019 22:27	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/08/2019 22:27	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/08/2019 22:27*	WG1293338
(S) 4-Bromofluorobenzene	*97.7*		*77.0-126*		*06/08/2019 22:27*	WG1293338
(S) 1,2-Dichloroethane-d4	*88.4*		*70.0-130*		*06/08/2019 22:27*	WG1293338

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	06/08/2019 22:47	WG1293338
Toluene	ND		1.00	1	06/08/2019 22:47	WG1293338
Ethylbenzene	ND		1.00	1	06/08/2019 22:47	WG1293338
Total Xylenes	ND		3.00	1	06/08/2019 22:47	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/08/2019 22:47	WG1293338
Naphthalene	ND		5.00	1	06/08/2019 22:47	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/08/2019 22:47	WG1293338
(S) Toluene-d8	*104*		*80.0-120*		*06/08/2019 22:47*	WG1293338
(S) 4-Bromofluorobenzene	*99.3*		*77.0-126*		*06/08/2019 22:47*	WG1293338
(S) 1,2-Dichloroethane-d4	*89.9*		*70.0-130*		*06/08/2019 22:47*	WG1293338

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.46		1.00	1	06/08/2019 23:06	WG1293338
Toluene	20.9		1.00	1	06/08/2019 23:06	WG1293338
Ethylbenzene	2.92		1.00	1	06/08/2019 23:06	WG1293338
Total Xylenes	42.0		3.00	1	06/08/2019 23:06	WG1293338
Methyl tert-butyl ether	13.6		1.00	1	06/08/2019 23:06	WG1293338
Naphthalene	87.5		5.00	1	06/08/2019 23:06	WG1293338
1,2-Dichloroethane	2.36		1.00	1	06/08/2019 23:06	WG1293338
(S) Toluene-d8	*99.9*		*80.0-120*		*06/08/2019 23:06*	WG1293338
(S) 4-Bromofluorobenzene	*99.7*		*77.0-126*		*06/08/2019 23:06*	WG1293338
(S) 1,2-Dichloroethane-d4	*88.3*		*70.0-130*		*06/08/2019 23:06*	WG1293338

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9.56		1.00	1	06/08/2019 23:26	WG1293338
Toluene	78.9		1.00	1	06/08/2019 23:26	WG1293338
Ethylbenzene	15.4		1.00	1	06/08/2019 23:26	WG1293338
Total Xylenes	162		3.00	1	06/08/2019 23:26	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/08/2019 23:26	WG1293338
Naphthalene	192		5.00	1	06/08/2019 23:26	WG1293338
1,2-Dichloroethane	1.06		1.00	1	06/08/2019 23:26	WG1293338
(S) Toluene-d8	*96.8*		*80.0-120*		*06/08/2019 23:26*	WG1293338
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*		*06/08/2019 23:26*	WG1293338
(S) 1,2-Dichloroethane-d4	*98.5*		*70.0-130*		*06/08/2019 23:26*	WG1293338

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1940		50.0	50	06/12/2019 10:38	WG1294550
Toluene	3390		50.0	50	06/12/2019 10:38	WG1294550
Ethylbenzene	168		1.00	1	06/08/2019 23:46	WG1293338
Total Xylenes	2740		150	50	06/12/2019 10:38	WG1294550
Methyl tert-butyl ether	ND		1.00	1	06/08/2019 23:46	WG1293338
Naphthalene	6.90		5.00	1	06/08/2019 23:46	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/08/2019 23:46	WG1293338
(S) Toluene-d8	*97.5*		*80.0-120*		*06/08/2019 23:46*	WG1293338
(S) Toluene-d8	*104*		*80.0-120*		*06/12/2019 10:38*	WG1294550
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*06/08/2019 23:46*	WG1293338
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*06/12/2019 10:38*	WG1294550
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*06/08/2019 23:46*	WG1293338
(S) 1,2-Dichloroethane-d4	*93.9*		*70.0-130*		*06/12/2019 10:38*	WG1294550

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	06/09/2019 00:06	WG1293338
Toluene	4.53		1.00	1	06/12/2019 11:00	WG1294550
Ethylbenzene	ND		1.00	1	06/09/2019 00:06	WG1293338
Total Xylenes	ND		3.00	1	06/12/2019 11:00	WG1294550
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 00:06	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 00:06	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 00:06	WG1293338
(S) Toluene-d8	*99.9*		*80.0-120*		*06/09/2019 00:06*	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/12/2019 11:00*	WG1294550
(S) 4-Bromofluorobenzene	*95.5*		*77.0-126*		*06/09/2019 00:06*	WG1293338
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*06/12/2019 11:00*	WG1294550
(S) 1,2-Dichloroethane-d4	*88.2*		*70.0-130*		*06/09/2019 00:06*	WG1293338
(S) 1,2-Dichloroethane-d4	*93.2*		*70.0-130*		*06/12/2019 11:00*	WG1294550

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	06/09/2019 00:26	WG1293338
Toluene	ND		1.00	1	06/09/2019 00:26	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 00:26	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 00:26	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 00:26	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 00:26	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 00:26	WG1293338
(S) Toluene-d8	*105*		*80.0-120*		*06/09/2019 00:26*	WG1293338
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*06/09/2019 00:26*	WG1293338
(S) 1,2-Dichloroethane-d4	*88.9*		*70.0-130*		*06/09/2019 00:26*	WG1293338

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	06/09/2019 00:46	WG1293338
Toluene	ND		1.00	1	06/09/2019 00:46	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 00:46	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 00:46	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 00:46	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 00:46	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 00:46	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 00:46*	WG1293338
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*06/09/2019 00:46*	WG1293338
(S) 1,2-Dichloroethane-d4	*86.7*		*70.0-130*		*06/09/2019 00:46*	WG1293338

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	06/09/2019 01:06	WG1293338
Toluene	1.66		1.00	1	06/09/2019 01:06	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 01:06	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 01:06	WG1293338
Methyl tert-butyl ether	3.95		1.00	1	06/09/2019 01:06	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 01:06	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 01:06	WG1293338
(S) Toluene-d8	*106*		*80.0-120*		*06/09/2019 01:06*	WG1293338
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*06/09/2019 01:06*	WG1293338
(S) 1,2-Dichloroethane-d4	*92.9*		*70.0-130*		*06/09/2019 01:06*	WG1293338

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	06/09/2019 01:26	WG1293338
Toluene	ND		1.00	1	06/09/2019 01:26	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 01:26	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 01:26	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 01:26	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 01:26	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 01:26	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 01:26*	WG1293338
(S) 4-Bromofluorobenzene	*97.3*		*77.0-126*		*06/09/2019 01:26*	WG1293338
(S) 1,2-Dichloroethane-d4	*87.8*		*70.0-130*		*06/09/2019 01:26*	WG1293338

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	06/09/2019 01:46	WG1293338
Toluene	ND		1.00	1	06/09/2019 01:46	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 01:46	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 01:46	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 01:46	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 01:46	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 01:46	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 01:46*	WG1293338
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*06/09/2019 01:46*	WG1293338
(S) 1,2-Dichloroethane-d4	*92.0*		*70.0-130*		*06/09/2019 01:46*	WG1293338

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	06/09/2019 02:06	WG1293338
Toluene	ND		1.00	1	06/09/2019 02:06	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 02:06	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 02:06	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 02:06	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 02:06	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 02:06	WG1293338
(S) Toluene-d8	*99.8*		*80.0-120*		*06/09/2019 02:06*	WG1293338
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*06/09/2019 02:06*	WG1293338
(S) 1,2-Dichloroethane-d4	*91.6*		*70.0-130*		*06/09/2019 02:06*	WG1293338

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	06/09/2019 02:26	WG1293338
Toluene	ND		1.00	1	06/09/2019 02:26	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 02:26	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 02:26	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 02:26	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 02:26	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 02:26	WG1293338
(S) Toluene-d8	*107*		*80.0-120*		*06/09/2019 02:26*	WG1293338
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*06/09/2019 02:26*	WG1293338
(S) 1,2-Dichloroethane-d4	*89.2*		*70.0-130*		*06/09/2019 02:26*	WG1293338

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	06/09/2019 02:45	WG1293338
Toluene	ND		1.00	1	06/09/2019 02:45	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 02:45	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 02:45	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 02:45	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 02:45	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 02:45	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 02:45*	WG1293338
(S) 4-Bromofluorobenzene	*98.5*		*77.0-126*		*06/09/2019 02:45*	WG1293338
(S) 1,2-Dichloroethane-d4	*93.0*		*70.0-130*		*06/09/2019 02:45*	WG1293338

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	06/09/2019 03:05	WG1293338
Toluene	ND		1.00	1	06/09/2019 03:05	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 03:05	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 03:05	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 03:05	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 03:05	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 03:05	WG1293338
(S) Toluene-d8	*105*		*80.0-120*		*06/09/2019 03:05*	WG1293338
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*06/09/2019 03:05*	WG1293338
(S) 1,2-Dichloroethane-d4	*88.4*		*70.0-130*		*06/09/2019 03:05*	WG1293338

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	06/09/2019 03:25	WG1293338
Toluene	ND		1.00	1	06/09/2019 03:25	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 03:25	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 03:25	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 03:25	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 03:25	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 03:25	WG1293338
(S) Toluene-d8	*100*		*80.0-120*		*06/09/2019 03:25*	WG1293338
(S) 4-Bromofluorobenzene	*92.0*		*77.0-126*		*06/09/2019 03:25*	WG1293338
(S) 1,2-Dichloroethane-d4	*87.7*		*70.0-130*		*06/09/2019 03:25*	WG1293338

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	06/09/2019 03:45	WG1293338
Toluene	ND		1.00	1	06/09/2019 03:45	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 03:45	WG1293338
Total Xylenes	ND		3.00	1	06/09/2019 03:45	WG1293338
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 03:45	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 03:45	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 03:45	WG1293338
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 03:45*	WG1293338
(S) 4-Bromofluorobenzene	*96.0*		*77.0-126*		*06/09/2019 03:45*	WG1293338
(S) 1,2-Dichloroethane-d4	*90.3*		*70.0-130*		*06/09/2019 03:45*	WG1293338

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1100		25.0	25	06/12/2019 11:22	WG1294550
Toluene	48.1		1.00	1	06/09/2019 04:05	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 04:05	WG1293338
Total Xylenes	428		75.0	25	06/12/2019 11:22	WG1294550
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 04:05	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 04:05	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 04:05	WG1293338
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2019 04:05*	WG1293338
(S) Toluene-d8	*99.4*		*80.0-120*		*06/12/2019 11:22*	WG1294550
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*06/09/2019 04:05*	WG1293338
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*06/12/2019 11:22*	WG1294550
(S) 1,2-Dichloroethane-d4	*87.2*		*70.0-130*		*06/09/2019 04:05*	WG1293338
(S) 1,2-Dichloroethane-d4	*95.5*		*70.0-130*		*06/12/2019 11:22*	WG1294550

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1170		25.0	25	06/12/2019 11:43	WG1294550
Toluene	49.3		1.00	1	06/09/2019 04:25	WG1293338
Ethylbenzene	ND		1.00	1	06/09/2019 04:25	WG1293338
Total Xylenes	467		75.0	25	06/12/2019 11:43	WG1294550
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 04:25	WG1293338
Naphthalene	ND		5.00	1	06/09/2019 04:25	WG1293338
1,2-Dichloroethane	ND		1.00	1	06/09/2019 04:25	WG1293338
(S) Toluene-d8	*105*		*80.0-120*		*06/09/2019 04:25*	WG1293338
(S) Toluene-d8	*98.5*		*80.0-120*		*06/12/2019 11:43*	WG1294550
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*06/09/2019 04:25*	WG1293338
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*06/12/2019 11:43*	WG1294550
(S) 1,2-Dichloroethane-d4	*88.8*		*70.0-130*		*06/09/2019 04:25*	WG1293338
(S) 1,2-Dichloroethane-d4	*92.9*		*70.0-130*		*06/12/2019 11:43*	WG1294550

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	06/09/2019 06:44	WG1293342
Toluene	ND		1.00	1	06/09/2019 06:44	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 06:44	WG1293342
Total Xylenes	ND		3.00	1	06/09/2019 06:44	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 06:44	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 06:44	WG1293342
1,2-Dichloroethane	ND		1.00	1	06/09/2019 06:44	WG1293342
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 06:44*	WG1293342
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*06/09/2019 06:44*	WG1293342
(S) 1,2-Dichloroethane-d4	*87.3*		*70.0-130*		*06/09/2019 06:44*	WG1293342

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	06/09/2019 07:04	WG1293342
Toluene	ND		1.00	1	06/09/2019 07:04	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 07:04	WG1293342
Total Xylenes	ND		3.00	1	06/09/2019 07:04	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 07:04	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 07:04	WG1293342
1,2-Dichloroethane	ND		1.00	1	06/09/2019 07:04	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 07:04*	WG1293342
(S) 4-Bromofluorobenzene	*94.2*		*77.0-126*		*06/09/2019 07:04*	WG1293342
(S) 1,2-Dichloroethane-d4	*88.5*		*70.0-130*		*06/09/2019 07:04*	WG1293342

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	06/09/2019 06:24	WG1293342
Toluene	ND		1.00	1	06/09/2019 06:24	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 06:24	WG1293342
Total Xylenes	ND		3.00	1	06/09/2019 06:24	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 06:24	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 06:24	WG1293342
1,2-Dichloroethane	ND		1.00	1	06/09/2019 06:24	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 06:24*	WG1293342
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*06/09/2019 06:24*	WG1293342
(S) 1,2-Dichloroethane-d4	*87.6*		*70.0-130*		*06/09/2019 06:24*	WG1293342

Method Blank (MB)

(MB) R3420120-2 06/08/19 20:56

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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3420120-1 06/08/19 19:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	26.7	107	70.0-130	
1,2-Dichloroethane	25.0	23.7	94.7	70.0-130	
Ethylbenzene	25.0	29.7	119	70.0-130	
Methyl tert-butyl ether	25.0	26.6	106	70.0-130	
Naphthalene	25.0	26.4	106	70.0-130	
Toluene	25.0	27.8	111	70.0-130	
Xylenes, Total	75.0	85.7	114	70.0-130	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*86.6*	*70.0-130*	

Method Blank (MB)

(MB) R3419562-3 06/09/19 06:05

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	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*

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

(LCS) R3419562-1 06/09/19 05:05 • (LCSD) R3419562-2 06/09/19 05:25

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	25.0	25.5	24.5	102	97.9	70.0-130			4.12	20
1,2-Dichloroethane	25.0	22.5	22.0	89.9	88.0	70.0-130			2.16	20
Ethylbenzene	25.0	28.6	27.2	114	109	70.0-130			4.79	20
Toluene	25.0	26.4	25.6	106	102	70.0-130			2.95	20
Methyl tert-butyl ether	25.0	25.6	24.8	102	99.2	70.0-130			3.09	20
Naphthalene	25.0	23.9	24.5	95.8	98.2	70.0-130			2.49	20
Xylenes, Total	75.0	81.0	77.4	108	103	70.0-130			4.55	20
(S) Toluene-d8				*100*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.5*	*97.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R3420444-3 06/12/19 10:01

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	*99.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*

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

(LCS) R3420444-1 06/12/19 08:55 • (LCSD) R3420444-2 06/12/19 09:17

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	25.0	25.4	25.7	101	103	70.0-130			1.28	20
Toluene	25.0	24.9	25.2	99.8	101	70.0-130			0.909	20
Xylenes, Total	75.0	82.1	80.0	109	107	70.0-130			2.59	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*91.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.3*	*88.6*	*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.

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

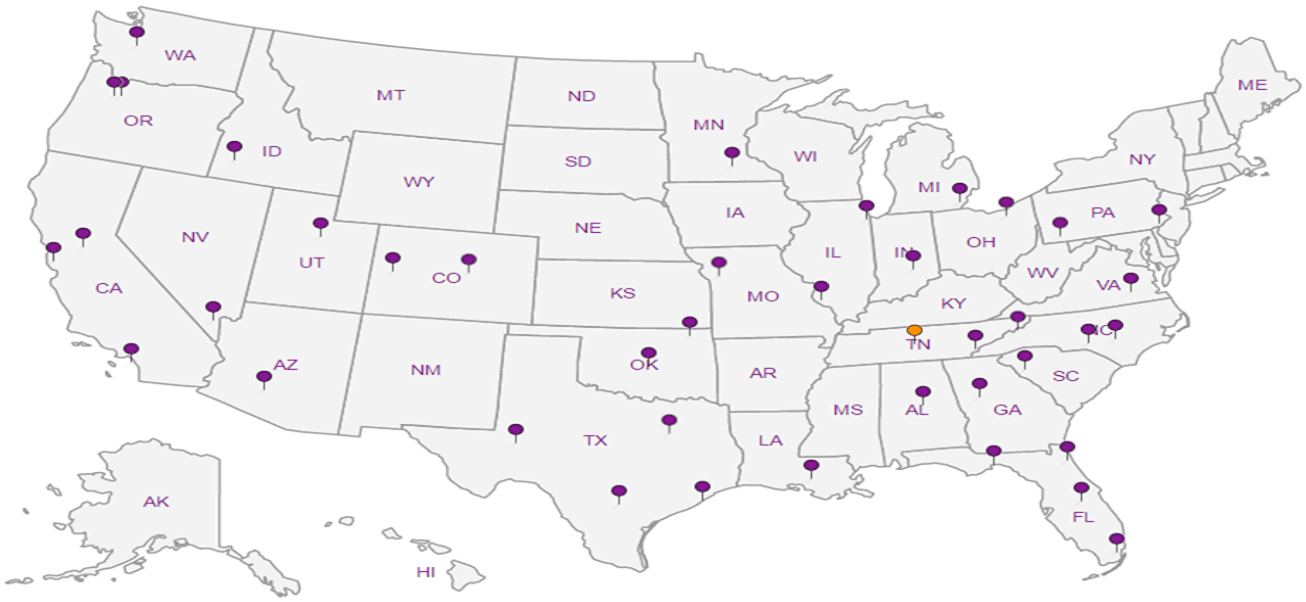
Third Party Federal Accreditations

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:

Phone: 770-604-9182
Fax:

Client Project # D3161400.B.PN.LEW.1DDMR.GW

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

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	Remarks	Sample # (lab only)
MW-44-060419	GRAB	GW	NA	06/04/19	0905	3				X			-01
MW-44B-060419		GW			0920								-02
MW-08-060419		GW			1000								-03
MW-18-060419		GW			1020							NEEDS DILUTION	-04
MW-16-060419		GW			1030								-05
MW-07-060419		GW			1045								-06
MW-06B-060419		GW			1055								-07
MW-66-060419		GW			1105								-08
MW-09B-060419		GW			1120								-09
MW-09-060419		GW			1310								-10

RAD SCREEN: <0.5 mR/hr

Chain of Custody Page 1 of 3

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# L1105537
D087

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

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 1023 1350 3073

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:	__Y __N
Preservation Correct/Checked:	__Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	Sample Receipt Checklist
	06/04/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 1.7-0.1=1.6 PM 66	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/5/19 Time: 8:45	Hold: / Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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

Pres Chk

Chain of Custody Page 2 of 3

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:

Phone: 770-604-9182
Fax:

