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November 28, 2017

*Delivered via FedEx Overnight Delivery*

Ms. Bobbi Coleman  
South Carolina Department of Health and Environmental Control (SCDHEC)  
Assessment Section, UST Management Division  
Bureau of Land and Waste Management  
2600 Bull Street  
Columbia, SC 29201

Subject: **Lewis Drive – October 2017 Monthly Status Update**  
Plantation Pipe Line Company  
Belton, South Carolina  
Site ID #18693, “Kinder Morgan Belton Pipeline Release”



Dear Ms. Coleman,

On behalf of Plantation Pipe Line Company (Plantation), CH2M HILL Engineers, Inc. (CH2M) is submitting the attached Monthly Status Update covering activities conducted in October 2017 at the Lewis Drive site. If you have any questions or concerns, please call me at 919-760-1777, Mr. Scott Powell/CH2M at 678-530-4457, or Mr. Jerry Aycock/Plantation at 770-751-4165.

Regards,  
CH2M HILL Engineers, Inc.

William M. Waldron, P.E.  
Program Manager

**Attachments:**

- **Monthly Status Update including:**
  - Figure 1 – Groundwater and Surface Water Elevation Map
  - Figure 2 – Product Thickness Map
  - Table 1 – Field Observations
  - Table 2 – Stream Gauge Construction Information
  - Table 3 – Well Construction Information
  - Table 4 – Groundwater Elevation and Product Thickness Data
  - Table 5 – Analytical Results for Groundwater
  - Groundwater Analytical Laboratory Reports

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File

**Monthly Status Update**  
**Plantation Pipe Line Company**  
**Lewis Drive Remediation**  
**Site ID #18693 “Kinder Morgan Belton Pipeline Release”**  
**October 2017**

**Surface Water**

- Routinely inspected Brown’s Creek and the wetland area south of West Calhoun Road adjacent to Cupboard Creek for hydrocarbon sheen, odor, or distressed vegetation. No new signs of distressed vegetation, hydrocarbon sheen, or odor were noted at Brown’s Creek or the wetland area south of West Calhoun Road adjacent to Cupboard Creek. The route of inspection is indicated on Figure 1. A summary of the field observations is provided in Table 1.
- Stream elevations from staff gauges are tabulated in Table 2 and are shown along with groundwater elevations on Figure 1.
- During this reporting period, surface water samples were not collected. The surface water sampling frequency decreased from monthly to quarterly as stated in the Corrective Action Plan Addendum Revision 1, submitted to South Carolina Department Health and Environmental Control (SCDHEC) on May 25, 2017. The next surface water sampling event will be performed in December.

**Product Recovery**

- Gauged depth to product and depth to water in recovery sumps/trenches/wells, piezometers, monitoring wells, and stream gauges on a routine basis. A site-wide gauging event was performed on October 20 and 21, 2017. Seven locations displayed measurable product thicknesses of 0.5 foot or greater. The greatest product thickness measured from a recovery feature (recovery sumps, trenches, and wells) was 0.90 feet, at RW-05. The greatest product thickness measured from a non-recovery feature (piezometers, monitoring wells, and stream gauges) was 0.90 feet, at TW-28. All locations showing greater than 0.5 feet of product are away from surface water bodies at the site. Construction information for recovery features, piezometers, and monitoring wells is presented in Table 3. Groundwater elevation and product thickness data for October 2017 are presented in Table 4. Groundwater elevation and product thicknesses for October 2017 are presented on Figures 1 and 2, respectively.
- Less product was recovered in October 2017 than could be measured accurately by gauging the 1,500-gallon holding tanks. See Table 4 for the specific dates and times certain wells and sumps were used for product recovery.
- Through the end of October 2017, approximately 222,974 gallons (5,309 barrels) of product have been collected.

**Groundwater**

- Operated and recorded data from five continuous water level data loggers (In Situ Rugged Troll 100) in MW-02, MW-12, MW-15, MW-20, and MW-40, and two barometric pressure loggers in MW-01 and MW-10 during the month.
- Collected monthly groundwater samples in accordance with the Corrective Action Plan and Addendum. The analytical lab report is attached and results are summarized in Table 5.
  - During this reporting period, groundwater samples were collected on October 4, 2017, from 14 monitoring wells. Samples were analyzed for benzene, ethylbenzene, toluene, xylenes, 1,2-dichloroethane, methyl tert-butyl ether (MTBE), and naphthalene.
  - The following constituents were detected above their respective groundwater standards:
    - Benzene – in seven monitoring wells ranging from 93.5 to 13,800 µg/L
    - Toluene – in three monitoring wells ranging from 365 to 28,800 µg/L
    - Xylenes – in one monitoring well with the result of 11,200 µg/L
    - MTBE – in three monitoring wells ranging from 90.1 to 305 µg/L
  - Apart from these locations, no dissolved hydrocarbons were detected above their respective groundwater standards in the remaining groundwater samples.
- Installed residuum aquifer monitoring well MW-43 and bedrock aquifer monitoring wells MW-06B, MW-09B, MW-43B, MW-48B, and MW-50B.

### **Remedial System Operation**

- Continued biosparging via vertical well curtains in the Brown's Creek Protection Zone and Cupboard Creek Protection Zone, and biosparging via horizontal wells in the Hayfield Zone.
- In accordance with the *Sparging Operating Limits* letter sent to SCDHEC dated July 26, 2017, and approved September 12, 2017, the flows in the vertical sparging wells and stream aerators were incrementally increased to approximately 8 standard cubic feet per minute (scfm) each during this time period. Likewise, the flows in the 3 horizontal wells in the Hayfield Zone were incrementally increased to approximately 0.2 scfm per foot of screen during this time period.