Client Project #

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

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

L# L1105537
Table #
Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB:
Shipped Via: FedEX Ground

Analysis / Container / Preservative:
- *NITRATE,SULFATE* 125mlHDPE-NoPres
- ALK,CO2 125mlHDPE-NoPres
- RSK175 40mlAmb HCl
- V8260BTEXMNSC 40mlAmb-HCl (Pres Chk: X)
- V8260TCLSC-TB 40mlAmb-NoPres-Blk

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	Remarks	Sample # (lab only)
MW-02-060419	GRAB	GW	NA	06/04/19	1325	3				X			-11
MW-02B-060419	↓	GW	↓	↓	1335	↓				↓			-12
MW-05-060419	↓	GW	↓	↓	1405	↓				↓			-13
MW-01-060419	↓	GW	↓	↓	1420	↓				↓			-14
MW-30-060419	↓	GW	↓	↓	1500	↓				↓			-15
MW-03-060419	↓	GW	↓	↓	1515	↓				↓			-16
MW-32-060419	↓	GW	↓	↓	1525	↓				↓			-17
MW-10-060419	↓	GW	↓	↓	1540	↓				↓			-18
MW-36-060419	↓	GW	↓	↓	1600	↓				↓			-19
MW-36-D-060419	↓	GW	↓	↓	1601	↓				↓			-20

RAD SCREEN: <0.5 mR/hr

* 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 # Same

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
[signature]	06/04/19	1730		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7-0=1.7 °C; Bottles Received: 64
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 6/5/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 3 of 3

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

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:

Phone: 770-604-9182
Fax:

Client Project #

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

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 ✓

L # L1105537

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P695785
TSR: 526 - Chris McCord
PB:
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			Remarks	Sample # (lab only)
										✓ (Pres Chk)					
MW-36B-060419	GRAB	GW	NA	06/04/19	1610	3				X					-21
EB01-060419	↓	GW	↓	↓	1630	3				X					-22
TB01-060419	↓	GW	↓	↓	1635	1				X					-23
~~MW-17-060419~~	↓	~~GW~~	↓	↓		CM				~~X~~					
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													

RAD SCREEN: <0.5 mR/hr

* 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 # Same

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
[signature]	06/04/19	1730		

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received:	If preservation required by Login: Date/Time
				1.7-0.1=1.6	64	

Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			[signature]	6/5/19	8:45		OK (circled)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 17, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1106215
Samples Received:	06/06/2019
Project Number:	D3161400.B.PN.GEN.LD
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

MW-29-060519 L1106215-01 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	1	06/09/19 16:16	06/09/19 16:16	ACG	Mt. Juliet, TN

TB02-060519 L1106215-02 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:00 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294191	1	06/11/19 12:27	06/11/19 12:27	BMB	Mt. Juliet, TN

MW-19-060519 L1106215-03 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:30 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	5	06/09/19 16:37	06/09/19 16:37	ACG	Mt. Juliet, TN

MW-20-060519 L1106215-04 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:35 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	50	06/09/19 16:57	06/09/19 16:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1294191	1000	06/11/19 13:09	06/11/19 13:09	BMB	Mt. Juliet, TN

MW-26-060519 L1106215-05 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:45 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	1	06/09/19 17:18	06/09/19 17:18	ACG	Mt. Juliet, TN

MW-26B-060519 L1106215-06 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:50 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	1	06/09/19 17:38	06/09/19 17:38	ACG	Mt. Juliet, TN

MW-23-060519 L1106215-07 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:05 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	5	06/09/19 17:59	06/09/19 17:59	ACG	Mt. Juliet, TN

MW-23-D-060519 L1106215-08 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:06 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293392	5	06/09/19 18:20	06/09/19 18:20	ACG	Mt. Juliet, TN

MW-23B-060519 L1106215-09 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 18:49	06/09/19 18:49	ACG	Mt. Juliet, TN

MW-46-060519 L1106215-10 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:20 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	10	06/09/19 19:10	06/09/19 19:10	ACG	Mt. Juliet, TN

MW-11-D-060519 L1106215-11 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:11 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 19:31	06/09/19 19:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295749	200	06/13/19 18:25	06/13/19 18:25	BMB	Mt. Juliet, TN

MW-12-060519 L1106215-12 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:25 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 19:52	06/09/19 19:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295749	1	06/13/19 18:47	06/13/19 18:47	BMB	Mt. Juliet, TN

MW-12B-060519 L1106215-13 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:30 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	5	06/09/19 20:14	06/09/19 20:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295749	5	06/13/19 19:09	06/13/19 19:09	BMB	Mt. Juliet, TN

MW-28-060519 L1106215-14 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:45 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 20:35	06/09/19 20:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295749	1	06/13/19 19:30	06/13/19 19:30	BMB	Mt. Juliet, TN

MW-49-060519 L1106215-15 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:50 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 20:56	06/09/19 20:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295749	1	06/13/19 19:52	06/13/19 19:52	BMB	Mt. Juliet, TN

MW-35-060519 L1106215-16 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:00 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 21:51	06/09/19 21:51	ACG	Mt. Juliet, TN

MW-25-060519 L1106215-17 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:35 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 22:12	06/09/19 22:12	ACG	Mt. Juliet, TN

MW-25B-060519 L1106215-18 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 22:33	06/09/19 22:33	ACG	Mt. Juliet, TN

MW-15B-060519 L1106215-19 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:50 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	10	06/09/19 22:54	06/09/19 22:54	ACG	Mt. Juliet, TN

MW-37-060519 L1106215-20 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:00 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 23:15	06/09/19 23:15	ACG	Mt. Juliet, TN

MW-45-060519 L1106215-21 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:30 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 23:37	06/09/19 23:37	ACG	Mt. Juliet, TN

MW-45B-060519 L1106215-22 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:35 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/09/19 23:58	06/09/19 23:58	ACG	Mt. Juliet, TN

MW-21-060519 L1106215-23 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:05 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/10/19 00:20	06/10/19 00:20	ACG	Mt. Juliet, TN

MW-17B-060519 L1106215-24 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	200	06/10/19 00:41	06/10/19 00:41	ACG	Mt. Juliet, TN

FB02-060519 L1106215-25 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:55 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/10/19 01:03	06/10/19 01:03	ACG	Mt. Juliet, TN

MW-01-060519 L1106215-26 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 12:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/10/19 01:24	06/10/19 01:24	ACG	Mt. Juliet, TN

MW-01B-060519 L1106215-27 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 12:45 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/10/19 01:46	06/10/19 01:46	ACG	Mt. Juliet, TN

MW-27-060519 L1106215-28 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 12:55 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293455	1	06/10/19 02:07	06/10/19 02:07	ACG	Mt. Juliet, TN

MW-27B-060519 L1106215-29 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:00 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 04:16	06/10/19 04:16	ACG	Mt. Juliet, TN

MW-11-060519 L1106215-30 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:10 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	200	06/10/19 04:37	06/10/19 04:37	ACG	Mt. Juliet, TN

MW-17-060519 L1106215-31 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 08:05 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	5	06/10/19 04:59	06/10/19 04:59	ACG	Mt. Juliet, TN

MW-22-060519 L1106215-32 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 09:20 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 05:20	06/10/19 05:20	ACG	Mt. Juliet, TN

MW-47-060519 L1106215-33 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:05 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 05:41	06/10/19 05:41	ACG	Mt. Juliet, TN

MW-31-060519 L1106215-34 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 06:03	06/10/19 06:03	ACG	Mt. Juliet, TN

MW-33T-060519 L1106215-35 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:25 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 06:24	06/10/19 06:24	ACG	Mt. Juliet, TN

MW-50B-060519 L1106215-36 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 06:45	06/10/19 06:45	ACG	Mt. Juliet, TN

MW-48B-060519 L1106215-37 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 10:55 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 07:06	06/10/19 07:06	ACG	Mt. Juliet, TN

MW-14B-060519 L1106215-38 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 12:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 07:27	06/10/19 07:27	ACG	Mt. Juliet, TN

MW-14-060519 L1106215-39 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 12:55 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 07:48	06/10/19 07:48	ACG	Mt. Juliet, TN

MW-13-060519 L1106215-40 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:10 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	5	06/10/19 08:09	06/10/19 08:09	ACG	Mt. Juliet, TN

MW-13B-060519 L1106215-41 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	5	06/10/19 08:30	06/10/19 08:30	ACG	Mt. Juliet, TN

MW-42-060519 L1106215-42 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 08:51	06/10/19 08:51	ACG	Mt. Juliet, TN

MW-41-060519 L1106215-43 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:50 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 09:12	06/10/19 09:12	ACG	Mt. Juliet, TN

MW-41-D-060519 L1106215-44 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 13:51 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 09:33	06/10/19 09:33	ACG	Mt. Juliet, TN

MW-40-060519 L1106215-45 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:05 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 09:54	06/10/19 09:54	ACG	Mt. Juliet, TN

MW-39-060519 L1106215-46 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 10:15	06/10/19 10:15	ACG	Mt. Juliet, TN

MW-34-060519 L1106215-47 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:25 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	5	06/10/19 10:36	06/10/19 10:36	ACG	Mt. Juliet, TN

MW-15-060519 L1106215-48 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 14:40 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293457	1	06/10/19 10:57	06/10/19 10:57	ACG	Mt. Juliet, TN

MW-43B-060519 L1106215-49 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:15 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293482	1	06/10/19 00:37	06/10/19 00:37	ACE	Mt. Juliet, TN

MW-43-060519 L1106215-50 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:20 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293482	1	06/10/19 00:58	06/10/19 00:58	ACE	Mt. Juliet, TN

MW-38-060519 L1106215-51 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:10 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1295160	100	06/13/19 00:35	06/13/19 00:35	ADM	Mt. Juliet, TN

MW-24-060519 L1106215-52 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:30 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293482	1	06/10/19 01:38	06/10/19 01:38	ACE	Mt. Juliet, TN

MW-24B-060519 L1106215-53 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 15:40 | Received date/time: 06/06/19 08:45

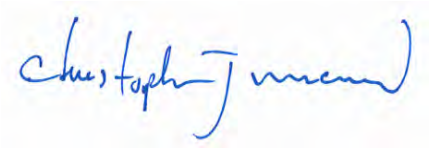
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293482	1	06/10/19 01:58	06/10/19 01:58	ACE	Mt. Juliet, TN

TB03-060519 L1106215-54 GW

Collected by: Melissa Warren | Collected date/time: 06/05/19 16:00 | Received date/time: 06/06/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293482	1	06/09/19 21:16	06/09/19 21:16	ACE	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	06/09/2019 16:16	WG1293392
Toluene	ND		1.00	1	06/09/2019 16:16	WG1293392
Ethylbenzene	ND		1.00	1	06/09/2019 16:16	WG1293392
Total Xylenes	ND		3.00	1	06/09/2019 16:16	WG1293392
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 16:16	WG1293392
Naphthalene	ND		5.00	1	06/09/2019 16:16	WG1293392
1,2-Dichloroethane	ND		1.00	1	06/09/2019 16:16	WG1293392
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2019 16:16*	WG1293392
(S) 4-Bromofluorobenzene	*70.3*	J2	*77.0-126*		*06/09/2019 16:16*	WG1293392
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*06/09/2019 16:16*	WG1293392

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	06/11/2019 12:27	WG1294191
Toluene	ND		1.00	1	06/11/2019 12:27	WG1294191
Ethylbenzene	ND		1.00	1	06/11/2019 12:27	WG1294191
Total Xylenes	ND		3.00	1	06/11/2019 12:27	WG1294191
Methyl tert-butyl ether	ND		1.00	1	06/11/2019 12:27	WG1294191
Naphthalene	ND		5.00	1	06/11/2019 12:27	WG1294191
1,2-Dichloroethane	ND		1.00	1	06/11/2019 12:27	WG1294191
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2019 12:27*	WG1294191
(S) 4-Bromofluorobenzene	*89.3*		*77.0-126*		*06/11/2019 12:27*	WG1294191
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*06/11/2019 12:27*	WG1294191

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		5.00	5	06/09/2019 16:37	WG1293392
Toluene	ND		5.00	5	06/09/2019 16:37	WG1293392
Ethylbenzene	ND		5.00	5	06/09/2019 16:37	WG1293392
Total Xylenes	30.4		15.0	5	06/09/2019 16:37	WG1293392
Methyl tert-butyl ether	ND		5.00	5	06/09/2019 16:37	WG1293392
Naphthalene	ND		25.0	5	06/09/2019 16:37	WG1293392
1,2-Dichloroethane	ND		5.00	5	06/09/2019 16:37	WG1293392
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 16:37*	WG1293392
(S) 4-Bromofluorobenzene	*65.2*	J2	*77.0-126*		*06/09/2019 16:37*	WG1293392
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*06/09/2019 16:37*	WG1293392

Sample Narrative:

L1106215-03 WG1293392: Non-target compounds too high to run at a lower dilution.

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	11200		1000	1000	06/11/2019 13:09	WG1294191
Toluene	22800		1000	1000	06/11/2019 13:09	WG1294191
Ethylbenzene	1460		50.0	50	06/09/2019 16:57	WG1293392
Total Xylenes	10200		150	50	06/09/2019 16:57	WG1293392
Methyl tert-butyl ether	174		50.0	50	06/09/2019 16:57	WG1293392
Naphthalene	437		250	50	06/09/2019 16:57	WG1293392
1,2-Dichloroethane	ND		50.0	50	06/09/2019 16:57	WG1293392
(S) Toluene-d8	*95.7*		*80.0-120*		*06/09/2019 16:57*	WG1293392
(S) Toluene-d8	*95.8*		*80.0-120*		*06/11/2019 13:09*	WG1294191
(S) 4-Bromofluorobenzene	*98.7*		*77.0-126*		*06/09/2019 16:57*	WG1293392
(S) 4-Bromofluorobenzene	*89.2*		*77.0-126*		*06/11/2019 13:09*	WG1294191
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*06/09/2019 16:57*	WG1293392
(S) 1,2-Dichloroethane-d4	*95.6*		*70.0-130*		*06/11/2019 13:09*	WG1294191

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	06/09/2019 17:18	WG1293392
Toluene	ND		1.00	1	06/09/2019 17:18	WG1293392
Ethylbenzene	ND		1.00	1	06/09/2019 17:18	WG1293392
Total Xylenes	ND		3.00	1	06/09/2019 17:18	WG1293392
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 17:18	WG1293392
Naphthalene	ND		5.00	1	06/09/2019 17:18	WG1293392
1,2-Dichloroethane	ND		1.00	1	06/09/2019 17:18	WG1293392
(S) Toluene-d8	*92.0*		*80.0-120*		*06/09/2019 17:18*	WG1293392
(S) 4-Bromofluorobenzene	*97.3*		*77.0-126*		*06/09/2019 17:18*	WG1293392
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*06/09/2019 17:18*	WG1293392

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	06/09/2019 17:38	WG1293392
Toluene	ND		1.00	1	06/09/2019 17:38	WG1293392
Ethylbenzene	ND		1.00	1	06/09/2019 17:38	WG1293392
Total Xylenes	ND		3.00	1	06/09/2019 17:38	WG1293392
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 17:38	WG1293392
Naphthalene	ND		5.00	1	06/09/2019 17:38	WG1293392
1,2-Dichloroethane	ND		1.00	1	06/09/2019 17:38	WG1293392
(S) Toluene-d8	*105*		*80.0-120*		*06/09/2019 17:38*	WG1293392
(S) 4-Bromofluorobenzene	*82.5*		*77.0-126*		*06/09/2019 17:38*	WG1293392
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/09/2019 17:38*	WG1293392

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	520		5.00	5	06/09/2019 17:59	WG1293392
Toluene	5.77		5.00	5	06/09/2019 17:59	WG1293392
Ethylbenzene	ND		5.00	5	06/09/2019 17:59	WG1293392
Total Xylenes	211		15.0	5	06/09/2019 17:59	WG1293392
Methyl tert-butyl ether	27.7		5.00	5	06/09/2019 17:59	WG1293392
Naphthalene	ND		25.0	5	06/09/2019 17:59	WG1293392
1,2-Dichloroethane	ND		5.00	5	06/09/2019 17:59	WG1293392
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2019 17:59*	WG1293392
(S) 4-Bromofluorobenzene	*68.2*	J2	*77.0-126*		*06/09/2019 17:59*	WG1293392
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*06/09/2019 17:59*	WG1293392

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	457		5.00	5	06/09/2019 18:20	WG1293392
Toluene	5.96		5.00	5	06/09/2019 18:20	WG1293392
Ethylbenzene	ND		5.00	5	06/09/2019 18:20	WG1293392
Total Xylenes	178		15.0	5	06/09/2019 18:20	WG1293392
Methyl tert-butyl ether	24.2		5.00	5	06/09/2019 18:20	WG1293392
Naphthalene	ND		25.0	5	06/09/2019 18:20	WG1293392
1,2-Dichloroethane	ND		5.00	5	06/09/2019 18:20	WG1293392
(S) Toluene-d8	*105*		*80.0-120*		*06/09/2019 18:20*	WG1293392
(S) 4-Bromofluorobenzene	*70.0*	J2	*77.0-126*		*06/09/2019 18:20*	WG1293392
(S) 1,2-Dichloroethane-d4	*95.7*		*70.0-130*		*06/09/2019 18:20*	WG1293392

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	06/09/2019 18:49	WG1293455
Toluene	ND		1.00	1	06/09/2019 18:49	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 18:49	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 18:49	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 18:49	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 18:49	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 18:49	WG1293455
(S) Toluene-d8	*95.0*		*80.0-120*		*06/09/2019 18:49*	WG1293455
(S) 4-Bromofluorobenzene	*97.5*		*77.0-126*		*06/09/2019 18:49*	WG1293455
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*06/09/2019 18:49*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1300		10.0	10	06/09/2019 19:10	WG1293455
Toluene	19.5		10.0	10	06/09/2019 19:10	WG1293455
Ethylbenzene	ND		10.0	10	06/09/2019 19:10	WG1293455
Total Xylenes	400		30.0	10	06/09/2019 19:10	WG1293455
Methyl tert-butyl ether	278		10.0	10	06/09/2019 19:10	WG1293455
Naphthalene	ND		50.0	10	06/09/2019 19:10	WG1293455
1,2-Dichloroethane	ND		10.0	10	06/09/2019 19:10	WG1293455
(S) Toluene-d8	*92.7*		*80.0-120*		*06/09/2019 19:10*	WG1293455
(S) 4-Bromofluorobenzene	*96.9*		*77.0-126*		*06/09/2019 19:10*	WG1293455
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*06/09/2019 19:10*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9620		200	200	06/13/2019 18:25	WG1295749
Toluene	30500		200	200	06/13/2019 18:25	WG1295749
Ethylbenzene	2220		200	200	06/13/2019 18:25	WG1295749
Total Xylenes	12800		600	200	06/13/2019 18:25	WG1295749
Methyl tert-butyl ether	54.2		1.00	1	06/09/2019 19:31	WG1293455
Naphthalene	189		5.00	1	06/09/2019 19:31	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 19:31	WG1293455
(S) Toluene-d8	*83.1*		*80.0-120*		*06/09/2019 19:31*	WG1293455
(S) Toluene-d8	*99.6*		*80.0-120*		*06/13/2019 18:25*	WG1295749
(S) 4-Bromofluorobenzene	*96.6*		*77.0-126*		*06/09/2019 19:31*	WG1293455
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*06/13/2019 18:25*	WG1295749
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*06/09/2019 19:31*	WG1293455
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/13/2019 18:25*	WG1295749

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	06/13/2019 18:47	WG1295749
Toluene	ND		1.00	1	06/13/2019 18:47	WG1295749
Ethylbenzene	ND		1.00	1	06/13/2019 18:47	WG1295749
Total Xylenes	ND		3.00	1	06/13/2019 18:47	WG1295749
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 19:52	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 19:52	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 19:52	WG1293455
(S) Toluene-d8	*94.8*		*80.0-120*		*06/09/2019 19:52*	WG1293455
(S) Toluene-d8	*101*		*80.0-120*		*06/13/2019 18:47*	WG1295749
(S) 4-Bromofluorobenzene	*98.4*		*77.0-126*		*06/09/2019 19:52*	WG1293455
(S) 4-Bromofluorobenzene	*89.7*		*77.0-126*		*06/13/2019 18:47*	WG1295749
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*06/09/2019 19:52*	WG1293455
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/13/2019 18:47*	WG1295749

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	88.4		5.00	5	06/09/2019 20:14	WG1293455
Toluene	ND		5.00	5	06/13/2019 19:09	WG1295749
Ethylbenzene	38.0		5.00	5	06/09/2019 20:14	WG1293455
Total Xylenes	15.2		15.0	5	06/13/2019 19:09	WG1295749
Methyl tert-butyl ether	ND		5.00	5	06/09/2019 20:14	WG1293455
Naphthalene	ND		25.0	5	06/09/2019 20:14	WG1293455
1,2-Dichloroethane	ND		5.00	5	06/09/2019 20:14	WG1293455
(S) Toluene-d8	*95.7*		*80.0-120*		*06/09/2019 20:14*	WG1293455
(S) Toluene-d8	*96.6*		*80.0-120*		*06/13/2019 19:09*	WG1295749
(S) 4-Bromofluorobenzene	*96.7*		*77.0-126*		*06/09/2019 20:14*	WG1293455
(S) 4-Bromofluorobenzene	*90.1*		*77.0-126*		*06/13/2019 19:09*	WG1295749
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*06/09/2019 20:14*	WG1293455
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/13/2019 19:09*	WG1295749

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	06/09/2019 20:35	WG1293455
Toluene	ND		1.00	1	06/13/2019 19:30	WG1295749
Ethylbenzene	ND		1.00	1	06/09/2019 20:35	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 20:35	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 20:35	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 20:35	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 20:35	WG1293455
(S) Toluene-d8	*97.5*		*80.0-120*		*06/09/2019 20:35*	WG1293455
(S) Toluene-d8	*101*		*80.0-120*		*06/13/2019 19:30*	WG1295749
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*06/09/2019 20:35*	WG1293455
(S) 4-Bromofluorobenzene	*89.2*		*77.0-126*		*06/13/2019 19:30*	WG1295749
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*06/09/2019 20:35*	WG1293455
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*06/13/2019 19:30*	WG1295749

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	06/09/2019 20:56	WG1293455
Toluene	ND		1.00	1	06/13/2019 19:52	WG1295749
Ethylbenzene	ND		1.00	1	06/09/2019 20:56	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 20:56	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 20:56	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 20:56	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 20:56	WG1293455
(S) Toluene-d8	*97.0*		*80.0-120*		*06/09/2019 20:56*	WG1293455
(S) Toluene-d8	*101*		*80.0-120*		*06/13/2019 19:52*	WG1295749
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*06/09/2019 20:56*	WG1293455
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*06/13/2019 19:52*	WG1295749
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*06/09/2019 20:56*	WG1293455
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/13/2019 19:52*	WG1295749

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	06/09/2019 21:51	WG1293455
Toluene	4.52		1.00	1	06/09/2019 21:51	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 21:51	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 21:51	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 21:51	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 21:51	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 21:51	WG1293455
(S) Toluene-d8	*96.0*		*80.0-120*		*06/09/2019 21:51*	WG1293455
(S) 4-Bromofluorobenzene	*96.5*		*77.0-126*		*06/09/2019 21:51*	WG1293455
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/09/2019 21:51*	WG1293455

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	06/09/2019 22:12	WG1293455
Toluene	ND		1.00	1	06/09/2019 22:12	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 22:12	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 22:12	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 22:12	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 22:12	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 22:12	WG1293455
(S) Toluene-d8	*97.1*		*80.0-120*		*06/09/2019 22:12*	WG1293455
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*06/09/2019 22:12*	WG1293455
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/09/2019 22:12*	WG1293455

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	06/09/2019 22:33	WG1293455
Toluene	ND		1.00	1	06/09/2019 22:33	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 22:33	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 22:33	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 22:33	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 22:33	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 22:33	WG1293455
(S) Toluene-d8	*93.3*		*80.0-120*		*06/09/2019 22:33*	WG1293455
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*06/09/2019 22:33*	WG1293455
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*06/09/2019 22:33*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	590		10.0	10	06/09/2019 22:54	WG1293455
Toluene	1090		10.0	10	06/09/2019 22:54	WG1293455
Ethylbenzene	48.4		10.0	10	06/09/2019 22:54	WG1293455
Total Xylenes	492		30.0	10	06/09/2019 22:54	WG1293455
Methyl tert-butyl ether	98.0		10.0	10	06/09/2019 22:54	WG1293455
Naphthalene	ND		50.0	10	06/09/2019 22:54	WG1293455
1,2-Dichloroethane	ND		10.0	10	06/09/2019 22:54	WG1293455
(S) Toluene-d8	*95.4*		*80.0-120*		*06/09/2019 22:54*	WG1293455
(S) 4-Bromofluorobenzene	*93.1*		*77.0-126*		*06/09/2019 22:54*	WG1293455
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/09/2019 22:54*	WG1293455

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	06/09/2019 23:15	WG1293455
Toluene	ND		1.00	1	06/09/2019 23:15	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 23:15	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 23:15	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 23:15	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 23:15	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 23:15	WG1293455
(S) Toluene-d8	*93.3*		*80.0-120*		*06/09/2019 23:15*	WG1293455
(S) 4-Bromofluorobenzene	*94.7*		*77.0-126*		*06/09/2019 23:15*	WG1293455
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/09/2019 23:15*	WG1293455

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	06/09/2019 23:37	WG1293455
Toluene	ND		1.00	1	06/09/2019 23:37	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 23:37	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 23:37	WG1293455
Methyl tert-butyl ether	47.7		1.00	1	06/09/2019 23:37	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 23:37	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 23:37	WG1293455
(S) Toluene-d8	*94.6*		*80.0-120*		*06/09/2019 23:37*	WG1293455
(S) 4-Bromofluorobenzene	*96.5*		*77.0-126*		*06/09/2019 23:37*	WG1293455
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*06/09/2019 23:37*	WG1293455

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	06/09/2019 23:58	WG1293455
Toluene	ND		1.00	1	06/09/2019 23:58	WG1293455
Ethylbenzene	ND		1.00	1	06/09/2019 23:58	WG1293455
Total Xylenes	ND		3.00	1	06/09/2019 23:58	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 23:58	WG1293455
Naphthalene	ND		5.00	1	06/09/2019 23:58	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/09/2019 23:58	WG1293455
(S) Toluene-d8	*94.0*		*80.0-120*		*06/09/2019 23:58*	WG1293455
(S) 4-Bromofluorobenzene	*96.5*		*77.0-126*		*06/09/2019 23:58*	WG1293455
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*06/09/2019 23:58*	WG1293455

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	06/10/2019 00:20	WG1293455
Toluene	ND		1.00	1	06/10/2019 00:20	WG1293455
Ethylbenzene	ND		1.00	1	06/10/2019 00:20	WG1293455
Total Xylenes	ND		3.00	1	06/10/2019 00:20	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 00:20	WG1293455
Naphthalene	ND		5.00	1	06/10/2019 00:20	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/10/2019 00:20	WG1293455
(S) Toluene-d8	*96.0*		*80.0-120*		*06/10/2019 00:20*	WG1293455
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*06/10/2019 00:20*	WG1293455
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*06/10/2019 00:20*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	7390		200	200	06/10/2019 00:41	WG1293455
Toluene	16600		200	200	06/10/2019 00:41	WG1293455
Ethylbenzene	1220		200	200	06/10/2019 00:41	WG1293455
Total Xylenes	7740		600	200	06/10/2019 00:41	WG1293455
Methyl tert-butyl ether	312		200	200	06/10/2019 00:41	WG1293455
Naphthalene	ND		1000	200	06/10/2019 00:41	WG1293455
1,2-Dichloroethane	ND		200	200	06/10/2019 00:41	WG1293455
(S) Toluene-d8	*94.1*		*80.0-120*		*06/10/2019 00:41*	WG1293455
(S) 4-Bromofluorobenzene	*94.9*		*77.0-126*		*06/10/2019 00:41*	WG1293455
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*06/10/2019 00:41*	WG1293455

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	06/10/2019 01:03	WG1293455
Toluene	ND		1.00	1	06/10/2019 01:03	WG1293455
Ethylbenzene	ND		1.00	1	06/10/2019 01:03	WG1293455
Total Xylenes	ND		3.00	1	06/10/2019 01:03	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 01:03	WG1293455
Naphthalene	ND		5.00	1	06/10/2019 01:03	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/10/2019 01:03	WG1293455
(S) Toluene-d8	*94.4*		*80.0-120*		*06/10/2019 01:03*	WG1293455
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*06/10/2019 01:03*	WG1293455
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*06/10/2019 01:03*	WG1293455

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	06/10/2019 01:24	WG1293455
Toluene	ND		1.00	1	06/10/2019 01:24	WG1293455
Ethylbenzene	ND		1.00	1	06/10/2019 01:24	WG1293455
Total Xylenes	ND		3.00	1	06/10/2019 01:24	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 01:24	WG1293455
Naphthalene	ND		5.00	1	06/10/2019 01:24	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/10/2019 01:24	WG1293455
(S) Toluene-d8	*94.2*		*80.0-120*		*06/10/2019 01:24*	WG1293455
(S) 4-Bromofluorobenzene	*94.2*		*77.0-126*		*06/10/2019 01:24*	WG1293455
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*06/10/2019 01:24*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.82		1.00	1	06/10/2019 01:46	WG1293455
Toluene	ND		1.00	1	06/10/2019 01:46	WG1293455
Ethylbenzene	ND		1.00	1	06/10/2019 01:46	WG1293455
Total Xylenes	ND		3.00	1	06/10/2019 01:46	WG1293455
Methyl tert-butyl ether	1.00		1.00	1	06/10/2019 01:46	WG1293455
Naphthalene	ND		5.00	1	06/10/2019 01:46	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/10/2019 01:46	WG1293455
(S) Toluene-d8	*94.5*		*80.0-120*		*06/10/2019 01:46*	WG1293455
(S) 4-Bromofluorobenzene	*95.5*		*77.0-126*		*06/10/2019 01:46*	WG1293455
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*06/10/2019 01:46*	WG1293455

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.33		1.00	1	06/10/2019 02:07	WG1293455
Toluene	5.04		1.00	1	06/10/2019 02:07	WG1293455
Ethylbenzene	ND		1.00	1	06/10/2019 02:07	WG1293455
Total Xylenes	11.0		3.00	1	06/10/2019 02:07	WG1293455
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 02:07	WG1293455
Naphthalene	ND		5.00	1	06/10/2019 02:07	WG1293455
1,2-Dichloroethane	ND		1.00	1	06/10/2019 02:07	WG1293455
(S) Toluene-d8	*91.0*		*80.0-120*		*06/10/2019 02:07*	WG1293455
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*06/10/2019 02:07*	WG1293455
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*06/10/2019 02:07*	WG1293455

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	06/10/2019 04:16	WG1293457
Toluene	3.59		1.00	1	06/10/2019 04:16	WG1293457
Ethylbenzene	1.85		1.00	1	06/10/2019 04:16	WG1293457
Total Xylenes	14.7		3.00	1	06/10/2019 04:16	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 04:16	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 04:16	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 04:16	WG1293457
(S) Toluene-d8	*95.2*		*80.0-120*		*06/10/2019 04:16*	WG1293457
(S) 4-Bromofluorobenzene	*97.8*		*77.0-126*		*06/10/2019 04:16*	WG1293457
(S) 1,2-Dichloroethane-d4	*118*		*70.0-130*		*06/10/2019 04:16*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6940		200	200	06/10/2019 04:37	WG1293457
Toluene	22500		200	200	06/10/2019 04:37	WG1293457
Ethylbenzene	1660		200	200	06/10/2019 04:37	WG1293457
Total Xylenes	9020		600	200	06/10/2019 04:37	WG1293457
Methyl tert-butyl ether	ND		200	200	06/10/2019 04:37	WG1293457
Naphthalene	ND		1000	200	06/10/2019 04:37	WG1293457
1,2-Dichloroethane	ND		200	200	06/10/2019 04:37	WG1293457
(S) Toluene-d8	*94.0*		*80.0-120*		*06/10/2019 04:37*	WG1293457
(S) 4-Bromofluorobenzene	*96.2*		*77.0-126*		*06/10/2019 04:37*	WG1293457
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*06/10/2019 04:37*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	44.9		5.00	5	06/10/2019 04:59	WG1293457
Toluene	10.7		5.00	5	06/10/2019 04:59	WG1293457
Ethylbenzene	ND		5.00	5	06/10/2019 04:59	WG1293457
Total Xylenes	87.1		15.0	5	06/10/2019 04:59	WG1293457
Methyl tert-butyl ether	16.1		5.00	5	06/10/2019 04:59	WG1293457
Naphthalene	ND		25.0	5	06/10/2019 04:59	WG1293457
1,2-Dichloroethane	ND		5.00	5	06/10/2019 04:59	WG1293457
(S) Toluene-d8	*93.6*		*80.0-120*		*06/10/2019 04:59*	WG1293457
(S) 4-Bromofluorobenzene	*98.3*		*77.0-126*		*06/10/2019 04:59*	WG1293457
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*06/10/2019 04:59*	WG1293457

Sample Narrative:

L1106215-31 WG1293457: Non-target compounds too high to run at a lower dilution.

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	06/10/2019 05:20	WG1293457
Toluene	ND		1.00	1	06/10/2019 05:20	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 05:20	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 05:20	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 05:20	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 05:20	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 05:20	WG1293457
(S) Toluene-d8	*95.2*		*80.0-120*		*06/10/2019 05:20*	WG1293457
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*06/10/2019 05:20*	WG1293457
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*06/10/2019 05:20*	WG1293457

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	06/10/2019 05:41	WG1293457
Toluene	ND		1.00	1	06/10/2019 05:41	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 05:41	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 05:41	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 05:41	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 05:41	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 05:41	WG1293457
(S) Toluene-d8	*93.3*		*80.0-120*		*06/10/2019 05:41*	WG1293457
(S) 4-Bromofluorobenzene	*94.9*		*77.0-126*		*06/10/2019 05:41*	WG1293457
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*06/10/2019 05:41*	WG1293457

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	06/10/2019 06:03	WG1293457
Toluene	ND		1.00	1	06/10/2019 06:03	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 06:03	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 06:03	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 06:03	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 06:03	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 06:03	WG1293457
(S) Toluene-d8	*95.1*		*80.0-120*		*06/10/2019 06:03*	WG1293457
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*06/10/2019 06:03*	WG1293457
(S) 1,2-Dichloroethane-d4	*120*		*70.0-130*		*06/10/2019 06:03*	WG1293457

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	06/10/2019 06:24	WG1293457
Toluene	ND		1.00	1	06/10/2019 06:24	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 06:24	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 06:24	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 06:24	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 06:24	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 06:24	WG1293457
(S) Toluene-d8	*95.7*		*80.0-120*		*06/10/2019 06:24*	WG1293457
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*06/10/2019 06:24*	WG1293457
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*06/10/2019 06:24*	WG1293457

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	06/10/2019 06:45	WG1293457
Toluene	ND		1.00	1	06/10/2019 06:45	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 06:45	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 06:45	WG1293457
Methyl tert-butyl ether	44.1		1.00	1	06/10/2019 06:45	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 06:45	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 06:45	WG1293457
(S) Toluene-d8	*93.0*		*80.0-120*		*06/10/2019 06:45*	WG1293457
(S) 4-Bromofluorobenzene	*95.2*		*77.0-126*		*06/10/2019 06:45*	WG1293457
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*06/10/2019 06:45*	WG1293457

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	06/10/2019 07:06	WG1293457
Toluene	ND		1.00	1	06/10/2019 07:06	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 07:06	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 07:06	WG1293457
Methyl tert-butyl ether	1.45		1.00	1	06/10/2019 07:06	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 07:06	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 07:06	WG1293457
(S) Toluene-d8	*95.3*		*80.0-120*		*06/10/2019 07:06*	WG1293457
(S) 4-Bromofluorobenzene	*97.9*		*77.0-126*		*06/10/2019 07:06*	WG1293457
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*06/10/2019 07:06*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9.13		1.00	1	06/10/2019 07:27	WG1293457
Toluene	1.01		1.00	1	06/10/2019 07:27	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 07:27	WG1293457
Total Xylenes	6.57		3.00	1	06/10/2019 07:27	WG1293457
Methyl tert-butyl ether	17.7		1.00	1	06/10/2019 07:27	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 07:27	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 07:27	WG1293457
(S) Toluene-d8	*92.8*		*80.0-120*		*06/10/2019 07:27*	WG1293457
(S) 4-Bromofluorobenzene	*99.3*		*77.0-126*		*06/10/2019 07:27*	WG1293457
(S) 1,2-Dichloroethane-d4	*125*		*70.0-130*		*06/10/2019 07:27*	WG1293457

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	06/10/2019 07:48	WG1293457
Toluene	ND		1.00	1	06/10/2019 07:48	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 07:48	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 07:48	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 07:48	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 07:48	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 07:48	WG1293457
(S) Toluene-d8	*91.2*		*80.0-120*		*06/10/2019 07:48*	WG1293457
(S) 4-Bromofluorobenzene	*92.9*		*77.0-126*		*06/10/2019 07:48*	WG1293457
(S) 1,2-Dichloroethane-d4	*123*		*70.0-130*		*06/10/2019 07:48*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	35.2		5.00	5	06/10/2019 08:09	WG1293457
Toluene	ND		5.00	5	06/10/2019 08:09	WG1293457
Ethylbenzene	ND		5.00	5	06/10/2019 08:09	WG1293457
Total Xylenes	19.6		15.0	5	06/10/2019 08:09	WG1293457
Methyl tert-butyl ether	ND		5.00	5	06/10/2019 08:09	WG1293457
Naphthalene	ND		25.0	5	06/10/2019 08:09	WG1293457
1,2-Dichloroethane	ND		5.00	5	06/10/2019 08:09	WG1293457
(S) Toluene-d8	*92.0*		*80.0-120*		*06/10/2019 08:09*	WG1293457
(S) 4-Bromofluorobenzene	*94.7*		*77.0-126*		*06/10/2019 08:09*	WG1293457
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*06/10/2019 08:09*	WG1293457

Sample Narrative:

L1106215-40 WG1293457: Non-target compounds too high to run at a lower dilution.