### **Regulatory Interaction**

- Submitted *Second Quarter 2017 Monitoring Report (April 1 – June 30)* to SCDHEC on October 6, 2017.
- Submitted *Monthly Status Update for August 2017* to SCDHEC on October 9, 2017.
- Submitted *Response to Comments in SCDHEC Letter titled "Final Revision to Corrective Action Plan Addendum Request" dated September 12, 2017* to SCDHEC on October 12, 2017.
- Submitted *CAP Addendum Revision 2* to SCDHEC on October 12, 2017.
- Submitted *Monthly Status Update for September 2017* to SCDHEC on October 16, 2017.
- Conducted internal stormwater pollution prevention plan (SWPPP) inspections on October 3, 11, 17, and 24, 2017.
- The Anderson County Stormwater Department performed a SWPPP inspection on October 30, 2017. No findings were noted.

### **Future Activities**

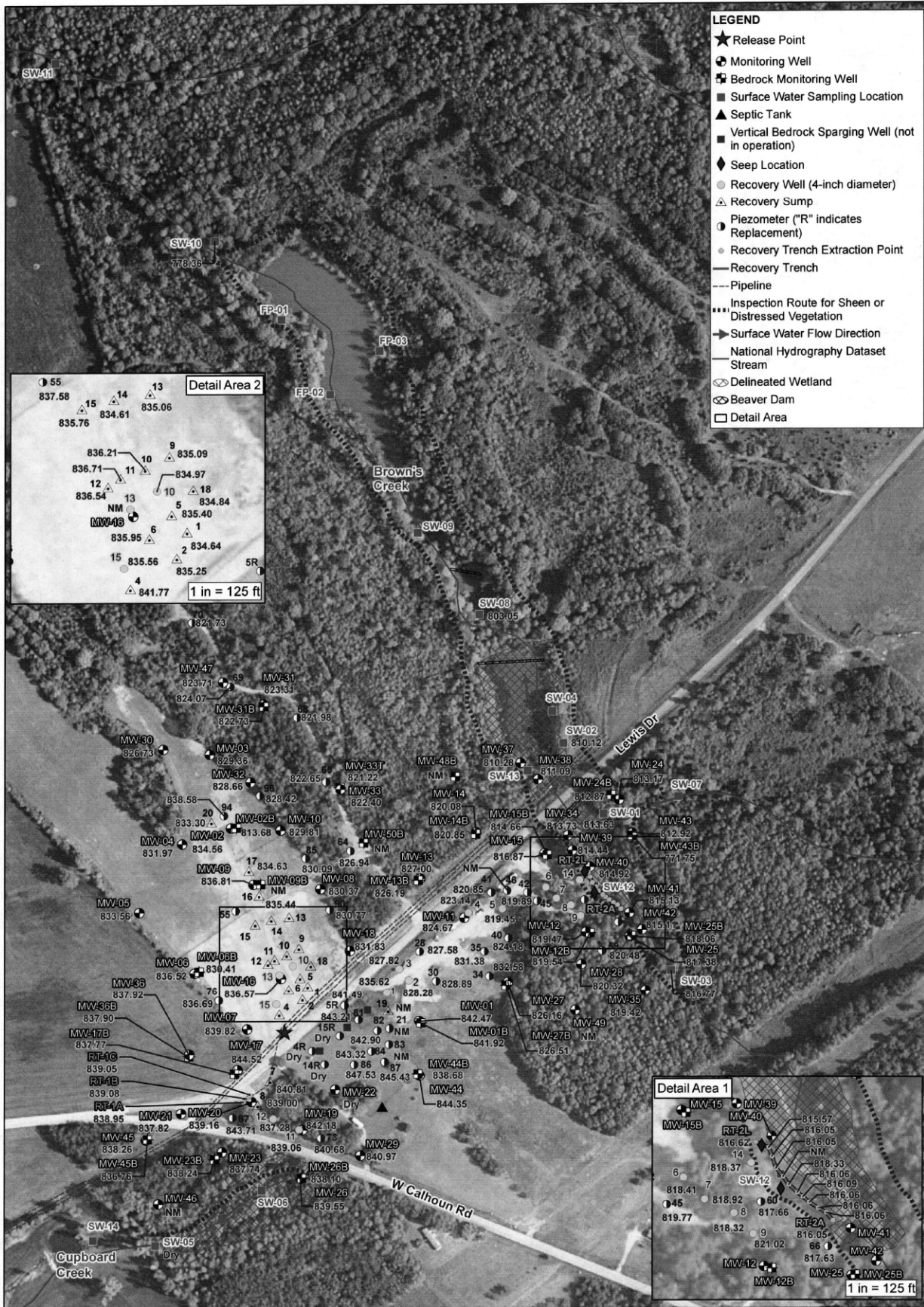
- In accordance with the *Sparging Operating Limits* letter to SCDHEC dated July 26, 2017:
  - Increase flow in the stream aerators to up to a maximum of 15 scfm each.
  - Increase flow in the vertical sparging wells up to a maximum of 15 scfm each.
  - Increase flow in the horizontal sparging wells up to a maximum of 0.75 scfm per foot of screen.
- Conduct monitoring and reporting monthly.
- Gauge select recovery sumps, trenches, and wells once weekly located near Brown's Creek and Cupboard Creek for depth to groundwater and free product thickness.
- Evacuate product from select product recovery sumps, trenches, and wells once weekly located near Brown's Creek and Cupboard Creek.
- Gauge monitoring wells and piezometers monthly for depth to groundwater and free product thickness.
- Collect liquids in two on-site 1,550-gallon poly tanks for eventual off-site disposal.
- Continue routine visual inspections of Brown's Creek and Cupboard Creek.
- Conduct quarterly surface water sampling at 17 established locations along Brown's Creek and Cupboard Creek in December 2017.
- Continue coordination with landowners and legal counsel on an as-needed basis.

### Cumulative Product Shipped from the Site

Date	Destination	Total Product (gal)	Date	Destination	Total Product (gal)
12/9/2014	PPL Greensboro	4,289	6/3/2015	Allied Energies	6,500
12/9/2014	PPL Greensboro	3,100	6/3/2015	Allied Energies	4,214
12/12/2014	PPL Greensboro	1,189	8/10/2015	Allied Energies	6,000
12/30/2014	Crystal Clean (FCC)	5,057	11/2/2015	Allied Energies	5,800
12/31/2014	Crystal Clean (FCC)	5,333	11/13/2015	Crystal Clean (FCC)	2,900
1/4/2015	Crystal Clean (FCC)	5,000	12/1/2015	Allied Energies	6,690
1/4/2015	Crystal Clean (FCC)	2,872	12/1/2015	Allied Energies	6,700
1/5/2015	Crystal Clean (FCC)	5,013	12/7/2015	Crystal Clean (FCC)	500
1/6/2015	Crystal Clean (FCC)	4,800	9/28/2016	Shamrock	495
1/7/2015	Allied Energies	6,532	10/17/2016	Shamrock	110
1/7/2015	Allied Energies	6,425	10/24/2016	Shamrock	85
1/7/2015	Allied Energies	8,200	10/31/2016	Shamrock	70
1/9/2015	Allied Energies	6,482	11/10/2016	Shamrock	168
1/9/2015	Allied Energies	7,825	1/18/2017	A&D Archdale, NC	3,758
1/12/2015	Allied Energies	6,540	3/3/2017	A&D Archdale, NC	460
1/12/2015	Allied Energies	6,467	3/8/2017	A&D Archdale, NC	500
1/13/2015	Allied Energies	6,732	3/15/2017	A&D Archdale, NC	4,189
1/13/2015	Allied Energies	6,595	4/3/2017	A&D Archdale, NC	458
1/15/2015	Allied Energies	6,500	4/19/2017	A&D Archdale, NC	927
1/22/2015	Allied Energies	5,791	4/19/2017	A&D Archdale, NC	747
1/23/2015	Allied Energies	5,450	5/22/2017	A&D Archdale, NC	50
1/27/2015	Allied Energies	5,791	6/7/2017	A&D Archdale, NC	658
1/27/2015	Allied Energies	5,557	6/29/2017	A&D Archdale, NC	695
1/27/2015	Allied Energies	6,043	8/25/2017	A&D Archdale, NC	566
1/28/2015	Allied Energies	4,411	9/8/2017	A&D Archdale, NC	99
2/5/2015	Allied Energies	5,513	10/26/2017	Remaining in poly tanks on site	6
2/11/2015	Allied Energies	5,732			
2/11/2015	Allied Energies	5,606			
2/25/2015	Allied Energies	5,583			
3/4/2015	Allied Energies	4,000			
3/16/2015	Allied Energies	5,200			
				<b>Total (gallons)</b>	<b>222,974</b>
				<b>Total (barrels)</b>	<b>5,309</b>

Notes:

- Gasoline and water are field-segregated using two 1,550-gallon poly tanks prior to off-site disposal.



- LEGEND**
- ★ Release Point
  - ⊕ Monitoring Well
  - ⊕ Bedrock Monitoring Well
  - Surface Water Sampling Location
  - ▲ Septic Tank
  - Vertical Bedrock Sparging Well (not in operation)
  - ◆ Seep Location
  - Recovery Well (4-inch diameter)
  - △ Recovery Sump
  - ⊕ Piezometer ("R" indicates Replacement)
  - Recovery Trench Extraction Point
  - Recovery Trench
  - Pipeline
  - ⋯ Inspection Route for Sheen or Distressed Vegetation
  - Surface Water Flow Direction
  - National Hydrography Dataset Stream
  - ⊕ Delineated Wetland
  - ⊕ Beaver Dam
  - Detail Area