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	195		5.00	5	06/10/2019 08:30	WG1293457
Toluene	302		5.00	5	06/10/2019 08:30	WG1293457
Ethylbenzene	25.3		5.00	5	06/10/2019 08:30	WG1293457
Total Xylenes	194		15.0	5	06/10/2019 08:30	WG1293457
Methyl tert-butyl ether	140		5.00	5	06/10/2019 08:30	WG1293457
Naphthalene	ND		25.0	5	06/10/2019 08:30	WG1293457
1,2-Dichloroethane	ND		5.00	5	06/10/2019 08:30	WG1293457
(S) Toluene-d8	*94.7*		*80.0-120*		*06/10/2019 08:30*	WG1293457
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*06/10/2019 08:30*	WG1293457
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*06/10/2019 08:30*	WG1293457

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	06/10/2019 08:51	WG1293457
Toluene	ND		1.00	1	06/10/2019 08:51	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 08:51	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 08:51	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 08:51	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 08:51	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 08:51	WG1293457
(S) Toluene-d8	*93.2*		*80.0-120*		*06/10/2019 08:51*	WG1293457
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*06/10/2019 08:51*	WG1293457
(S) 1,2-Dichloroethane-d4	*125*		*70.0-130*		*06/10/2019 08:51*	WG1293457

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	06/10/2019 09:12	WG1293457
Toluene	ND		1.00	1	06/10/2019 09:12	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 09:12	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 09:12	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 09:12	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 09:12	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 09:12	WG1293457
(S) Toluene-d8	*94.7*		*80.0-120*		*06/10/2019 09:12*	WG1293457
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*		*06/10/2019 09:12*	WG1293457
(S) 1,2-Dichloroethane-d4	*124*		*70.0-130*		*06/10/2019 09:12*	WG1293457

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	06/10/2019 09:33	WG1293457
Toluene	ND		1.00	1	06/10/2019 09:33	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 09:33	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 09:33	WG1293457
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 09:33	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 09:33	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 09:33	WG1293457
(S) Toluene-d8	*93.9*		*80.0-120*		*06/10/2019 09:33*	WG1293457
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*06/10/2019 09:33*	WG1293457
(S) 1,2-Dichloroethane-d4	*125*		*70.0-130*		*06/10/2019 09:33*	WG1293457

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	06/10/2019 09:54	WG1293457
Toluene	ND		1.00	1	06/10/2019 09:54	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 09:54	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 09:54	WG1293457
Methyl tert-butyl ether	1.81		1.00	1	06/10/2019 09:54	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 09:54	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 09:54	WG1293457
(S) Toluene-d8	*93.9*		*80.0-120*		*06/10/2019 09:54*	WG1293457
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*06/10/2019 09:54*	WG1293457
(S) 1,2-Dichloroethane-d4	*127*		*70.0-130*		*06/10/2019 09:54*	WG1293457

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	06/10/2019 10:15	WG1293457
Toluene	ND		1.00	1	06/10/2019 10:15	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 10:15	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 10:15	WG1293457
Methyl tert-butyl ether	156		1.00	1	06/10/2019 10:15	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 10:15	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 10:15	WG1293457
(S) Toluene-d8	*92.1*		*80.0-120*		*06/10/2019 10:15*	WG1293457
(S) 4-Bromofluorobenzene	*97.4*		*77.0-126*		*06/10/2019 10:15*	WG1293457
(S) 1,2-Dichloroethane-d4	*131*	J1	*70.0-130*		*06/10/2019 10:15*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	36.6		5.00	5	06/10/2019 10:36	WG1293457
Toluene	ND		5.00	5	06/10/2019 10:36	WG1293457
Ethylbenzene	ND		5.00	5	06/10/2019 10:36	WG1293457
Total Xylenes	ND		15.0	5	06/10/2019 10:36	WG1293457
Methyl tert-butyl ether	148		5.00	5	06/10/2019 10:36	WG1293457
Naphthalene	ND		25.0	5	06/10/2019 10:36	WG1293457
1,2-Dichloroethane	ND		5.00	5	06/10/2019 10:36	WG1293457
(S) Toluene-d8	*93.6*		*80.0-120*		*06/10/2019 10:36*	WG1293457
(S) 4-Bromofluorobenzene	*96.7*		*77.0-126*		*06/10/2019 10:36*	WG1293457
(S) 1,2-Dichloroethane-d4	*126*		*70.0-130*		*06/10/2019 10:36*	WG1293457

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.03		1.00	1	06/10/2019 10:57	WG1293457
Toluene	ND		1.00	1	06/10/2019 10:57	WG1293457
Ethylbenzene	ND		1.00	1	06/10/2019 10:57	WG1293457
Total Xylenes	ND		3.00	1	06/10/2019 10:57	WG1293457
Methyl tert-butyl ether	4.33		1.00	1	06/10/2019 10:57	WG1293457
Naphthalene	ND		5.00	1	06/10/2019 10:57	WG1293457
1,2-Dichloroethane	ND		1.00	1	06/10/2019 10:57	WG1293457
(S) Toluene-d8	*93.3*		*80.0-120*		*06/10/2019 10:57*	WG1293457
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*06/10/2019 10:57*	WG1293457
(S) 1,2-Dichloroethane-d4	*129*		*70.0-130*		*06/10/2019 10:57*	WG1293457

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	06/10/2019 00:37	WG1293482
Toluene	ND		1.00	1	06/10/2019 00:37	WG1293482
Ethylbenzene	ND		1.00	1	06/10/2019 00:37	WG1293482
Total Xylenes	ND		3.00	1	06/10/2019 00:37	WG1293482
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 00:37	WG1293482
Naphthalene	ND		5.00	1	06/10/2019 00:37	WG1293482
1,2-Dichloroethane	ND		1.00	1	06/10/2019 00:37	WG1293482
(S) Toluene-d8	*96.2*		*80.0-120*		*06/10/2019 00:37*	WG1293482
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*06/10/2019 00:37*	WG1293482
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/10/2019 00:37*	WG1293482

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	06/10/2019 00:58	WG1293482
Toluene	ND		1.00	1	06/10/2019 00:58	WG1293482
Ethylbenzene	ND		1.00	1	06/10/2019 00:58	WG1293482
Total Xylenes	ND		3.00	1	06/10/2019 00:58	WG1293482
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 00:58	WG1293482
Naphthalene	ND		5.00	1	06/10/2019 00:58	WG1293482
1,2-Dichloroethane	ND		1.00	1	06/10/2019 00:58	WG1293482
(S) Toluene-d8	*95.6*		*80.0-120*		*06/10/2019 00:58*	WG1293482
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*06/10/2019 00:58*	WG1293482
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/10/2019 00:58*	WG1293482

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	950		100	100	06/13/2019 00:35	WG1295160
Toluene	ND		100	100	06/13/2019 00:35	WG1295160
Ethylbenzene	ND		100	100	06/13/2019 00:35	WG1295160
Total Xylenes	ND		300	100	06/13/2019 00:35	WG1295160
Methyl tert-butyl ether	118		100	100	06/13/2019 00:35	WG1295160
Naphthalene	ND		500	100	06/13/2019 00:35	WG1295160
1,2-Dichloroethane	ND		100	100	06/13/2019 00:35	WG1295160
(S) Toluene-d8	*100*		*80.0-120*		*06/13/2019 00:35*	WG1295160
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*06/13/2019 00:35*	WG1295160
(S) 1,2-Dichloroethane-d4	*85.0*		*70.0-130*		*06/13/2019 00:35*	WG1295160

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	06/10/2019 01:38	WG1293482
Toluene	ND		1.00	1	06/10/2019 01:38	WG1293482
Ethylbenzene	ND		1.00	1	06/10/2019 01:38	WG1293482
Total Xylenes	ND		3.00	1	06/10/2019 01:38	WG1293482
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 01:38	WG1293482
Naphthalene	ND		5.00	1	06/10/2019 01:38	WG1293482
1,2-Dichloroethane	ND		1.00	1	06/10/2019 01:38	WG1293482
(S) Toluene-d8	*95.9*		*80.0-120*		*06/10/2019 01:38*	WG1293482
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*06/10/2019 01:38*	WG1293482
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*06/10/2019 01:38*	WG1293482

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	06/10/2019 01:58	WG1293482
Toluene	ND		1.00	1	06/10/2019 01:58	WG1293482
Ethylbenzene	ND		1.00	1	06/10/2019 01:58	WG1293482
Total Xylenes	ND		3.00	1	06/10/2019 01:58	WG1293482
Methyl tert-butyl ether	ND		1.00	1	06/10/2019 01:58	WG1293482
Naphthalene	ND		5.00	1	06/10/2019 01:58	WG1293482
1,2-Dichloroethane	ND		1.00	1	06/10/2019 01:58	WG1293482
(S) Toluene-d8	*94.9*		*80.0-120*		*06/10/2019 01:58*	WG1293482
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*06/10/2019 01:58*	WG1293482
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*06/10/2019 01:58*	WG1293482

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	06/09/2019 21:16	WG1293482
Toluene	ND		1.00	1	06/09/2019 21:16	WG1293482
Ethylbenzene	ND		1.00	1	06/09/2019 21:16	WG1293482
Total Xylenes	ND		3.00	1	06/09/2019 21:16	WG1293482
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 21:16	WG1293482
Naphthalene	ND		5.00	1	06/09/2019 21:16	WG1293482
1,2-Dichloroethane	ND		1.00	1	06/09/2019 21:16	WG1293482
(S) Toluene-d8	*95.0*		*80.0-120*		*06/09/2019 21:16*	WG1293482
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*06/09/2019 21:16*	WG1293482
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*06/09/2019 21:16*	WG1293482

Method Blank (MB)

(MB) R3419852-2 06/09/19 11:08

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	*81.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3419852-1 06/09/19 10:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.9	95.5	70.0-130	
1,2-Dichloroethane	25.0	24.0	96.1	70.0-130	
Ethylbenzene	25.0	23.5	94.2	70.0-130	
Methyl tert-butyl ether	25.0	23.8	95.0	70.0-130	
Naphthalene	25.0	30.1	121	70.0-130	
Toluene	25.0	20.0	80.1	70.0-130	
Xylenes, Total	75.0	59.6	79.5	70.0-130	
(S) Toluene-d8			*91.3*	*80.0-120*	
(S) 4-Bromofluorobenzene			*109*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3420769-2 06/09/19 18:28

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	*93.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3420769-1 06/09/19 17:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.2	96.8	70.0-130	
1,2-Dichloroethane	25.0	31.3	125	70.0-130	
Ethylbenzene	25.0	24.2	97.0	70.0-130	
Methyl tert-butyl ether	25.0	27.7	111	70.0-130	
Naphthalene	25.0	26.6	107	70.0-130	
Toluene	25.0	22.4	89.7	70.0-130	
Xylenes, Total	75.0	71.9	95.9	70.0-130	
(S) Toluene-d8			*92.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*129*	*70.0-130*	

Method Blank (MB)

(MB) R3420770-2 06/10/19 03:54

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	*94.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3420770-1 06/10/19 03:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.9	95.4	70.0-130	
1,2-Dichloroethane	25.0	29.4	118	70.0-130	
Ethylbenzene	25.0	24.2	96.9	70.0-130	
Methyl tert-butyl ether	25.0	26.7	107	70.0-130	
Naphthalene	25.0	23.5	93.9	70.0-130	
Toluene	25.0	22.6	90.3	70.0-130	
Xylenes, Total	75.0	71.1	94.8	70.0-130	
(S) Toluene-d8			*93.5*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*121*	*70.0-130*	

Method Blank (MB)

(MB) R3420464-3 06/09/19 20:55

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	*97.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R3420464-1 06/09/19 19:55 • (LCSD) R3420464-2 06/09/19 20:15

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	25.0	25.5	25.8	102	103	70.0-130			1.23	20
1,2-Dichloroethane	25.0	27.1	27.0	108	108	70.0-130			0.339	20
Ethylbenzene	25.0	24.9	25.0	99.7	99.8	70.0-130			0.111	20
Naphthalene	25.0	23.0	25.8	92.2	103	70.0-130			11.3	20
Toluene	25.0	22.3	23.0	89.3	91.9	70.0-130			2.82	20
Methyl tert-butyl ether	25.0	25.8	25.2	103	101	70.0-130			2.35	20
Xylenes, Total	75.0	73.6	75.7	98.1	101	70.0-130			2.81	20
(S) Toluene-d8				*95.8*	*95.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R3419969-3 06/11/19 11:10

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	*97.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*83.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

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

(LCS) R3419969-1 06/11/19 09:28 • (LCSD) R3419969-2 06/11/19 09:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	25.4	25.7	102	103	70.0-130			1.05	20
1,2-Dichloroethane	25.0	24.5	24.5	97.9	98.0	70.0-130			0.0205	20
Ethylbenzene	25.0	24.2	23.5	96.6	94.0	70.0-130			2.76	20
Methyl tert-butyl ether	25.0	24.8	27.0	99.1	108	70.0-130			8.55	20
Naphthalene	25.0	20.1	21.8	80.3	87.2	70.0-130			8.21	20
Toluene	25.0	24.0	24.2	96.0	96.8	70.0-130			0.834	20
Xylenes, Total	75.0	69.7	71.5	92.9	95.3	70.0-130			2.55	20
(S) Toluene-d8				*95.5*	*92.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*78.9*	*80.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R3420841-4 06/12/19 23:16

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	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.1*			*70.0-130*

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

(LCS) R3420841-1 06/12/19 21:38 • (LCSD) R3420841-2 06/12/19 21:57

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	25.0	25.7	27.4	103	110	70.0-130			6.54	20
1,2-Dichloroethane	25.0	22.8	23.9	91.2	95.5	70.0-130			4.59	20
Ethylbenzene	25.0	27.4	30.2	110	121	70.0-130			9.67	20
Methyl tert-butyl ether	25.0	25.4	26.9	102	108	70.0-130			5.69	20
Naphthalene	25.0	23.1	27.2	92.5	109	70.0-130			16.1	20
Toluene	25.0	25.7	28.5	103	114	70.0-130			10.3	20
Xylenes, Total	75.0	78.6	85.9	105	115	70.0-130			8.88	20
(S) Toluene-d8				*96.7*	*98.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.2*	*98.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*99.1*	*70.0-130*				

Method Blank (MB)

(MB) R3420948-2 06/13/19 14:20

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
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3420948-1 06/13/19 13:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	26.2	105	70.0-130	
Ethylbenzene	25.0	24.7	98.6	70.0-130	
Toluene	25.0	22.4	89.6	70.0-130	
Xylenes, Total	75.0	74.0	98.7	70.0-130	
(S) Toluene-d8			*91.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*88.2*	*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.

Abbreviations and Definitions

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

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower 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

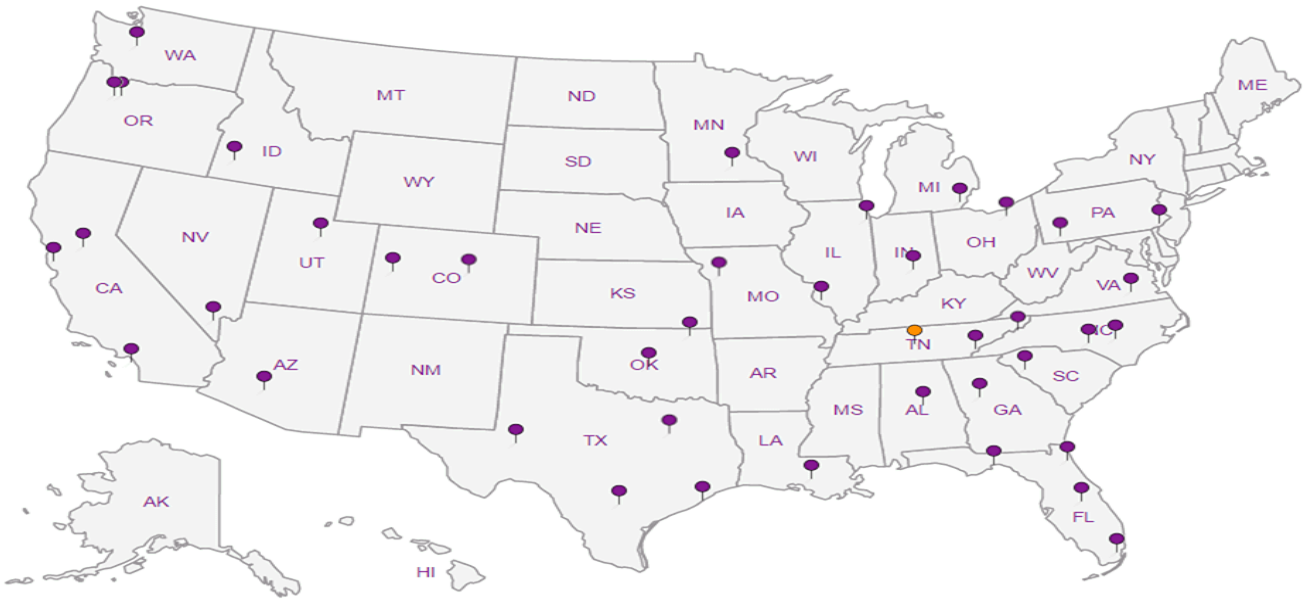
Third Party Federal Accreditations

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

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 # D3161400.B.PN.GEN.LDDMR, GW

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

Pres Chk

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)
[redacted]-MW-29-060519	GRAB	GW	N/A	06/05/19	0815	3	X			-01
[redacted]-TB02-060519		GW			0800	1	X	X	TRIP BLANK	-02
[redacted]-MW-19-060519		GW			0830	3	X		NEEDS DILUTION	-03
[redacted]-MW-20-060519		GW			0835	3	X		NEEDS DILUTION	-04
[redacted]-MW-26-060519		GW			0845	3	X			-05
[redacted]-MW-26B-060519		GW			0850	3	X			-06
[redacted]-MW-23-060519		GW			0905	3	X			-07
[redacted]-MW-23-D-060519		GW			0906	3	X			-08
[redacted]-MW-23B-060519		GW			0915	3	X			-09
[redacted]-MW-46-060519		GW			0920	3	X			-10

* 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 # 1023 1355 5059 / 5060

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)
	06/05/19	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			B Maxwell

Trip Blank Received: Yes / No (HCL / MeoH / TBR)
2

Temp: .7-.8 °C
Bottles Received: 15

Date: 6/6/19 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 1 of 6

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# 1106215

E097

Acctnum: KINCH2MGA
Template: T150982
Prelogin: P711547
TSR: 526 - Chris McCord
PB:

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

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 # 60316400.B.PN.GEN.LDGWL GW

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

Chain of Custody Page 2 of 6

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# 1106215

Table #

Acctnum: **KINCH2MGA**
Template: **T150982**
Prelogin: **P711547**
TSR: **526 - Chris McCord**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
[redacted]-MW-11-D-060519	GRAB	GW	NA	06/05/19	1311	3	X	X		NEEDS DILUTION	-11
[redacted]-MW-12-060519		GW			1325	3	X	X			-12
[redacted]-MW-12B-060519		GW			1330	3	X	X			-13
[redacted]-MW-28-060519		GW			1345	3	X	X			-14
[redacted]-MW-49-060519		GW			1350	3	X	X			-15
[redacted]-MW-35-060519		GW			1400	3	X	X			-16
[redacted]-MW-25-060519		GW			1435	3	X	X			-17
[redacted]-MW-25B-060519		GW			1440	3	X	X			-18
[redacted]-MW-15B-060519		GW			1450	3	X	X			-19
[redacted]-MW-37-060519		GW			1500	3	X	X			-20

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP 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
	06/05/19	1730		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: .7+1.1=.8 15 5x 156	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) B Maxwell	Date: 6/6/19 Time: 0845	Hold: Condition: NCF / OK

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: Y	Chain of Custody Page 3 of 6 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		L# 1106215
Project Description: **Lewis Drive Groundwater**	City/State Collected: BELTON, SC		Table #
Phone: **770-604-9182** Fax:	Client Project # D3161400.B.PN.GEN.100HL GW	Lab Project # KINCH2MGA-LEWIS12	Acctnum: **KINCH2MGA**
Collected by (print): MELISSA WARREN	Site/Facility ID # LEWIS DRIVE	P.O. #	Template: **T150982** Prelogin: **P711547** 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**

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)
[redacted]- MW-45-060519	GRAB	GW	NA	06/05/19	0930	3	X											-21
[redacted]- MW-45B-060519	↓	GW	↓	↓	0935	3	X											-22
[redacted]- MW-21-060519		GW			1005	3	X											-23
[redacted]- MW-17B-060519		GW			1015	3	X											-24
[redacted]- FB02-060519		GW			1055	3	X											-25
[redacted]- MW-01-060519		GW			1240	3	X											-26
[redacted]- MW-01B-060519		GW			1245	3	X											-27
[redacted]- MW-27-060519		GW			1255	3	X											-28
[redacted]- MW-27B-060519		GW			1300	3	X											-29
[redacted]- MW-11-060519	↓	GW	↓	↓	1310	3	X										NEEDS DILUTION	-30

* Matrix: **SS** - Soil **AIR** - Air **F** - Filter **GW** - Groundwater **B** - Bioassay **WW** - WasteWater **DW** - Drinking Water **OT** - Other______	Remarks: Samples returned via: ✓ UPS __ FedEx __ Courier __ ____	pH ____ Temp ____ Flow ____ Other ____ 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:		
[signature]	06/05/19	1730		(Yes) / No 2 HCL / MeOH TBR		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: .7+.1=.8 °C	Bottles Received: 156	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) B Maxwell	Date: 6/6/19	Time: 0845	Hold: Condition: NCF / OK

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: bgarvey@jacobs.com; tom.wiley@jacobs.com

Project Description: Lewis Drive Groundwater

City/State Collected: Belton, SC

Phone: 770-604-9182
Fax:

Client Project # D3161400.B.PN.CEN.LDONR GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): A. Dennis, J. Morgan

Site/Facility ID # Lewis Drive

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: Y

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-Trip Blan 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-17-060519	G	GW		6-5-19	0805	3	X			-31
MW-22-060519		GW			0920	3	X			-32
MW-47-060519					1005	3	X			-33
MW-31-060519					1015	3	X			-34
MW-33T-060519					1025	3	X			-35
MW-50B-060519					1040	3	X			-36
MW-48B-060519					1055	3	X			-37
MW-44B-060519					1240	3	X			-38
MW-14-060519					1255	3	X			-39
MW-13-060519	↓	↓		↓	1310	3	X			-40

* 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 #

Chain of Custody Page 4 of 6

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# 1106215

Table #

Acctnum: KINCH2MGA
Template: T122208
Prelogin: P664759
TSR: 526 - Chris McCord
PB: TB 7-30-19

Shipped Via: FedEx Ground

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/h

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	06/05/19	1780		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C .7 1.1 .8 4.5 5.2	Bottles Received: 156
	06/03/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/6/19	Time: 0845
			B Maxwell		Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA	Billing Information:	Pres Chk	Analysis / Container / Preservative	Chain of Custody Page 5 of 6
6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328	Accounts Payable 1000 Windward Concourse Ste 450 Alpharetta, GA 30005	✓		Pace Analytical® National Center for Testing & Innovation
Report to: **Bethany Garvey**	Email To: bethany.garvey@jacobs.com; tom.wiley@jacobs.com			12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859
Project Description: **Lewis Drive Groundwater**	City/State Collected: BELTON, SC			
Phone: **770-604-9182** Fax:	Client Project #: D3161400.B.PN.LEN.LDOMACW	Lab Project #: **KINCH2MGA-LEWIS12**		L# 1106215
Collected by (print): A. DENNIS / J. MORGAN	Site/Facility ID #: LEWIS DRIVE	P.O. #		Table #
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		Acctnum: **KINCH2MGA** Template: **T150982** Prelogin: **P711547** TSR: **526 - Chris McCord** PB: Shipped Via: **FedEX Ground**
Immediately Packed on Ice N ___ Y ✓				

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk									Remarks	Sample # (lab only)
[redacted]- MW-13B-060519	G	GW	—	06-05-19	1315	3	X											-41
[redacted]- MW-42-060519	↓	GW	—		1340	~~3~~ 2 BM 6/6/19	X											-42
[redacted]- MW-41-060519		GW	—		1350	3	X											-43
[redacted]- MW-41-D-060519		GW	—		1351	3	X											-44
[redacted]- MW-40-060519		GW	—		1405	3	X											-45
[redacted]- MW-39-060519		GW	—		1415	3	X											-46
[redacted]- MW-34-060519		GW	—		1425	3	X											-47
[redacted] MW-15-060519		GW	—		1440	3	X											-48
[redacted]- MW-43B-060519		GW	—		1515	3	X											-49
[redacted]- MW-43-060519	↓	GW	—	↓	1520	3	X											-50

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

Remarks:

pH _______ Temp _______

Flow _______ Other _______

Samples returned via:
__ UPS __ FedEx __ Courier __ ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __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 2	
[signature]	06/05/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C .7+.1= .8 AS SR / Bottles Received: 156	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) B Maxwell	Date: 6/6/19 Time: 0845	Hold: / Condition: (NCF) / OK

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 # D3161400.B.PN.GEN. LDOMREM

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): A. OENNIS / J. MORGAN

Site/Facility ID # LEWIS DRIVE

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	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
[redacted]- MW-38-060519	GRAB	GW	NA	06/05/19	1510	3	X			-51
[redacted]- MW-24-060519		GW			1530	3	X			-52
[redacted]- MW-24B-060519		GW			1540	3	X			-53
[redacted]- TB03-060519		GW			1600	~~18~~ 17	~~X~~	X		-54
[redacted]-		GW				3	X			
[redacted]-		GW				3	X			
[redacted]-		GW				3	X			
[redacted]-		GW				3	X			
[redacted]-		GW				3	X			
[redacted]-		GW				3	X			

Chain of Custody Page 6 of 6

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# 1106215

Table #

Acctnum: KINCH2MGA
Template: T150982
Prelogin: P711547
TSR: 526 - Chris McCord
PB:

Shipped Via: FedEX Ground

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

Remarks:

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/h

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	06/05/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: .7+1=1.8 °C Bottles Received: 156	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) B Maxwell	Date: 6/6/19 Time: 0845	Hold: Condition: NCF / OK

Alexandra S. Murtaugh

Pace Analytical®
National Center for Testing & Innovation

Login #:L1106215	Client:KINCH2MGA	Date:06/06/19	Evaluated by:AM

Non-Conformance (check applicable items)

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

Login Comments: Received 1 of 3 vials broken for ID MW-42

Client informed by:		Call		Email		Voice Mail		Date:6/7/19	Time:08:45
TSR Initials:CM	Client Contact:								

Login Instructions:

Run from remaining containers.

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 20, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1106708
Samples Received:	06/07/2019
Project Number:	03161400.B.PN.GEN.LD
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

FB03-060619 L1106708-01 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 09:05
Received date/time: 06/07/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1293844	1	06/19/19 14:49	06/19/19 14:49	CBM	Ormond Beach, FL 32174

AW-33920317-060619 L1106708-02 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 10:30
Received date/time: 06/07/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1293844	1	06/19/19 14:49	06/19/19 14:49	CBM	Ormond Beach, FL 32174

AW-528-060619 L1106708-03 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 10:05
Received date/time: 06/07/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1293844	1	06/19/19 14:49	06/19/19 14:49	CBM	Ormond Beach, FL 32174

TB04-060619 L1106708-04 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 08:30
Received date/time: 06/07/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG1293844	1	06/19/19 14:49	06/19/19 14:49	CBM	Ormond Beach, FL 32174

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

Project Narrative

L1106708 -01, -02, -03, -04 contains subout data that is included after the chain of custody.

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.

Abbreviations and Definitions

SDG	Sample Delivery Group.
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

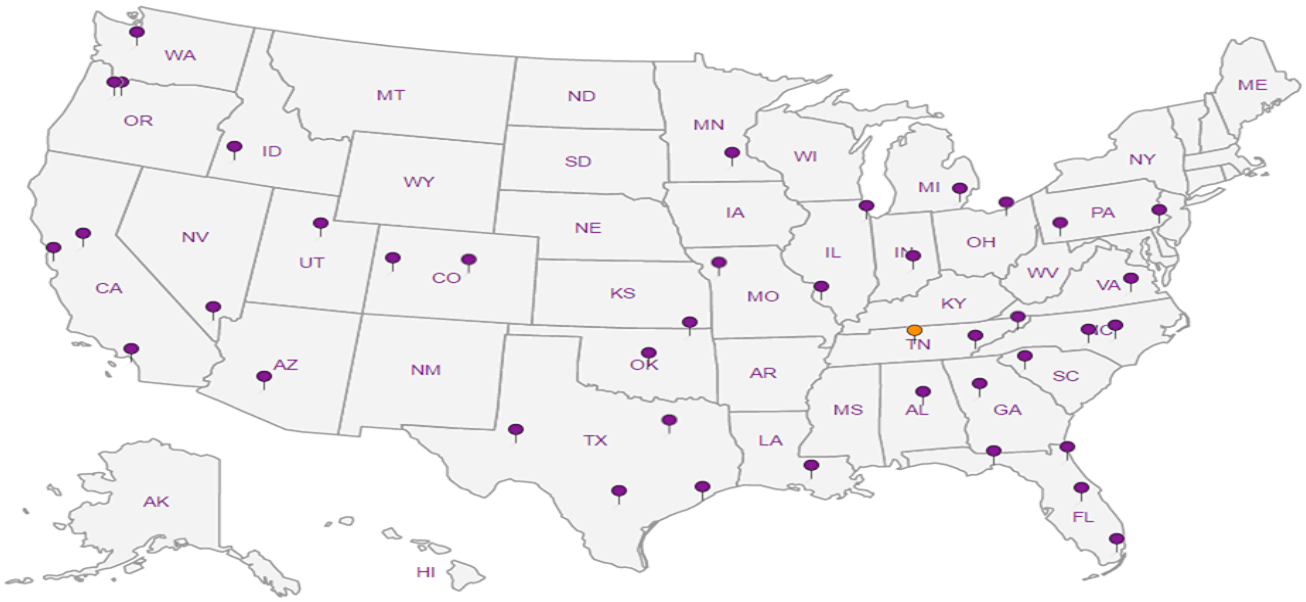
Third Party Federal Accreditations

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.



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

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 #: D3161400.B.PN.GEN.LDGWMR.GW

Lab Project #: KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

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 ✓

L# L1166708
I180

Acctnum: KINCH2MGA
Template: T131319
Prelogin: P708636
TSR: 526 - Chris McCord
PB: 5-9-19 [initials]
Shipped Via: FedEX Standard

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)
FB03-060619	GRAB	GW	NA	06/06/19	0905	3	X			-01
AW-33920317-060619	GRAB	GW	NA	06/06/19	1030	3	X			02
AW-528-060619	GRAB	GW	NA	06/06/19	1005	3	X			03
~~ ~~		~~GW~~				~~3~~	~~X~~			
TB04-060619	GRAB	GW	NA	06/06/19	0830	1 ~~3~~		X	TRIP BLANK	04

RAD SCREEN: <0.5 mR/hr

* 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 # 1023 1355 6320

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)	
[signature]	06/06/19	1300		Trip Blank Received: (Yes) / No; (HCl) / MeoH; TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.9±0=0.9 °C; Bottles Received: 9 + TB
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 6/7/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 18, 2019

Benita Miller
Pace Analytical National
12065 Lebanon Rd
Mount Juliet, TN 37122

RE: Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Dear Benita Miller:
Enclosed are the analytical results for sample(s) received by the laboratory on June 11, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brad Smith
brad.smith@pacelabs.com
(386) 672-5668
Project Manager

Enclosures

cc: Project Manager, ESC Lab Sciences

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35474039001	**FB03-060619**	EPA 524.2	JLR	10	PASI-O
35474039002	**AW-33920317-060619**	EPA 524.2	JLR	10	PASI-O
35474039003	**AW-528-060619**	EPA 524.2	JLR	10	PASI-O
35474039004	**TB04-060619**	EPA 524.2	JLR	10	PASI-O

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Sample: FB03-060619 **Lab ID: 35474039001** Collected: 06/06/19 09:05 Received: 06/11/19 10:40 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		06/18/19 01:07	71-43-2	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/18/19 01:07	75-34-3	
Ethylbenzene	ND	ug/L	0.50	1		06/18/19 01:07	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/18/19 01:07	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		06/18/19 01:07	91-20-3	
Toluene	ND	ug/L	0.50	1		06/18/19 01:07	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		06/18/19 01:07	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/18/19 01:07	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		06/18/19 01:07	2037-26-5	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		06/18/19 01:07	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Sample: AW-33920317-060619 **Lab ID: 35474039002** Collected: 06/06/19 10:30 Received: 06/11/19 10:40 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		06/18/19 01:31	71-43-2	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/18/19 01:31	75-34-3	
Ethylbenzene	ND	ug/L	0.50	1		06/18/19 01:31	100-41-4	
Methyl-tert-butyl ether	**0.88**	ug/L	0.50	1		06/18/19 01:31	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		06/18/19 01:31	91-20-3	
Toluene	ND	ug/L	0.50	1		06/18/19 01:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		06/18/19 01:31	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		06/18/19 01:31	460-00-4	
Toluene-d8 (S)	101	%	70-130	1		06/18/19 01:31	2037-26-5	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		06/18/19 01:31	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Sample: AW-528-060619 **Lab ID: 35474039003** Collected: 06/06/19 10:05 Received: 06/11/19 10:40 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		06/18/19 01:55	71-43-2	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/18/19 01:55	75-34-3	
Ethylbenzene	ND	ug/L	0.50	1		06/18/19 01:55	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/18/19 01:55	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		06/18/19 01:55	91-20-3	
Toluene	ND	ug/L	0.50	1		06/18/19 01:55	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		06/18/19 01:55	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		06/18/19 01:55	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		06/18/19 01:55	2037-26-5	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		06/18/19 01:55	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Sample: TB04-060619 **Lab ID: 35474039004** Collected: 06/06/19 08:30 Received: 06/11/19 10:40 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		06/18/19 02:19	71-43-2	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/18/19 02:19	75-34-3	
Ethylbenzene	ND	ug/L	0.50	1		06/18/19 02:19	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/18/19 02:19	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		06/18/19 02:19	91-20-3	
Toluene	ND	ug/L	0.50	1		06/18/19 02:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		06/18/19 02:19	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		06/18/19 02:19	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		06/18/19 02:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		06/18/19 02:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

QC Batch: 547072 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 35474039001, 35474039002, 35474039003, 35474039004

METHOD BLANK: 2964602 Matrix: Water
Associated Lab Samples: 35474039001, 35474039002, 35474039003, 35474039004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/L	ND	0.50	06/18/19 00:43	
Benzene	ug/L	ND	0.50	06/18/19 00:43	
Ethylbenzene	ug/L	ND	0.50	06/18/19 00:43	
Methyl-tert-butyl ether	ug/L	ND	0.50	06/18/19 00:43	
Naphthalene	ug/L	ND	0.50	06/18/19 00:43	
Toluene	ug/L	ND	0.50	06/18/19 00:43	
Xylene (Total)	ug/L	ND	1.0	06/18/19 00:43	
1,2-Dichloroethane-d4 (S)	%	108	70-130	06/18/19 00:43	
4-Bromofluorobenzene (S)	%	96	70-130	06/18/19 00:43	
Toluene-d8 (S)	%	102	70-130	06/18/19 00:43	

LABORATORY CONTROL SAMPLE & LCSD: 2964603 2964604

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/L	20	19.2	18.7	96	94	70-130	2	20	
Benzene	ug/L	20	18.5	18.2	92	91	70-130	2	20	
Ethylbenzene	ug/L	20	18.2	18.8	91	94	70-130	3	20	
Methyl-tert-butyl ether	ug/L	20	18.6	18.3	93	91	70-130	2	20	
Naphthalene	ug/L	20	16.7	17.6	84	88	70-130	5	20	
Toluene	ug/L	20	17.4	18.2	87	91	70-130	5	20	
Xylene (Total)	ug/L	60	55.5	57.5	93	96	70-130	4	20	
1,2-Dichloroethane-d4 (S)	%				108	105	70-130			
4-Bromofluorobenzene (S)	%				96	100	70-130			
Toluene-d8 (S)	%				102	101	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WG1293844 Lewis Drive Groundwa
Pace Project No.: 35474039

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35474039001	**FB03-060619**	EPA 524.2	547072		
35474039002	**AW-33920317-060619**	EPA 524.2	547072		
35474039003	**AW-528-060619**	EPA 524.2	547072		
35474039004	**TB04-060619**	EPA 524.2	547072		

WO# : 35474039

35474039

lytical Request Document

ENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project I...			
Company:	Pace Analytical National	Report To:	Pace Analytical National Subout Team	Attention:	Bethany Garvey
Address:	12065 Lebanon Road	Copy To:		Company Name:	
Mount Juliet, TN 37122				Address:	
Email:	SuboutTeam@pacenational.com	Purchase Order #:	L1106708	Pace Quote:	
Phone:	(615)773-9756 Fax (615)758-5859	Project Name:	Lewis Drive Groundwater	Pace Project Manager:	Brad Smith
Requested Due Date:	14-Jun	Project #:	03161400.B.PN.GEN.LD	Pace Profile #:	38076

Regulatory Agency
State / Location
SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2-Dichloroethane	Residual Chlorine (Y/N)
	MATRIX: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS																	Requested Analysis Filtered (Y/N)								
1	FB03-060619	WT				06-Jun	9:05		1								1		X	X	X	X	X	X	X	
2	AW-33920317-060619	WT				06-Jun	10:30		1								1		X	X	X	X	X	X	X	
3	AW-528-060619	WT				06-Jun	10:05		1								1		X	X	X	X	X	X	X	
4	TB04-060619	WT				06-Jun	8:30		1								1		X	X	X	X	X	X	X	
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Benita Miller BM	10-Jun	15:52	BB / Pace	6.11.19	1040	
Pace Analytical National Batch: WG1293844							
Pace Analytical National SDGs: L1106708							
Location: Ormond Beach, FL 32174							

REPORT only Benzene, Toluene, Ethylbenzene, Total Xylenes, MTBE, Naphthalene and 1,2-Dichloroethane

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed:					

PaceOBFL

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt (SCUR)

WO#: 35474039

PM: BTS Due Date: 06/20/19

CLIENT: PACESC

Project #

Project Manager:

Client:

Date and Initials of person:
Examining contents: BBB
Label:
Deliver:
pH:

Thermometer Used: T353 Date: 6.11.17 Time: 1813 Initials: BBB

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	1.8 (Visual)	+.1 (Correction Factor)	1.9 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority ☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # 1082 5980 2740

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue Dry None

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (if Yes, complete) Shorted Date: Shorted Time: Qty:

		Comments:
Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☐ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☑ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☑ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-171302-1
Client Project/Site: Lewis Drive_Private Well Sampling

For:
CH2M Hill, Inc.
3120 Highwoods Blvd
Ste 214
Raleigh, North Carolina 27604

Attn: William Waldron

Carol M Webb

Authorized for release by:
6/21/2019 12:34:37 PM

Carol Webb, Project Manager II
(850)471-6250
carol.webb@testamericainc.com

Table of Contents

Case Narrative

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Job ID: 400-171302-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-171302-1

Comments
COC indicated Method 8260. Client changed to 524.2.