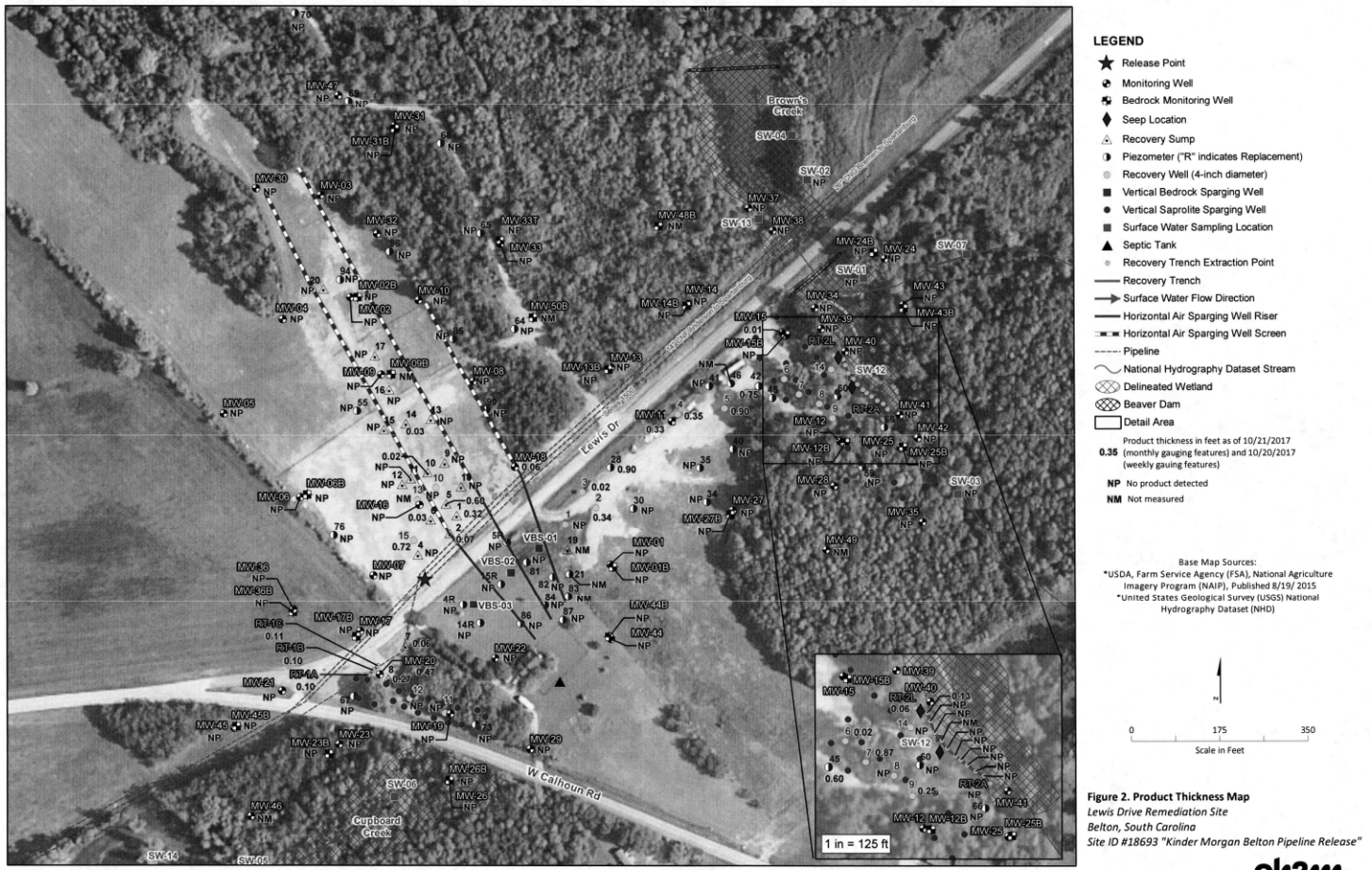
**816.87** Corrected Groundwater Elevation as of 10/21/2017 (monthly gauging features) and 10/20/2017 (weekly gauging features) in feet above mean sea level

**NM** Not measured

Base Map Sources:  
 \*USDA, Farm Service Agency (FSA), National Agriculture Imagery Program (NAIP), Published 8/19/2015  
 \*United States Geological Survey (USGS)  
 National Hydrography Dataset (NHD)

**Figure 1. Groundwater and Surface Water Elevation Map**  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

DRAFT



- LEGEND**
- ★ Release Point
  - Monitoring Well
  - ⊕ Bedrock Monitoring Well
  - ◆ Seep Location
  - △ Recovery Well
  - ⊖ Piezometer ("R" indicates Replacement)
  - Recovery Well (4-inch diameter)
  - Vertical Bedrock Sparging Well
  - Vertical Saporite Sparging Well
  - Surface Water Sampling Location
  - ▲ Septic Tank
  - Recovery Trench Extraction Point
  - Recovery Trench
  - Surface Water Flow Direction
  - Horizontal Air Sparging Well Riser
  - Horizontal Air Sparging Well Screen
  - Pipeline
  - ~ National Hydrography Dataset Stream
  - ▨ Delineated Wetland
  - ▧ Beaver Dam
  - Detail Area
- Product thickness in feet as of 10/21/2017  
 0.38 (monthly gauging features) and 10/20/2017  
 (weekly gauging features)
- NP No product detected  
 NM Not measured

Base Map Sources:  
 \*USDA, Farm Service Agency (FSA), National Agriculture Imagery Program (NAIP), Published 8/19/2015  
 \*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

0 175 350  
 Scale in Feet

**Figure 2. Product Thickness Map**  
 Lewis Drive Remediation Site  
 Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"



**Table 1. Field Observation Log**

*Plantation Pipe Line Company*

*Lewis Drive Remediation Site, Belton, South Carolina*

*Site ID #18693 "Kinder Morgan Belton Pipeline Release"*

<b>Date</b>	<b>Inspect Wetlands South of Calhoun Road (Any odor, sheen or distressed vegetation? Describe.)</b>	<b>Inspect Brown's Creek Upstream and Downstream of the Culvert Under Lewis Drive (Any odor, sheen or distressed vegetation? Describe.)</b>
10/6/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
10/12/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
10/20-21/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
10/26/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.

Notes:

ID = identification



**Table 2. Stream Gauge Construction Information**

*Plantation Pipe Line Company*

*Lewis Drive Remediation Site, Belton, South Carolina*

*Site ID #18693 "Kinder Morgan Belton Pipeline Release"*

<b>Location ID</b>	<b>Installation Method</b>	<b>Date Installed</b>	<b>Stream Bottom</b>	<b>Elevation of Zero</b>
			<b>Elevation (ft amsl)</b>	<b>Mark (ft amsl)</b>
SW-01	By hand	3/29/2016	812.39	812.82
SW-02	By hand	3/29/2016	808.36	808.65
SW-03	By hand	3/29/2016	815.05	815.09
SW-05	By hand	3/29/2016	838.69	838.75
SW-08	By hand	3/29/2016	802.14	802.04
SW-10	By hand	3/29/2016	776.62	778.09
SW-14	By hand	7/18/2017	837.13	NS

**Notes:**

amsl = above mean sea level relative to North American Vertical Datum of 1988 (NAVD88). Benchmark is 34.8289659 degrees north, 82.3710354 degrees west (NAD83, 2011), elevation 929.1 ft NAVD88

ft = feet

Table 3. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft BTOC)	Bottom of Screen or Open Borehole Interval (ft BTOC)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
MW-01	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	850.25	853.07	15.61	8	2	13.00	837.2	5.82	15.82	3.0	13.0	847.2	837.2	10.00
MW-01B	Schramm Air Rig	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	850.45	852.99	45.26	10	6	38.50	812.0	21.03	41.03	18.5	38.5	832.0	812.0	20.00
MW-02	CME 750 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	841.24	841.04	19.78	8	2	20.00	821.2	4.80	19.80	5.0	20.0	832.0	821.2	15.00
MW-02B	Schramm Air Rig/rehabbed (10/5/2017) with a Mobile Drill B57	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	841.18	841.19	81.55	10	2	81.70	759.5	70.00	81.70	70.0	81.7	771.2	759.5	13
MW-03	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	838.38	838.36	22.19	8	2	20.00	818.4	4.98	19.98	5.0	20.0	833.4	818.4	15.00
MW-04	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	844.51	844.42	20.65	8	2	20.00	824.5	4.91	19.91	5.0	20.0	839.5	824.5	15.00
MW-05	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	851.15	851.11	19.89	8	2	20.00	831.1	4.96	19.96	5.0	20.0	846.1	831.1	15.00
MW-06	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	852.98	852.92	19.20	8	2	19.60	833.4	4.54	19.54	5.0	19.6	848.0	833.4	15.00
MW-06B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	852.42	852.57	85.65	13.75	4	85.20	767.2	65.50	85.50	65.5	85.5	786.9	766.9	20.00
MW-07	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	853.02	853.02	13.60	8	2	13.50	839.5	3.50	13.50	3.5	13.5	849.5	839.5	10
MW-08	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	844.75	844.72	19.80	8	2	19.70	825.1	4.67	19.67	4.7	19.7	840.1	825.1	15.00
MW-09	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	843.71	843.63	20.21	8	2	19.50	824.2	4.41	19.41	4.5	19.5	839.2	824.2	15.00
MW-09B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	843.71	843.92	151.00	13.75	4	151.00	692.7	132.20	151.00	132.2	151.0	711.5	692.7	20.00
MW-10	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	842.33	845.41	23.54	8	2	20.00	822.3	8.08	23.08	5.0	20.0	837.3	822.3	15.00
MW-11	CME 550 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	852.36	855.63	32.50	8	2	25.20	827.2	13.27	28.27	14.2	25.0	838.2	827.4	15.00
MW-12	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	832.20	834.53	21.69	8	2	19.30	812.9	6.63	21.63	4.3	19.3	827.9	812.9	15.00
MW-12B	Geoprobe 3230 DT HSA	MW-10460	12/22/2015	Still in use	Monitoring Well/Gauging	832.26	834.98	45.81	10	6	43.00	789.3	35.72	45.72	33.0	43.0	799.3	789.3	10.00
MW-13	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	845.93	848.84	22.18	8	2	19.00	826.9	6.92	21.92	4.0	19.0	841.9	826.9	15.00
MW-13B	Geoprobe 3230 DT HSA	MW-10461	12/21/2015	Still in use	Monitoring Well/Gauging	847.19	849.82	55.36	10	6	58.00	789.2	50.64	60.64	48.0	58.0	799.2	789.2	10.00
MW-14	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	836.47	838.70	22.20	8	2	19.30	817.2	6.53	21.53	4.3	19.3	832.2	817.2	15.00
MW-14B	Mobile ST Schramm	MW-10578	5/3/2016	Still in use	Monitoring Well/Gauging	837.12	840.20	76.97	10	6	76.90	760.2	66.07	76.07	66.0	76.0	771.1	761.1	10.00
MW-15	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	828.68	831.03	21.22	8	2	19.00	809.7	6.35	21.35	4.0	19.0	824.7	809.7	15.00
MW-15B	CME 550 HSA	MW-10136	7/28/2015	Still in use	Monitoring Well/Gauging	828.66	831.29	74.41	10	6	77.85	750.8	70.48	80.48	67.9	77.9	760.8	750.8	10.00
MW-16	CME 750 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	847.63	847.67	20.37	8	2	20.00	827.6	5.03	20.03	5.0	20.0	842.6	827.6	15.00
MW-17	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	855.32	855.35	15.30	8	2	11.00	844.3	6.03	11.03	6.0	11.0	849.3	824.3	5.00
MW-17B	Geoprobe 3230 DT HSA	MW-10462	1/7/2016	Still in use	Monitoring Well/Gauging	855.37	855.37	27.50	10	6	27.00	828.4	17.00	27.00	17.0	27.0	838.4	828.4	10.00
MW-18	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	846.82	846.89	19.75	8	2	20.00	826.8	5.06	20.06	5.0	20.0	841.8	826.8	15.00
MW-19	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	851.23	853.94	12.13	8	2	9.50	841.7	7.20	12.20	4.5	9.5	846.7	841.7	5.00
MW-20	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	853.07	852.89	19.45	8	2	19.00	834.1	3.81	18.81	4.0	19.0	849.1	834.1	15.00
MW-21	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	855.68	855.77	20.70	8	2	20.00	835.7	5.09	20.09	5.0	20.0	850.7	835.7	15.00
MW-22	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	854.62	854.60	10.30	8	2	11.00	843.6	5.98	10.98	6.0	11.0	848.6	843.6	5.00
MW-23	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	846.66	849.57	23.50	8	2	20.00	826.7	7.91	22.91	5.0	20.0	841.7	826.7	15.00
MW-23B	CME 550 HSA	MW-10136	7/22/2015	Still in use	Monitoring Well/Gauging	846.81	849.69	53.48	10	6	50.50	796.3	30.88	53.38	28.0	50.5	818.8	796.3	22.50
MW-24	CME 550 HSA	MW-10136	7/15/2015	Still in use	Monitoring Well/Gauging	815.72	817.92	15.30	8	2	13.00	802.7	10.20	15.20	8.0	13.0	807.7	802.7	5.00
MW-24B	CME 550 HSA	MW-10136	7/20/2015	Still in use	Monitoring Well/Gauging	815.83	818.72	45.10	10	6	39.50	776.3	22.39	42.39	19.5	39.5	796.3	776.3	20.00
MW-25	Geoprobe 3230 DT HSA	MW-10463	1/5/2016	Still in use	Monitoring Well/Gauging	823.46	823.18	18.07	8	2	15.00	808.5	8.04	18.04	5.0	15.0	818.5	808.5	10.00
MW-25B	Geoprobe 3230 DT HSA	MW-10464	1/5/2016	Still in use	Monitoring Well/Gauging	822.59	823.81	59.00	10	6	58.00	764.6	49.22	59.22	48.0	58.0	774.6	764.6	10.00
MW-26	Geoprobe 3230 DT HSA	MW-10465	1/4/2016	Still in use	Monitoring Well/Gauging	844.76	847.56	17.15	8	2	15.25	829.5	7.27	17.27	5.0	15.0	839.8	829.8	10.00
MW-26B	Geoprobe 3230 DT HSA	MW-10466	1/4/2016	Still in use	Monitoring Well/Gauging	844.81	847.81	43.84	10	6	38.00	806.8	29.00	41.00	26.0	38.0	818.8	806.8	12.00
MW-27	Geoprobe 3230 DT HSA	MW-10467	1/5/2016	Still in use	Monitoring Well/Gauging	854.22	854.11	29.51	8	2	30.25	824.0	15.11	30.11	15.0	30.0	839.2	824.2	15.00
MW-27B	CME 550 HSA / Schramm	MW-10578	4/26/2016	Still in use	Monitoring Well/Gauging	854.27	857.14	41.45	10	6	46.00	808.3	31.45	41.45	36.0	46.0	818.3	808.3	10.00
MW-28	Geoprobe 3230 DT HSA	MW-10468	1/5/2016	Still in use	Monitoring Well/Gauging	841.49	844.31	25.93	8	2	23.50	818.0	8.50	23.50	10.0	25.0	831.5	818.5	15.00
MW-29	Geoprobe 3230 DT HSA	MW-10469	1/4/2016	Still in use	Monitoring Well/Gauging	852.07	852.20	15.10	8	2	15.25	836.8	5.00	15.00	5.0	15.0	847.1	837.1	10.00
MW-30	Geoprobe 3230 DT HSA	MW-10470	1/6/2016	Still in use	Monitoring Well/Gauging	841.21	841.28	14.69	8	2	15.25	826.0	5.00	15.00	5.0	15.0	836.2	826.2	10.00
MW-31	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	842.26	845.04	26.80	8	2	25.00	817.3	13.20	28.20	10.0	25.0	832.3	817.3	15.00
MW-31B	CME 550 HSA / Schramm	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	842.01	844.94	79.25	10	6	76.00	766.0	68.25	79.25	65.0	76.0	777.0	766.0	11.00