Receipt
The samples were received on 6/7/2019 9:44 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5º C.

GC/MS VOA
Method 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-574060.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Client Sample ID: AW-528-060619
Lab Sample ID: 400-171302-1

No Detections.

Client Sample ID: AW-33920317-060619
Lab Sample ID: 400-171302-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.97		0.50	0.093	ug/L	1		524.2	Total/NA

Client Sample ID: FB04-060619
Lab Sample ID: 400-171302-3

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-171302-1	AW-528-060619	Water	06/06/19 10:05	06/07/19 09:44	
400-171302-2	AW-33920317-060619	Water	06/06/19 10:30	06/07/19 09:44	
400-171302-3	FB04-060619	Water	06/06/19 09:10	06/07/19 09:44	

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Client Sample ID: AW-528-060619
Lab Sample ID: 400-171302-1
Date Collected: 06/06/19 10:05
Matrix: Water
Date Received: 06/07/19 09:44

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.082		0.50	0.082	ug/L			06/14/19 02:40	1
1,2-DCA	<0.086		0.50	0.086	ug/L			06/14/19 02:40	1
Ethylbenzene	<0.099		0.50	0.099	ug/L			06/14/19 02:40	1
Methyl tert-butyl ether	<0.093		0.50	0.093	ug/L			06/14/19 02:40	1
m-Xylene & p-Xylene	<0.15		0.50	0.15	ug/L			06/14/19 02:40	1
o-Xylene	<0.086		0.50	0.086	ug/L			06/14/19 02:40	1
Toluene	<0.086		0.50	0.086	ug/L			06/14/19 02:40	1
Xylenes, Total	<0.086		0.50	0.086	ug/L			06/14/19 02:40	1
Naphthalene	<0.43		1.0	0.43	ug/L			06/14/19 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*06/14/19 02:40*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*70 - 130*		*06/14/19 02:40*	*1*

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Client Sample ID: AW-33920317-060619
Lab Sample ID: 400-171302-2
Date Collected: 06/06/19 10:30
Matrix: Water
Date Received: 06/07/19 09:44

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.082		0.50	0.082	ug/L			06/14/19 03:03	1
1,2-DCA	<0.086		0.50	0.086	ug/L			06/14/19 03:03	1
Ethylbenzene	<0.099		0.50	0.099	ug/L			06/14/19 03:03	1
Methyl tert-butyl ether	**0.97**		0.50	0.093	ug/L			06/14/19 03:03	1
m-Xylene & p-Xylene	<0.15		0.50	0.15	ug/L			06/14/19 03:03	1
o-Xylene	<0.086		0.50	0.086	ug/L			06/14/19 03:03	1
Toluene	<0.086		0.50	0.086	ug/L			06/14/19 03:03	1
Xylenes, Total	<0.086		0.50	0.086	ug/L			06/14/19 03:03	1
Naphthalene	<0.43		1.0	0.43	ug/L			06/14/19 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*06/14/19 03:03*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*70 - 130*		*06/14/19 03:03*	*1*

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Client Sample ID: FB04-060619
Lab Sample ID: 400-171302-3
Date Collected: 06/06/19 09:10
Matrix: Water
Date Received: 06/07/19 09:44

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.082		0.50	0.082	ug/L			06/14/19 03:27	1
1,2-DCA	<0.086		0.50	0.086	ug/L			06/14/19 03:27	1
Ethylbenzene	<0.099		0.50	0.099	ug/L			06/14/19 03:27	1
Methyl tert-butyl ether	<0.093		0.50	0.093	ug/L			06/14/19 03:27	1
m-Xylene & p-Xylene	<0.15		0.50	0.15	ug/L			06/14/19 03:27	1
o-Xylene	<0.086		0.50	0.086	ug/L			06/14/19 03:27	1
Toluene	<0.086		0.50	0.086	ug/L			06/14/19 03:27	1
Xylenes, Total	<0.086		0.50	0.086	ug/L			06/14/19 03:27	1
Naphthalene	<0.43		1.0	0.43	ug/L			06/14/19 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*06/14/19 03:27*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*70 - 130*		*06/14/19 03:27*	*1*

Definitions/Glossary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: CH2M Hill, Inc.
Project/Site: Lewis Drive_Private Well Sampling

Job ID: 400-171302-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB	DCZ
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
400-171302-1	AW-528-060619	99	101
400-171302-2	AW-33920317-060619	97	100
400-171302-3	FB04-060619	97	100
LCS 680-574060/5	Lab Control Sample	104	98
LCSD 680-574060/6	Lab Control Sample Dup	104	101
MB 680-574060/11	Method Blank	95	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Association Summary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

GC/MS VOA

Analysis Batch: 574060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-171302-1	AW-528-060619	Total/NA	Water	524.2	
400-171302-2	AW-33920317-060619	Total/NA	Water	524.2	
400-171302-3	FB04-060619	Total/NA	Water	524.2	
MB 680-574060/11	Method Blank	Total/NA	Water	524.2	
LCS 680-574060/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-574060/6	Lab Control Sample Dup	Total/NA	Water	524.2	

Client: CH2M Hill, Inc.
Project/Site: Lewis Drive_Private Well Sampling

Job ID: 400-171302-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-574060/11
Matrix: Water
Analysis Batch: 574060

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.082		0.50	0.082	ug/L			06/14/19 02:16	1
1,2-DCA	<0.086		0.50	0.086	ug/L			06/14/19 02:16	1
Ethylbenzene	<0.099		0.50	0.099	ug/L			06/14/19 02:16	1
Methyl tert-butyl ether	<0.093		0.50	0.093	ug/L			06/14/19 02:16	1
m-Xylene & p-Xylene	<0.15		0.50	0.15	ug/L			06/14/19 02:16	1
o-Xylene	<0.086		0.50	0.086	ug/L			06/14/19 02:16	1
Toluene	<0.086		0.50	0.086	ug/L			06/14/19 02:16	1
Xylenes, Total	<0.086		0.50	0.086	ug/L			06/14/19 02:16	1
Naphthalene	<0.43		1.0	0.43	ug/L			06/14/19 02:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*06/14/19 02:16*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*		*06/14/19 02:16*	*1*

Lab Sample ID: LCS 680-574060/5
Matrix: Water
Analysis Batch: 574060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.3		ug/L		96	70 - 130
1,2-DCA	20.0	21.2		ug/L		106	70 - 130
Ethylbenzene	20.0	20.3		ug/L		102	70 - 130
Methyl tert-butyl ether	20.0	20.0		ug/L		100	70 - 130
m-Xylene & p-Xylene	20.0	20.3		ug/L		102	70 - 130
o-Xylene	20.0	20.2		ug/L		101	70 - 130
Toluene	20.0	19.6		ug/L		98	70 - 130
Xylenes, Total	40.0	40.5		ug/L		101	70 - 130
Naphthalene	20.0	19.5		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 680-574060/6
Matrix: Water
Analysis Batch: 574060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.0	19.4		ug/L		97	70 - 130	1	20
1,2-DCA	20.0	21.2		ug/L		106	70 - 130	0	20
Ethylbenzene	20.0	21.0		ug/L		105	70 - 130	3	20
Methyl tert-butyl ether	20.0	20.4		ug/L		102	70 - 130	2	20
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	70 - 130	1	20
o-Xylene	20.0	20.9		ug/L		104	70 - 130	3	20
Toluene	20.0	19.8		ug/L		99	70 - 130	1	20
Xylenes, Total	40.0	41.4		ug/L		104	70 - 130	2	20
Naphthalene	20.0	19.9		ug/L		100	70 - 130	2	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-574060/6
Matrix: Water
Analysis Batch: 574060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	104		70 - 130
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130

Lab Chronicle

Client: CH2M Hill, Inc.
Project/Site: Lewis Drive_Private Well Sampling

Job ID: 400-171302-1

Client Sample ID: AW-528-060619
Date Collected: 06/06/19 10:05
Date Received: 06/07/19 09:44

Lab Sample ID: 400-171302-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/14/19 02:40	UI	TAL SAV

Client Sample ID: AW-33920317-060619
Date Collected: 06/06/19 10:30
Date Received: 06/07/19 09:44

Lab Sample ID: 400-171302-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/14/19 03:03	UI	TAL SAV

Client Sample ID: FB04-060619
Date Collected: 06/06/19 09:10
Date Received: 06/07/19 09:44

Lab Sample ID: 400-171302-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/14/19 03:27	UI	TAL SAV

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 680-574060/11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/14/19 02:16	UI	TAL SAV

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 680-574060/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/13/19 23:55	UI	TAL SAV

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 680-574060/6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	574060	06/14/19 00:19	UI	TAL SAV

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: CH2M Hill, Inc.
Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Laboratory: Eurofins TestAmerica, Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
North Carolina (WW/SW)	State Program	4	314	12-31-19

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-19 *
Alaska	State Program	10		06-30-19 *
Alaska (UST)	State Program	10	UST-104	09-22-19
ANAB	DoD		L2463	09-22-19
ANAB	ISO/IEC 17025		L2463.01	09-22-19
Arizona	State Program	9	AZ0808	12-14-19
Arkansas DEQ	State Program	6	88-0692	02-01-20
California	State Program	9	2939	06-30-19 *
Colorado	State Program	8	N/A	12-31-19
Connecticut	State Program	1	PH-0161	03-31-21
Florida	NELAP	4	E87052	06-30-19 *
Georgia	State Program	4	N/A	06-30-19 *
Georgia	State Program	4	803	06-30-19 *
Guam	State Program	9	15-005r	04-17-20
Hawaii	State Program	9	N/A	06-30-19 *
Illinois	NELAP	5	200022	11-30-19
Indiana	State Program	5	N/A	06-30-19 *
Iowa	State Program	7	353	06-30-19 *
Kentucky (DW)	State Program	4	90084	12-31-19
Kentucky (UST)	State Program	4	18	06-30-19 *
Kentucky (WW)	State Program	4	90084	12-31-19
Louisiana	NELAP	6	30690	06-30-19 *
Louisiana (DW)	NELAP	6	LA160019	12-31-19
Maine	State Program	1	GA00006	09-25-20
Maryland	State Program	3	250	12-31-19
Massachusetts	State Program	1	M-GA006	06-30-20
Michigan	State Program	5	9925	06-30-19
Mississippi	State Program	4	N/A	06-30-19 *
Nebraska	State Program	7	TestAmerica-Savannah	06-30-19 *
New Jersey	NELAP	2	GA769	06-30-19 *
New Mexico	State Program	6	N/A	06-30-19 *
New York	NELAP	2	10842	04-01-20
North Carolina (DW)	State Program	4	13701	07-31-19
North Carolina (WW/SW)	State Program	4	269	12-31-19
Oklahoma	State Program	6	9984	08-31-19
Pennsylvania	NELAP	3	68-00474	06-30-19 *
Puerto Rico	State Program	2	GA00006	01-01-20
South Carolina	State Program	4	98001	06-30-19 *
Tennessee	State Program	4	TN02961	06-30-19 *
Texas	NELAP	6	T104704185-19-13	11-30-19
Texas (DW)	State Program	1	T104704185	06-30-19 *
US Fish & Wildlife	Federal		LE058448-0	07-31-19
Virginia	NELAP	3	460161	06-14-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: CH2M Hill, Inc. Job ID: 400-171302-1
Project/Site: Lewis Drive_Private Well Sampling

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C805	06-10-20
West Virginia (DW)	State Program	3	9950C	12-31-19
West Virginia DEP	State Program	3	094	06-30-19 *
Wisconsin	State Program	5	999819810	08-31-19 *
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

JACOBS
6600 Peachtree-Dunwoody Rd, 400 Embassy Row, Suite 600
Atlanta, GA 30328
Tel No: (770) 604-9182
Fax No: (770) 604-9183

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: D3161400-060619-01

[2] PROJECT NAME	[3] PROJECT NUMBER	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.)
Lewis Drive	D3161400	Pace Analytical Labs Kevin Godwin	Bill Waldron wwaldron@ch2m.com	111 Corning Road, Suite 116, Cary, NC 27518
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR DO NUMBER	[7] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.)
Private well sampling		bill directly to Kinder Morgan		
[8] PROJECT CONTACT	[9] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.)
Bill Waldron	919-760-1777	704-875-9092 ext. 928273		

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	Bottle Type / Number of Bottles	G / Select VOCs (8260B)	[28] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[26] LAB ID (for lab's use)
1	AW-528-060619	Private Well	W	06/06/19	10:05	II	14	3	X	N	Select VOCs:	
2	AW-33920317-060619	Private Well	W	06/06/19	10:30	II	14	3	X		BTEX, MTBE, Naph, and 1,2-DCA	
3	FB04-060619	Field Blank	WQ	06/06/19	9:10	II	14	3	X			
4												
5												
6												
7												
8												
9												
10												

00-171302 COC

[29] SAMPLER(S) AND COMPANY (please print)	[30] COURIER AND SHIPPING NUMBER	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Melissa Warren/CH2M HILL	FedEx Number:	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature			Printed Name and Signature		
MELISSA WARREN	06/06/19	1300			
Printed Name and Signature			Printed Name and Signature		
Printed Name and Signature			Printed Name and Signature		
			Rick Farmer	6-7-19	9:44

Distribution [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CC1001, Rev 06/00

4.5° 128

6/21/2019

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Webb, Carol M	Carrier Tracking No(s):	COC No: 400-212622.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: carol.webb@testamericainc.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - North Carolina (WW/SW)		Job #: 400-171302-1
Address: 5102 LaRoche Avenue, .	Due Date Requested: 6/17/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Lewis Drive_Private Well Sampling	Project #: 40009725			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved/ BTEX + MTBE + Naphthalene+1,2-DCA	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
AW-528-060619 (400-171302-1)	6/6/19	10:05 Eastern		Water			X	3	
AW-33920317-060619 (400-171302-2)	6/6/19	10:30 Eastern		Water			X	3	
FB04-060619 (400-171302-3)	6/6/19	09:10 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kathy R Owen	6-10-19 1530	TAPEN		6-11-19 1006	TestAm
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 400-171302-1

Login Number: 171302
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.5°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 400-171302-1

Login Number: 171302
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 06/11/19 02:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 18, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1087786
Samples Received:	04/10/2019
Project Number:	D3161400.B.PN.GEN.LD
Description:	Lewis Drive Surface Water

Report To: Bethany Garvey
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

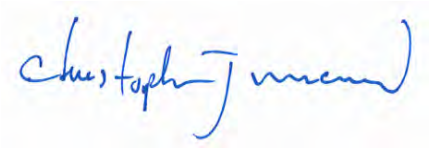
TABLE OF CONTENTS

SW02-040919 L1087786-01 GW

Collected by: T. Hall
Collected date/time: 04/09/19 12:20
Received date/time: 04/10/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1265509	1	04/13/19 13:39	04/13/19 13:39	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	2.80		1.00	1	04/13/2019 13:39	WG1265509
Toluene	ND		1.00	1	04/13/2019 13:39	WG1265509
Ethylbenzene	ND		1.00	1	04/13/2019 13:39	WG1265509
o-Xylene	ND		1.00	1	04/13/2019 13:39	WG1265509
m&p-Xylene	ND		2.00	1	04/13/2019 13:39	WG1265509
Total Xylenes	ND		3.00	1	04/13/2019 13:39	WG1265509
Methyl tert-butyl ether	ND		1.00	1	04/13/2019 13:39	WG1265509
Naphthalene	ND		5.00	1	04/13/2019 13:39	WG1265509
(S) Toluene-d8	*103*		*80.0-120*		*04/13/2019 13:39*	WG1265509
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*04/13/2019 13:39*	WG1265509
(S) 1,2-Dichloroethane-d4	*89.8*		*70.0-130*		*04/13/2019 13:39*	WG1265509

Method Blank (MB)

(MB) R3402313-3 04/13/19 10:33

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
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.8*			*70.0-130*

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

(LCS) R3402313-1 04/13/19 09:33 • (LCSD) R3402313-2 04/13/19 09:53

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	25.0	24.8	24.8	99.3	99.1	70.0-130			0.215	20
Ethylbenzene	25.0	22.9	22.7	91.7	90.8	70.0-130			0.983	20
Methyl tert-butyl ether	25.0	22.4	22.9	89.7	91.4	70.0-130			1.87	20
Naphthalene	25.0	25.5	25.1	102	101	70.0-130			1.59	20
o-Xylene	25.0	23.2	23.1	93.0	92.4	70.0-130			0.554	20
m&p-Xylenes	50.0	47.1	46.2	94.3	92.4	70.0-130			1.97	20
Toluene	25.0	24.4	24.0	97.7	96.0	70.0-130			1.72	20
Xylenes, Total	75.0	70.3	69.3	93.7	92.4	70.0-130			1.43	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*87.8*	*90.1*	*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.