**Table 3. Well Construction Information**  
 Plantation Pipe Line Company  
 Lewis Drive Remediation Site, Belton, South Carolina  
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or	Bottom of Screen or	Top of Screen or	Bottom of Screen or	Top of Screen or	Bottom of Screen or	Length of Screen or
													Open Borehole Interval (ft BTOC)	Open Borehole Interval (ft BTOC)	Open Borehole Interval (ft bgs)	Open Borehole Interval (ft bgs)	Open Borehole Interval (ft amsl)	Open Borehole Interval (ft)	
MW-32	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	839.81	842.93	29.09	8	2	26.00	813.8	13.09	28.09	10.0	25.0	829.8	814.8	15.00
MW-33	CME 550 HSA	MW-10578	4/15/2016	Still in use	Monitoring Well/Gauging	846.20	849.20	28.30	8	2	27.00	819.2	11.30	26.30	10.0	25.0	836.2	821.2	15.00
MW-33T	CME 550 HSA/Air Rotary	MW-10578	4/14/2016	Still in use	Monitoring Well/Gauging	846.15	849.11	100.35	4	2	96.50	749.7	87.85	97.85	84.0	94.0	762.2	752.2	10.00
MW-34	Hand Auger	MW-10994	3/16/2017	Still in use	Monitoring Well/Gauging	813.99	816.35	7.86	4	2	5.00	809.0	5.36	7.86	2.5	5.0	811.5	809.0	2.50
MW-35	CME 550 HSA	MW-10578	4/20/2016	Still in use	Monitoring Well/Gauging	826.22	829.40	28.42	8	2	26.00	800.2	12.42	27.42	10.0	25.0	816.2	801.2	15.00
MW-36	CME 550 HSA	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	858.66	858.47	23.65	8	2	24.50	834.2	8.65	23.65	9.5	24.5	849.2	834.2	15.00
MW-36B	CME 550 HSA / Schramm	MW-10578	4/28/2016	Still in use	Monitoring Well/Gauging	858.49	858.15	47.54	10	6	54.90	803.6	36.64	46.64	44.0	54.0	814.5	804.5	10.00
MW-37	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	810.93	813.92	18.11	6.25	2	16.00	794.9	7.11	17.11	5.0	15.0	805.9	795.9	10.00
MW-38	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	810.49	813.28	11.61	6.25	2	9.10	801.4	6.41	11.41	3.9	8.9	806.6	801.6	5.00
MW-39	Geoprobe 8040 HSA	MW-10759	11/29/2016	Still in use	Monitoring Well/Gauging	816.92	819.90	13.01	6.25	2	11.00	805.9	7.01	12.01	5.0	10.0	811.9	806.9	5.00
MW-40	Geoprobe 8040 HSA	MW-10759	11/30/2016	Still in use	Monitoring Well/Gauging	814.75	817.79	13.18	6.25	2	11.00	803.8	7.18	12.18	5.0	10.0	809.8	804.8	5.00
MW-41	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	816.67	819.68	13.20	6.25	2	11.00	805.7	7.20	12.20	5.0	10.0	811.7	806.7	5.00
MW-42	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	817.31	820.33	13.40	6.25	2	11.00	806.3	7.40	12.40	5.0	10.0	812.3	807.3	5.00
MW-43	Mobile Drill B57	MW-10964	10/20/2017	Still in use	Monitoring Well/Gauging	815.92	818.12	10.30	8.5	2	7.50	808.42	5.30	10.30	2.5	7.5	813.42	808.42	5.00
MW-43B	Mobile Drill B57	MW-10964	10/20/2017	Still in use	Monitoring Well/Gauging	816.08	818.80	54.40	13.75	4	51.00	765.08	34.40	54.40	31.0	51.0	785.08	765.08	20.00
MW-44	Hollow Stem Auger	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	853.82	853.67	9.82	6.25	2	10.00	843.8	4.82	9.82	5.0	10.0	848.8	843.8	5.00
MW-44B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	853.66	853.38	34.50	10.25	4	37.10	816.6	13.50	34.50	16.1	37.1	837.6	816.6	21.00
MW-45	Hollow Stem Auger	MW-10964	1/26/2017	Still in use	Monitoring Well/Gauging	852.39	852.47	14.42	6.25	2	14.00	838.4	4.42	14.42	4.0	14.0	848.4	838.4	10.00
MW-45B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/25/2017	Still in use	Monitoring Well/Gauging	852.69	852.85	40.30	10.25	4	40.30	812.4	19.00	40.30	19.0	40.3	833.7	812.4	21.30
MW-46	Geoprobe 8040 DT	MW-11117	9/13/2017	Still in use	Monitoring Well/Gauging	842.43	845.47	17.05	8.5	2	14.00	828.4	12.05	17.05	9.0	14.0	833.4	828.4	5.00