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

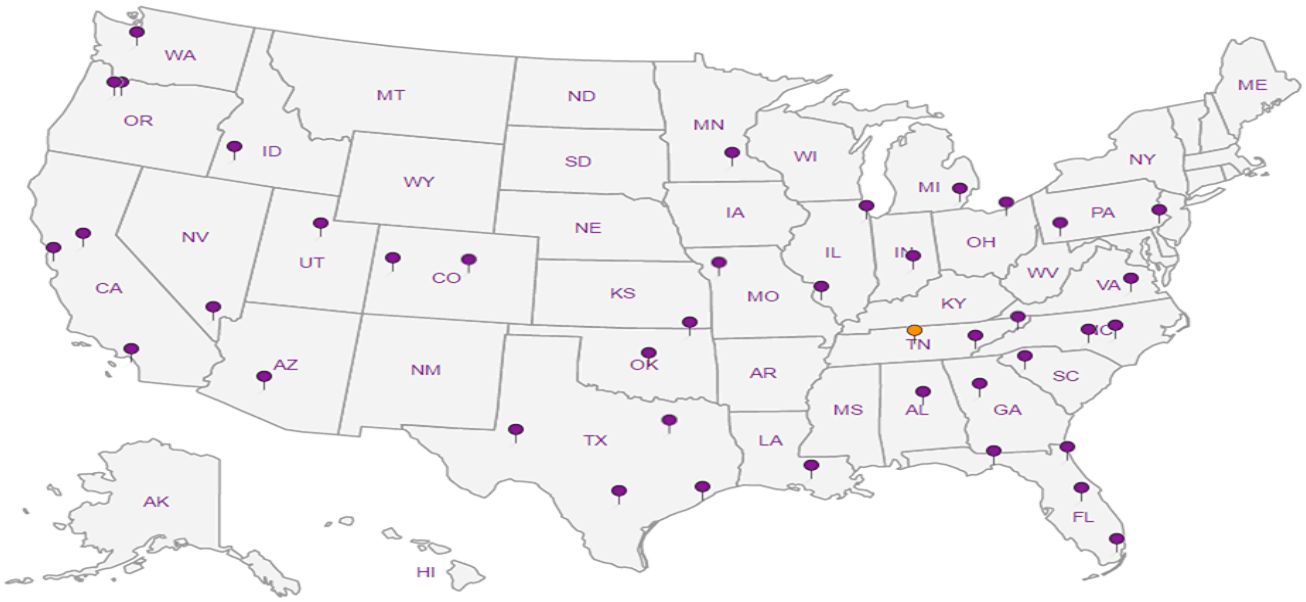
Third Party Federal Accreditations

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~~ SURFACE WATER

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # D3161400, B.PN GEN LOOMR. GW

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: STANDARD

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Blk
SW02-040919	G	~~GW~~SW	—	4.9.19	1220	3	X	
		GW				3	X	
		GW				3	X	
		GW				3	X	
		GW				3	X	
		GW				3	X	
		GW				3	X	
		GW				3	X	
		GW				1		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

L# 1087786

Table #

Acctnum: KINCH2MGA
Template: T148391
Prelogin: P701342
TSR: 526 - Chris McCord
PB: 5/28/19mc

Shipped Via: FedEx Standard

Remarks	Sample # (lab only)
	-01

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __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)
	04 09 19	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	~~04 09 19~~	~~1500~~	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 3=VB

Date: 04/10/19 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 29, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1099515
Samples Received:	05/16/2019
Project Number:	D3161400
Description:	Lewis Drive Site Surface water event

Report To: Bethany Garvey
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

SW-11-051519 L1099515-01 GW

Collected by: T. Hall | Collected date/time: 05/15/19 09:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 09:32	05/18/19 09:32	JHH	Mt. Juliet, TN

SW-10-051519 L1099515-02 GW

Collected by: T. Hall | Collected date/time: 05/15/19 09:40 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 09:53	05/18/19 09:53	JHH	Mt. Juliet, TN

SW-09-051519 L1099515-03 GW

Collected by: T. Hall | Collected date/time: 05/15/19 09:45 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 10:13	05/18/19 10:13	JHH	Mt. Juliet, TN

SW-08-051519 L1099515-04 GW

Collected by: T. Hall | Collected date/time: 05/15/19 09:50 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 10:33	05/18/19 10:33	JHH	Mt. Juliet, TN

SW-13-051519 L1099515-05 GW

Collected by: T. Hall | Collected date/time: 05/15/19 09:55 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 10:53	05/18/19 10:53	JHH	Mt. Juliet, TN

SW-04-051519 L1099515-06 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 11:13	05/18/19 11:13	JHH	Mt. Juliet, TN

SW-02-051519 L1099515-07 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:05 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 11:33	05/18/19 11:33	JHH	Mt. Juliet, TN

SW-07-051519 L1099515-08 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:15 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 11:54	05/18/19 11:54	JHH	Mt. Juliet, TN

SW-12-051519 L1099515-09 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:25 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 12:14	05/18/19 12:14	JHH	Mt. Juliet, TN

SW-03-051519 L1099515-10 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 12:34	05/18/19 12:34	JHH	Mt. Juliet, TN

SW-14-051519 L1099515-11 GW

Collected by: T. Hall | Collected date/time: 05/15/19 14:00 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 12:54	05/18/19 12:54	JHH	Mt. Juliet, TN

SW-05-051519 L1099515-12 GW

Collected by: T. Hall | Collected date/time: 05/15/19 14:30 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283099	1	05/18/19 13:14	05/18/19 13:14	JHH	Mt. Juliet, TN

SW-01-051519 L1099515-13 GW

Collected by: T. Hall | Collected date/time: 05/15/19 10:10 | Received date/time: 05/16/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1283313	1	05/18/19 15:38	05/18/19 15:38	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

Project Narrative

a,a,a-Trifluorotoluene was not present in the Surrogate standard received from our vendor and will report as 0% recovery in the samples where the surrogate mix was used.

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	05/18/2019 09:32	WG1283099
Toluene	ND		1.00	1	05/18/2019 09:32	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 09:32	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 09:32	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 09:32	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 09:32	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 09:32	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 09:32	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 09:32*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 09:32*	WG1283099
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/18/2019 09:32*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*05/18/2019 09:32*	WG1283099

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	05/18/2019 09:53	WG1283099
Toluene	ND		1.00	1	05/18/2019 09:53	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 09:53	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 09:53	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 09:53	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 09:53	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 09:53	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 09:53	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 09:53*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 09:53*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 09:53*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.7*		*70.0-130*		*05/18/2019 09:53*	WG1283099

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	05/18/2019 10:13	WG1283099
Toluene	ND		1.00	1	05/18/2019 10:13	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 10:13	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 10:13	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 10:13	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 10:13	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 10:13	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 10:13	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 10:13*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 10:13*	WG1283099
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/18/2019 10:13*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.2*		*70.0-130*		*05/18/2019 10:13*	WG1283099

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	05/18/2019 10:33	WG1283099
Toluene	ND		1.00	1	05/18/2019 10:33	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 10:33	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 10:33	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 10:33	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 10:33	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 10:33	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 10:33	WG1283099
(S) Toluene-d8	*103*		*80.0-120*		*05/18/2019 10:33*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 10:33*	WG1283099
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/18/2019 10:33*	WG1283099
(S) 1,2-Dichloroethane-d4	*95.1*		*70.0-130*		*05/18/2019 10:33*	WG1283099

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	05/18/2019 10:53	WG1283099
Toluene	ND		1.00	1	05/18/2019 10:53	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 10:53	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 10:53	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 10:53	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 10:53	WG1283099
Methyl tert-butyl ether	1.30		1.00	1	05/18/2019 10:53	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 10:53	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 10:53*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 10:53*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 10:53*	WG1283099
(S) 1,2-Dichloroethane-d4	*94.1*		*70.0-130*		*05/18/2019 10:53*	WG1283099

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	05/18/2019 11:13	WG1283099
Toluene	ND		1.00	1	05/18/2019 11:13	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 11:13	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 11:13	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 11:13	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 11:13	WG1283099
Methyl tert-butyl ether	1.27		1.00	1	05/18/2019 11:13	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 11:13	WG1283099
(S) Toluene-d8	*102*		*80.0-120*		*05/18/2019 11:13*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 11:13*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 11:13*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.5*		*70.0-130*		*05/18/2019 11:13*	WG1283099

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.47		1.00	1	05/18/2019 11:33	WG1283099
Toluene	ND		1.00	1	05/18/2019 11:33	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 11:33	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 11:33	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 11:33	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 11:33	WG1283099
Methyl tert-butyl ether	2.36		1.00	1	05/18/2019 11:33	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 11:33	WG1283099
(S) Toluene-d8	*103*		*80.0-120*		*05/18/2019 11:33*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 11:33*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 11:33*	WG1283099
(S) 1,2-Dichloroethane-d4	*93.5*		*70.0-130*		*05/18/2019 11:33*	WG1283099

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	05/18/2019 11:54	WG1283099
Toluene	ND		1.00	1	05/18/2019 11:54	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 11:54	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 11:54	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 11:54	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 11:54	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 11:54	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 11:54	WG1283099
(S) Toluene-d8	*98.6*		*80.0-120*		*05/18/2019 11:54*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 11:54*	WG1283099
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*05/18/2019 11:54*	WG1283099
(S) 1,2-Dichloroethane-d4	*94.6*		*70.0-130*		*05/18/2019 11:54*	WG1283099

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	05/18/2019 12:14	WG1283099
Toluene	ND		1.00	1	05/18/2019 12:14	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 12:14	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 12:14	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 12:14	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 12:14	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 12:14	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 12:14	WG1283099
(S) Toluene-d8	*103*		*80.0-120*		*05/18/2019 12:14*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 12:14*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 12:14*	WG1283099
(S) 1,2-Dichloroethane-d4	*94.0*		*70.0-130*		*05/18/2019 12:14*	WG1283099

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	05/18/2019 12:34	WG1283099
Toluene	ND		1.00	1	05/18/2019 12:34	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 12:34	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 12:34	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 12:34	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 12:34	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 12:34	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 12:34	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 12:34*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 12:34*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 12:34*	WG1283099
(S) 1,2-Dichloroethane-d4	*95.6*		*70.0-130*		*05/18/2019 12:34*	WG1283099

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	05/18/2019 12:54	WG1283099
Toluene	ND		1.00	1	05/18/2019 12:54	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 12:54	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 12:54	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 12:54	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 12:54	WG1283099
Methyl tert-butyl ether	1.50		1.00	1	05/18/2019 12:54	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 12:54	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 12:54*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 12:54*	WG1283099
(S) 4-Bromofluorobenzene	*99.8*		*77.0-126*		*05/18/2019 12:54*	WG1283099
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*05/18/2019 12:54*	WG1283099

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	05/18/2019 13:14	WG1283099
Toluene	ND		1.00	1	05/18/2019 13:14	WG1283099
Ethylbenzene	ND		1.00	1	05/18/2019 13:14	WG1283099
o-Xylene	ND		1.00	1	05/18/2019 13:14	WG1283099
m&p-Xylene	ND		2.00	1	05/18/2019 13:14	WG1283099
Xylenes, Total	ND		3.00	1	05/18/2019 13:14	WG1283099
Methyl tert-butyl ether	ND		1.00	1	05/18/2019 13:14	WG1283099
Naphthalene	ND		5.00	1	05/18/2019 13:14	WG1283099
(S) Toluene-d8	*101*		*80.0-120*		*05/18/2019 13:14*	WG1283099
(S) a,a,a-Trifluorotoluene	*0.000*	J2	*80.0-120*		*05/18/2019 13:14*	WG1283099
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*05/18/2019 13:14*	WG1283099
(S) 1,2-Dichloroethane-d4	*94.5*		*70.0-130*		*05/18/2019 13:14*	WG1283099

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.39		1.00	1	05/18/2019 15:38	WG1283313
Toluene	ND		1.00	1	05/18/2019 15:38	WG1283313
Ethylbenzene	ND		1.00	1	05/18/2019 15:38	WG1283313
o-Xylene	ND		1.00	1	05/18/2019 15:38	WG1283313
m&p-Xylene	ND		2.00	1	05/18/2019 15:38	WG1283313
Xylenes, Total	ND		3.00	1	05/18/2019 15:38	WG1283313
Methyl tert-butyl ether	1.56		1.00	1	05/18/2019 15:38	WG1283313
Naphthalene	ND		5.00	1	05/18/2019 15:38	WG1283313
(S) Toluene-d8	*93.1*		*80.0-120*		*05/18/2019 15:38*	WG1283313
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*05/18/2019 15:38*	WG1283313
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*05/18/2019 15:38*	WG1283313
(S) 1,2-Dichloroethane-d4	*97.0*		*70.0-130*		*05/18/2019 15:38*	WG1283313

Method Blank (MB)

(MB) R3412883-2 05/18/19 06:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*102*			*80.0-120*
(S) a,a,a-Trifluorotoluene	*0.000*	J2		*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3412883-1 05/18/19 05:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.1	96.5	70.0-130	
Ethylbenzene	25.0	24.6	98.5	70.0-130	
Methyl tert-butyl ether	25.0	22.8	91.2	70.0-130	
Naphthalene	25.0	26.5	106	70.0-130	
Toluene	25.0	23.6	94.3	70.0-130	
Xylenes, Total	75.0	73.8	98.4	70.0-130	
o-Xylene	25.0	24.7	98.7	70.0-130	
m&p-Xylenes	50.0	49.1	98.3	70.0-130	
(S) Toluene-d8			*103*	*80.0-120*	
(S) a,a,a-Trifluorotoluene			*0.000*	*80.0-120*	J2
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*95.2*	*70.0-130*	

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

Method Blank (MB)

(MB) R3413418-4 05/18/19 11:48

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
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
Xylenes, Total	U		1.06	3.00
(S) a,a,a-Trifluorotoluene	*104*			*80.0-120*
(S) Toluene-d8	*93.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*

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

(LCS) R3413418-1 05/18/19 10:09 • (LCSD) R3413418-2 05/18/19 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	28.7	28.6	115	114	70.0-130			0.639	20
Ethylbenzene	25.0	28.4	28.3	114	113	70.0-130			0.644	20
Methyl tert-butyl ether	25.0	28.4	27.3	114	109	70.0-130			3.94	20
Naphthalene	25.0	25.2	25.7	101	103	70.0-130			2.11	20
o-Xylene	25.0	27.4	27.3	110	109	70.0-130			0.194	20
m&p-Xylenes	50.0	53.8	53.7	108	107	70.0-130			0.180	20
Toluene	25.0	27.4	27.1	110	108	70.0-130			1.25	20
Xylenes, Total	75.0	81.2	81.0	108	108	70.0-130			0.247	20
(S) a,a,a-Trifluorotoluene				*102*	*103*	*80.0-120*				
(S) Toluene-d8				*95.9*	*94.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*99.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*86.6*	*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.

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
J2	Surrogate recovery limits have been exceeded; values are outside lower 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

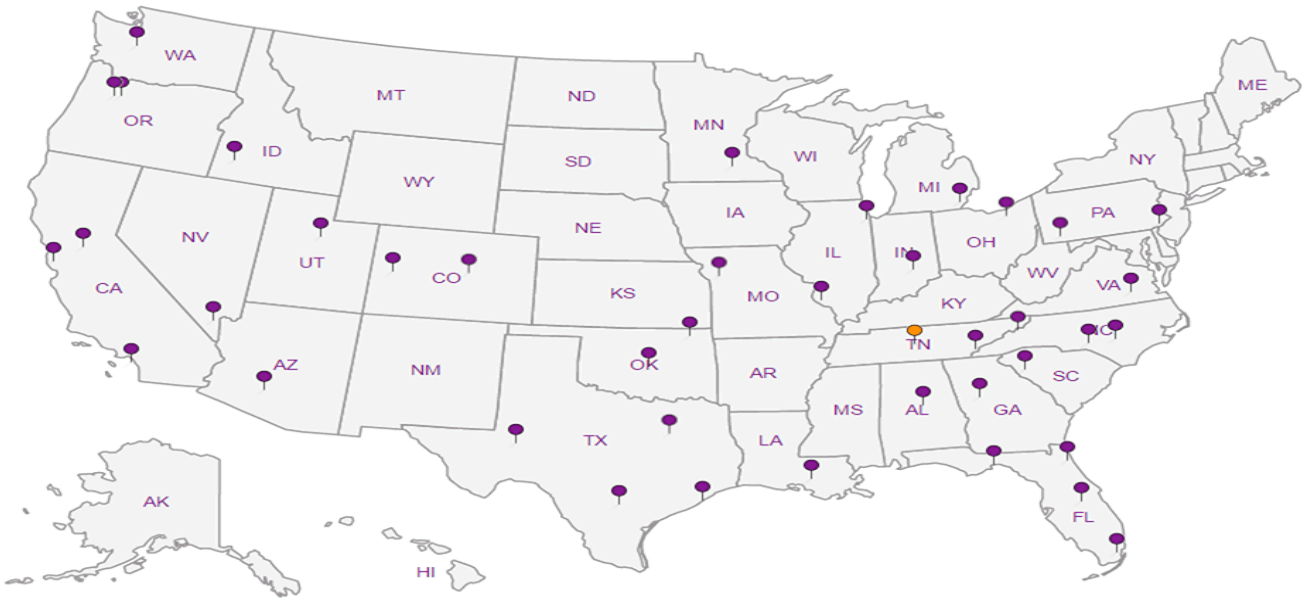
Third Party Federal Accreditations

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

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 Surface Water

City/State Collected:

Phone: 770-604-9182
Fax:

Client Project # 03161400

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

Quote #

Date Results Needed: STANDARD

Pres Chk

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

L # L1099515

A151

Acctnum: KINCH2MGA
Template: T120701
Prelogin: P708639
TSR: 526 - Chris McCord
PB: TB 5-9-19
Shipped Via: FedEX Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW-11-051519	G	GW		5-15-19	0930	3	X		-01
SW-10-051519		GW			0940	3	X		-02
SW-09-051519		GW			0945	3	X		-03
SW-08-051519		GW			0950	3	X		-04
SW-13-051519		GW			0955	3	X		-05
SW-04-051519		GW			1000	3	X		-06
SW-02-051519		GW			1005	3	X		-07
SW-07-051519		GW			1015	3	X		-08
SW-12-051519		GW			1025	3	X		-09
SW-03-051519		GW			1030	3	X		-10

RAD SCREEN: <0.5 mR/hr

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

Remarks: V8260BTEXNSC=BTEX + Naphthalene + MTBE

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 1023 1350 3772

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
	5-15-19	1700		Ø	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.6 +0.1 °C Bottles Received: 39	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-16-19 Time: 8:45	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
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Kinder Morgan- Atlanta, GA

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Atlanta, GA 30328

Billing Information:
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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 Surface Water

City/State Collected:

Phone: 770-604-9182
Fax:

Client Project # D3161400

Lab Project # KINCH2MGA-LEWIS

Collected by (print): T. HALL

Site/Facility ID #

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: STANDARD

Immediately Packed on Ice N ___ Y ✓

L # L1099515
Table #
Acctnum: KINCH2MGA
Template: T120701
Prelogin: P708639
TSR: 526 - Chris McCord
PB: TB 5-9-19
Shipped Via: FedEX Standard

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl									Remarks	Sample # (lab only)
SW-14-051519	G	GW		05-15-19	1400	3	X										-11
SW-05-051519	G	GW		05-15-19	1430	3	X										-12
SW-01-051519		GW		5-15-19	1010	3	X										-13
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										
		GW				3	X										

RAD SCREEN <0.5 mR/hr

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

Remarks: V8260BTEXNSC=BTEX + Naphthalene + MTBE

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS ✓ FedEx __ Courier ____

Tracking # Same

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 Ø	
[signature]	5-15-19	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1±0=1.1 °C Bottles Received: 39	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 5-16-19 Time: 8:45	Hold: Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 12, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1105563
Samples Received:	06/05/2019
Project Number:	D3161400.B.PN.GEN.LD
Description:	Lewis Drive Surface Water

Report To: Bethany Garvey
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

SW02-060419 L1105563-02 GW

Collected by: AD/JM | Collected date/time: 06/04/19 13:25 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 07:24	06/09/19 07:24	ACG	Mt. Juliet, TN