MW-47	Geoprobe 8040 DT	MW-11117	9/14/2017	Still in use	Monitoring Well/Gauging	839.89	842.98	22.79	8.5	2	20.00	819.9	12.79	22.79	10.0	20.0	829.9	819.9	10.00
MW-48B	Mobile Drill B57	MW-11117	10/18/2017	Still in use	Monitoring Well/Gauging	829.53	832.34	94.50	13.75	4	91.00	738.5	74.50	94.50	71.0	91.0	758.5	738.5	20.00
MW-49	Geoprobe 8040 DT	MW-11117	9/14/2017	Still in use	Monitoring Well/Gauging	843.65	846.78	23.30	8.5	2	21.00	822.7	8.30	23.30	6.0	21.0	837.7	822.7	15.00
MW-50B	Mobile Drill B57	MW-11247	10/17/2017	Still in use	Monitoring Well/Gauging	847.11	850.34	109.60	13.75	4	106.00	741.1	89.60	109.60	96.0	106.0	751.1	741.1	20.00
<b>Recovery Wells</b>																			
RW-01	HSA	MW-09978	1/28/2015	Still in use	Gauging/LNAPL Recovery	849.49	851.92	20.80	6.25	4	17	832.5	4.44	19.44	2.0	17.0	847.5	832.5	15
RW-02	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	850.22	852.69	25.72	6.25	4	23	827.2	15.47	25.47	13.0	23.0	837.2	827.2	10
RW-03	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	850.03	852.34	33.39	6.25	4	31.2	818.8	18.51	33.51	16.2	31.2	833.8	818.8	15
RW-04	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	852.15	853.93	35.04	6.25	4	33	819.2	14.78	34.78	13.0	33.0	839.2	819.2	20
RW-05	HSA	MW-09978	1/30/2015	Still in use	Gauging/LNAPL Recovery	850.99	853.53	38.25	6.25	4	34.5	816.5	22.04	37.04	19.5	34.5	831.5	816.5	15
RW-06	HSA	MW-09978	1/30/2015	Still in use	Gauging/LNAPL Recovery	844.21	846.21	38.50	6.25	4	38.5	805.7	20.49	40.49	18.5	38.5	825.7	805.7	20
RW-07	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	841.01	843.19	38.00	6.25	4	38	803.0	15.18	40.18	13.0	38.0	828.0	803.0	25
RW-08	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	833.46	835.48	33.50	6.25	4	33.5	800.0	10.52	35.52	8.5	33.5	825.0	800.0	25
RW-09	HSA	MW-09978	2/3/2015	Still in use	Gauging/LNAPL Recovery	831.13	835.12	42.13	6.25	4	41.5	789.6	15.49	45.49	11.5	41.5	819.6	789.6	30
RW-10	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	846.76	848.53	66.51	6.25	4	68.5	778.3	5.27	70.27	3.5	68.5	843.3	778.3	65
RW-11	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	851.03	852.97	21.40	6.25	4	19.5	831.5	6.44	21.44	4.5	19.5	846.5	831.5	15
RW-12	HSA	MW-10006	2/5/2015	Still in use	Gauging/LNAPL Recovery	851.64	854.49	16.90	6.25	4	14	837.6	6.90	16.90	4.0	14.0	847.6	837.6	10
RW-13	HSA	MW-10006	2/5/2015	Still in use	Gauging/LNAPL Recovery	847.57	847.97	45.53	6.25	4	50	797.6	0.53	45.53	5.0	50.0	842.6	797.6	45
RW-14	HSA	MW-10006	2/6/2015	Still in use	Gauging/LNAPL Recovery	826.25	827.54	55.00	6.25	4	55	771.2	5.00	55.00	5.0	55.0	821.2	771.2	50
RW-15	HSA	MW-10006	2/10/2015	Still in use	Gauging/LNAPL Recovery	849.48	851.64	36.50	6.25	4	36.5	813.0	1.50	36.50	1.5	36.5	848.0	813.0	35
<b>Recovery Sumps</b>																			
RS-01	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	847.95	849.13	23.60	NA	4	22.42	825.5	3.18	23.60	2.0	22.4	845.9	825.5	20.42
RS-02	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	848.54	849.52	20.00	NA	4	19.02	829.5	2.98	20.00	2.0	19.0	846.5	829.5	17.02
RS-04	Trackhoe	MW-09978	12/30/2014	Still in use	Gauging/LNAPL Recovery	850.36	851.47	10.75	NA	4	9.64	840.7	3.11	10.75	2.0	9.6	848.4	840.7	7.64
RS-05	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	847.14	848.31	25.20	NA	4	24.03	823.1	3.17	25.20	2.0	24.0	845.1	823.1	22.03
RS-06	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	848.25	849.47	25.18	NA	4	23.96	824.3	3.22	25.18	2.0	24.0	846.2	824.3	21.96
RS-07	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	854.06	855.08	16.65	NA	4	15.63	838.4	3.02	16.65	2.0	15.6	852.1	838.4	13.63