SW04-060419 L1105563-03 GW

Collected by: AD/JM | Collected date/time: 06/04/19 13:15 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 07:44	06/09/19 07:44	ACG	Mt. Juliet, TN

SW08-060419 L1105563-05 GW

Collected by: AD/JM | Collected date/time: 06/04/19 11:10 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 08:04	06/09/19 08:04	ACG	Mt. Juliet, TN

SW09-060419 L1105563-06 GW

Collected by: AD/JM | Collected date/time: 06/04/19 10:55 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 08:24	06/09/19 08:24	ACG	Mt. Juliet, TN

SW10-060419 L1105563-07 GW

Collected by: AD/JM | Collected date/time: 06/04/19 10:35 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 08:44	06/09/19 08:44	ACG	Mt. Juliet, TN

SW11-060419 L1105563-08 GW

Collected by: AD/JM | Collected date/time: 06/04/19 10:20 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 09:04	06/09/19 09:04	ACG	Mt. Juliet, TN

SW12-060419 L1105563-09 GW

Collected by: AD/JM | Collected date/time: 06/04/19 14:55 | Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 09:24	06/09/19 09:24	ACG	Mt. Juliet, TN

SW13-060419 L1105563-10 GW

Collected by: AD/JM | Collected date/time: 06/04/19 11:20 | Received date/time: 06/05/19 08:45

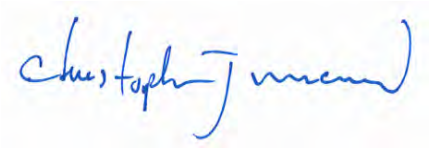
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 09:44	06/09/19 09:44	ACG	Mt. Juliet, TN

SW14-060419 L1105563-11 GW

Collected by: AD/JM
Collected date/time: 06/04/19 14:30
Received date/time: 06/05/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293342	1	06/09/19 10:03	06/09/19 10:03	ACG	Mt. Juliet, TN

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



Chris McCord
Project Manager

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	06/09/2019 07:24	WG1293342
Toluene	ND		1.00	1	06/09/2019 07:24	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 07:24	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 07:24	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 07:24	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 07:24	WG1293342
Methyl tert-butyl ether	2.02		1.00	1	06/09/2019 07:24	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 07:24	WG1293342
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 07:24*	WG1293342
(S) 4-Bromofluorobenzene	*96.7*		*77.0-126*		*06/09/2019 07:24*	WG1293342
(S) 1,2-Dichloroethane-d4	*88.3*		*70.0-130*		*06/09/2019 07:24*	WG1293342

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	06/09/2019 07:44	WG1293342
Toluene	ND		1.00	1	06/09/2019 07:44	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 07:44	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 07:44	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 07:44	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 07:44	WG1293342
Methyl tert-butyl ether	1.36		1.00	1	06/09/2019 07:44	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 07:44	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 07:44*	WG1293342
(S) 4-Bromofluorobenzene	*94.7*		*77.0-126*		*06/09/2019 07:44*	WG1293342
(S) 1,2-Dichloroethane-d4	*86.0*		*70.0-130*		*06/09/2019 07:44*	WG1293342

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	06/09/2019 08:04	WG1293342
Toluene	ND		1.00	1	06/09/2019 08:04	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 08:04	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 08:04	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 08:04	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 08:04	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 08:04	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 08:04	WG1293342
(S) Toluene-d8	*98.6*		*80.0-120*		*06/09/2019 08:04*	WG1293342
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*06/09/2019 08:04*	WG1293342
(S) 1,2-Dichloroethane-d4	*90.5*		*70.0-130*		*06/09/2019 08:04*	WG1293342

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	06/09/2019 08:24	WG1293342
Toluene	ND		1.00	1	06/09/2019 08:24	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 08:24	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 08:24	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 08:24	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 08:24	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 08:24	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 08:24	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 08:24*	WG1293342
(S) 4-Bromofluorobenzene	*99.2*		*77.0-126*		*06/09/2019 08:24*	WG1293342
(S) 1,2-Dichloroethane-d4	*91.8*		*70.0-130*		*06/09/2019 08:24*	WG1293342

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	06/09/2019 08:44	WG1293342
Toluene	ND		1.00	1	06/09/2019 08:44	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 08:44	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 08:44	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 08:44	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 08:44	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 08:44	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 08:44	WG1293342
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2019 08:44*	WG1293342
(S) 4-Bromofluorobenzene	*96.7*		*77.0-126*		*06/09/2019 08:44*	WG1293342
(S) 1,2-Dichloroethane-d4	*93.0*		*70.0-130*		*06/09/2019 08:44*	WG1293342

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	06/09/2019 09:04	WG1293342
Toluene	ND		1.00	1	06/09/2019 09:04	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 09:04	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 09:04	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 09:04	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 09:04	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 09:04	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 09:04	WG1293342
(S) Toluene-d8	*98.5*		*80.0-120*		*06/09/2019 09:04*	WG1293342
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*06/09/2019 09:04*	WG1293342
(S) 1,2-Dichloroethane-d4	*91.9*		*70.0-130*		*06/09/2019 09:04*	WG1293342

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.19		1.00	1	06/09/2019 09:24	WG1293342
Toluene	ND		1.00	1	06/09/2019 09:24	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 09:24	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 09:24	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 09:24	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 09:24	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 09:24	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 09:24	WG1293342
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2019 09:24*	WG1293342
(S) 4-Bromofluorobenzene	*94.0*		*77.0-126*		*06/09/2019 09:24*	WG1293342
(S) 1,2-Dichloroethane-d4	*89.2*		*70.0-130*		*06/09/2019 09:24*	WG1293342

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	06/09/2019 09:44	WG1293342
Toluene	ND		1.00	1	06/09/2019 09:44	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 09:44	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 09:44	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 09:44	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 09:44	WG1293342
Methyl tert-butyl ether	1.11		1.00	1	06/09/2019 09:44	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 09:44	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 09:44*	WG1293342
(S) 4-Bromofluorobenzene	*99.6*		*77.0-126*		*06/09/2019 09:44*	WG1293342
(S) 1,2-Dichloroethane-d4	*92.6*		*70.0-130*		*06/09/2019 09:44*	WG1293342

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	06/09/2019 10:03	WG1293342
Toluene	ND		1.00	1	06/09/2019 10:03	WG1293342
Ethylbenzene	ND		1.00	1	06/09/2019 10:03	WG1293342
o-Xylene	ND		1.00	1	06/09/2019 10:03	WG1293342
m&p-Xylene	ND		2.00	1	06/09/2019 10:03	WG1293342
Xylenes, Total	ND		3.00	1	06/09/2019 10:03	WG1293342
Methyl tert-butyl ether	ND		1.00	1	06/09/2019 10:03	WG1293342
Naphthalene	ND		5.00	1	06/09/2019 10:03	WG1293342
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2019 10:03*	WG1293342
(S) 4-Bromofluorobenzene	*93.0*		*77.0-126*		*06/09/2019 10:03*	WG1293342
(S) 1,2-Dichloroethane-d4	*88.2*		*70.0-130*		*06/09/2019 10:03*	WG1293342

Method Blank (MB)

(MB) R3419562-3 06/09/19 06:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*

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

(LCS) R3419562-1 06/09/19 05:05 • (LCSD) R3419562-2 06/09/19 05:25

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	25.0	25.5	24.5	102	97.9	70.0-130			4.12	20
Ethylbenzene	25.0	28.6	27.2	114	109	70.0-130			4.79	20
Toluene	25.0	26.4	25.6	106	102	70.0-130			2.95	20
Methyl tert-butyl ether	25.0	25.6	24.8	102	99.2	70.0-130			3.09	20
Naphthalene	25.0	23.9	24.5	95.8	98.2	70.0-130			2.49	20
Xylenes, Total	75.0	81.0	77.4	108	103	70.0-130			4.55	20
o-Xylene	25.0	27.6	26.0	110	104	70.0-130			5.85	20
m&p-Xylenes	50.0	53.4	51.4	107	103	70.0-130			3.75	20
(S) Toluene-d8				*100*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.5*	*97.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*100*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

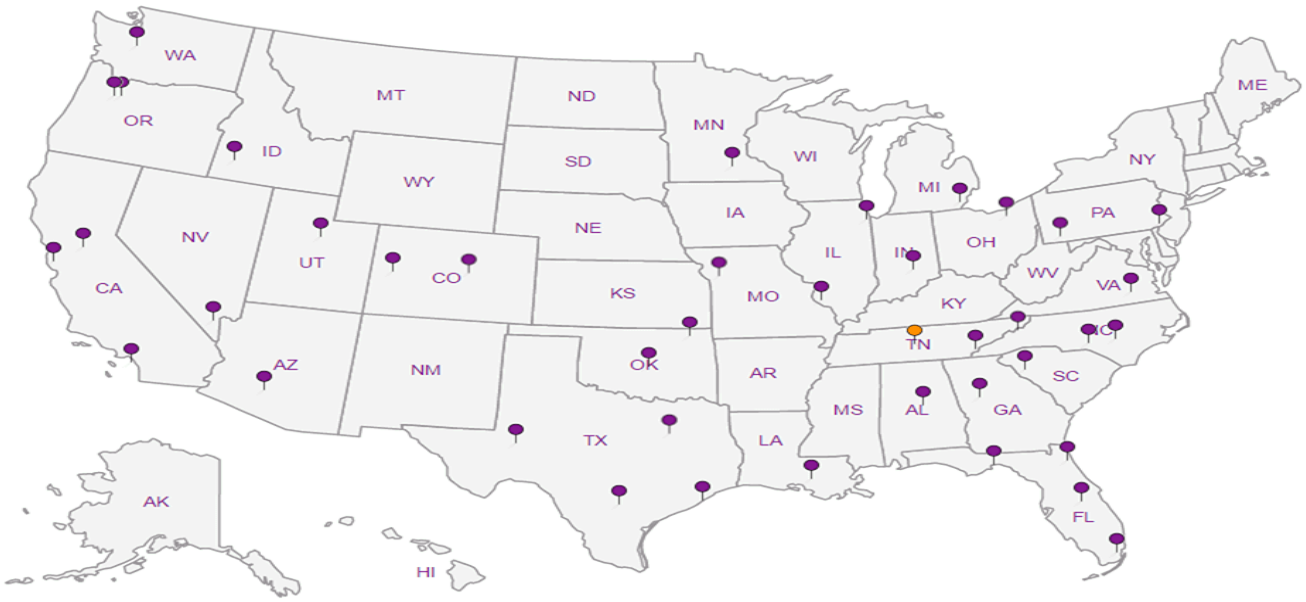
Third Party Federal Accreditations

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: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # D361100.8.PNGEN.LDOWR.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): A. DENNIS / J. MORGAN

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

Chain of Custody Page 1 of 2

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical

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

L# L1105563

D086

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P655549
TSR: 526 - Chris McCord
PB: 5-31-186

Shipped Via: FedEx Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Pres Chk	Remarks	Sample # (lab only)
~~SW-01~~	~~G~~	~~GW~~				3	X				-00 TD
SW01-060419	G	GW	NA	6-04-19	1355	3	X				-01
SW02-060419		GW			1325	3	X				-02
SW04-060419		GW			1315	3	X				-03
SW07-060419		GW			1340	3	X				-04
SW08-060419		GW			1110	3	X				-05
SW09-060419		GW			1055	3	X				-06
SW10-060419		GW			1035	~~3~~ 1	X	~~X~~ TH		NO TB	-07
SW11-060419		GW			1020	3	X				-08
SW12-060419	↓	GW	↓	↓	1455	3	X				-09

RAD SCREEN: <0.5 mR/hr

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

Remarks: SEE GW COC FOR TRIP BLANK

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking # 1023 1350 3073

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
[signature]	6-4-19 ~~1630~~	1730 ~~1630~~			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C Bottles Received: 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/5/19 Time: 8:45	Hold: Condition: NCF / OK

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: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # D3161400, B.PNGEN, 200MR.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): A. DENNIS / J. MORGAN

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: X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXMNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW13-061419	G	GW	NA	6-04-19	1120	3	X		-10
SW14-061419	G	GW	NA	6-04-19	1430	3	X		-11
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		

RAD SCREEN: <0.5 mR/hr

Chain of Custody Page 2 of 2

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# 6110563

Table #

Acctnum: KINCH2MGA

Template: T132193

Prelogin: P662162

TSR: 526 - Chris McCord

PB: 7-6-19

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 # Same

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
	06/04/19	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 1.7-0=1.6 IR #2 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CW	Date: 6/5/19 Time: 8:45	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 17, 2019

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1106709
Samples Received:	06/07/2019
Project Number:	03161400.B.PN.GEN.LD
Description:	Lewis Drive Site Surface water event

Report To: Bethany Garvey
6600 Peachtree Dunwoody Road
400 Embassy Row - Suite 600
Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

SW01-060619 L1106709-01 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 09:30
Received date/time: 06/07/19 08:45

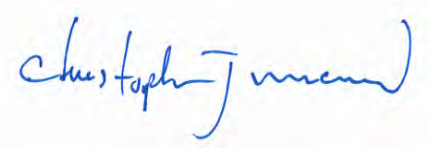
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293928	1	06/11/19 02:12	06/11/19 02:12	BMB	Mt. Juliet, TN

SW07-060619 L1106709-02 GW

Collected by: Melissa Warren
Collected date/time: 06/06/19 09:45
Received date/time: 06/07/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1293928	1	06/11/19 02:32	06/11/19 02:32	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	06/11/2019 02:12	WG1293928
Toluene	ND		1.00	1	06/11/2019 02:12	WG1293928
Ethylbenzene	ND		1.00	1	06/11/2019 02:12	WG1293928
o-Xylene	ND		1.00	1	06/11/2019 02:12	WG1293928
m&p-Xylene	ND		2.00	1	06/11/2019 02:12	WG1293928
Xylenes, Total	ND		3.00	1	06/11/2019 02:12	WG1293928
Methyl tert-butyl ether	1.93		1.00	1	06/11/2019 02:12	WG1293928
Naphthalene	ND		5.00	1	06/11/2019 02:12	WG1293928
(S) Toluene-d8	*101*		*80.0-120*		*06/11/2019 02:12*	WG1293928
(S) 4-Bromofluorobenzene	*99.7*		*77.0-126*		*06/11/2019 02:12*	WG1293928
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/11/2019 02:12*	WG1293928

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	06/11/2019 02:32	WG1293928
Toluene	ND		1.00	1	06/11/2019 02:32	WG1293928
Ethylbenzene	ND		1.00	1	06/11/2019 02:32	WG1293928
o-Xylene	ND		1.00	1	06/11/2019 02:32	WG1293928
m&p-Xylene	ND		2.00	1	06/11/2019 02:32	WG1293928
Xylenes, Total	ND		3.00	1	06/11/2019 02:32	WG1293928
Methyl tert-butyl ether	ND		1.00	1	06/11/2019 02:32	WG1293928
Naphthalene	ND		5.00	1	06/11/2019 02:32	WG1293928
(S) Toluene-d8	*96.5*		*80.0-120*		*06/11/2019 02:32*	WG1293928
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*06/11/2019 02:32*	WG1293928
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*06/11/2019 02:32*	WG1293928

Method Blank (MB)

(MB) R3420927-2 06/10/19 22:37

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
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3420927-1 06/10/19 21:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	20.9	83.7	70.0-130	
Ethylbenzene	25.0	22.9	91.7	70.0-130	
Methyl tert-butyl ether	25.0	25.1	101	70.0-130	
Naphthalene	25.0	26.2	105	70.0-130	
o-Xylene	25.0	22.2	88.7	70.0-130	
m&p-Xylenes	50.0	49.9	99.8	70.0-130	
Toluene	25.0	21.4	85.6	70.0-130	
Xylenes, Total	75.0	72.1	96.1	70.0-130	
(S) Toluene-d8			*96.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.5*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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.

ACCREDITATIONS & LOCATIONS

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

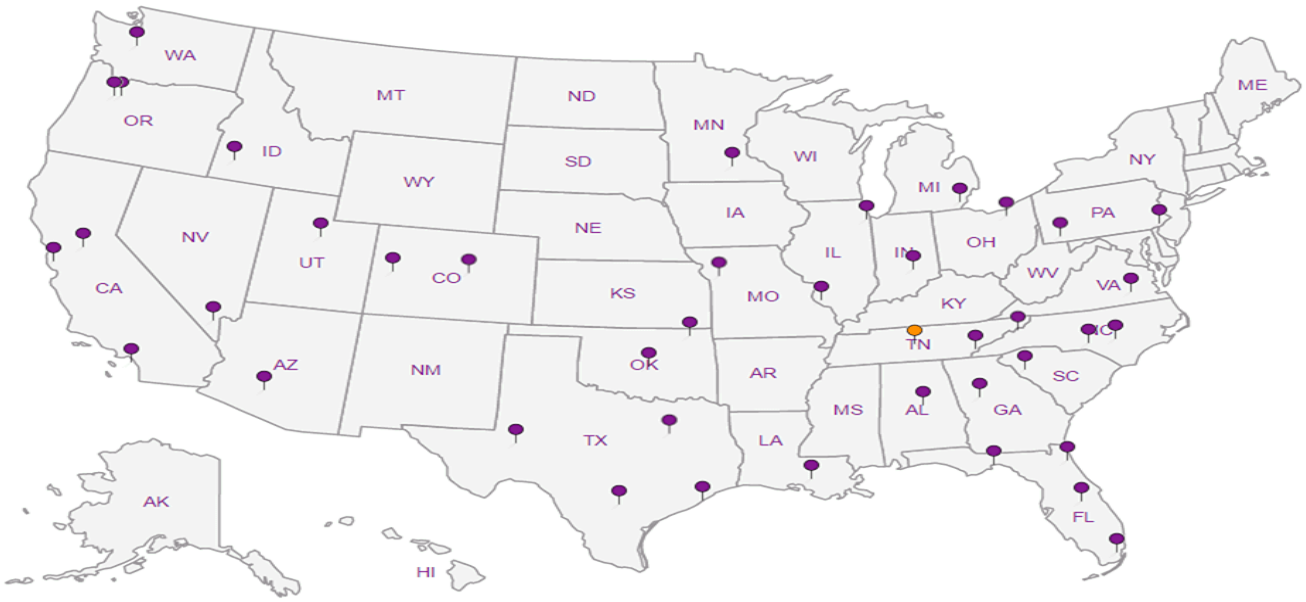
Third Party Federal Accreditations

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 Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # D3161400.B.PN.GEN. LDOMR.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

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
Date Results Needed

Quote #

Pres Chk: X

Analysis / Container / Preservative: V8260BTEXNSC 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	Remarks	Sample # (lab only)
SW01-060619	GRAB	GW	NA	06/06/19	0930	3	X		-01
SW07-060619	GRAB	GW	NA	06/06/19	0945	3	X		02
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X	RAD SCREEN: <0.5 mR/hr	
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		
		GW				3	X		

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# L1166769

1179

Acctnum: KINCH2MGA
Template: T120701
Prelogin: P708639
TSR: 526 - Chris McCord
PB:

Shipped Via: FedEX Standard

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

Remarks: V8260BTEXNSC=BTEX + Naphthalene + MTBE

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1023 1355 6320

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	06/06/19	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: °C Bottles Received: 0910:04 AG 6

Date: 6/7/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)