Table 3. Well Construction Information

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

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft BTOC)	Bottom of Screen or Open Borehole Interval (ft BTOC)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
RS-08	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	852.59	854.00	20.22	NA	4	18.81	833.8	3.41	20.22	2.0	18.8	850.6	833.8	16.81
RS-09	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.75	847.60	18.85	NA	4	18.00	828.8	2.85	18.85	2.0	18.0	844.8	828.8	16.00
RS-10	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.28	847.42	20.06	NA	4	18.92	827.4	3.14	20.06	2.0	18.9	844.3	827.4	16.92
RS-11	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.35	847.44	22.06	NA	4	20.97	825.4	3.09	22.06	2.0	21.0	844.3	825.4	18.97
RS-12	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.58	847.74	21.29	NA	4	20.13	826.5	3.16	21.29	2.0	20.1	844.6	826.5	18.13
RS-13	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.39	845.98	19.92	NA	4	19.33	826.1	1.96	19.92	1.4	19.3	844.0	826.1	17.96
RS-14	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.66	845.97	19.93	NA	4	18.62	826.0	3.31	19.93	2.0	18.6	842.7	826.0	16.62
RS-15	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.36	846.41	19.93	NA	4	18.88	826.5	3.05	19.93	2.0	18.9	843.4	826.5	16.88
RS-16	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.56	845.44	19.98	NA	4	19.10	825.5	2.88	19.98	2.0	19.1	842.6	825.5	17.10
RS-17	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	843.29	844.22	19.91	NA	4	18.98	824.3	2.93	19.91	2.0	19.0	841.3	824.3	16.98
RS-18	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	846.82	847.89	19.98	NA	4	18.91	827.9	3.07	19.98	2.0	18.9	844.8	827.9	16.91
RS-20	Trackhoe	MW-09978	3/19/2015	Still in use	Gauging/LNAPL Recovery	841.73	842.69	11.84	NA	4	9.91	831.8	3.93	11.84	2.0	9.9	839.7	831.8	7.91
Recovery Trench Sumps																			
RT-1A	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	852.86	854.06	20.89	NA	4	20.00	832.9	3.20	21.20	2.0	20.0	850.9	832.9	18
RT-1B	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.29	854.15	21.10	NA	4	20.00	833.3	2.86	20.86	2.0	20.0	851.3	833.3	18
RT-1C	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.55	854.55	21.27	NA	4	20.00	833.5	3.00	21.00	2.0	20.0	851.5	833.5	18
RT-2A	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	815.66	817.48	10.81	NA	4	10.00	805.7	3.82	11.82	2.0	10.0	813.7	805.7	8
RT-2B	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.72	817.61	10.82	NA	4	10.00	806.7	2.89	10.89	2.0	10.0	814.7	806.7	8
RT-2C	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	815.86	818.06	10.23	NA	4	10.00	806.9	3.20	11.20	2.0	10.0	814.9	806.9	8
RT-2D	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.11	818.12	10.21	NA	4	10.00	807.1	3.01	11.01	2.0	10.0	815.1	807.1	8
RT-2E	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.32	818.25	10.24	NA	4	10.00	807.3	2.93	10.93	2.0	10.0	815.3	807.3	8
RT-2F	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.74	818.57	10.23	NA	4	10.00	807.7	2.83	10.83	2.0	10.0	815.7	807.7	8
RT-2G	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.27	820.07	10.24	NA	4	10.00	809.3	2.80	10.80	2.0	10.0	817.3	809.3	8
RT-2I	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.23	819.51	10.20	NA	4	10.00	809.2	2.78	10.28	2.0	10.0	817.2	809.2	8
RT-2J	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.47	817.63	10.22	NA	4	10.00	807.5	2.16	10.16	2.0	10.0	815.5	807.5	8
RT-2K	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	816.11	817.40	4.14	NA	4	2.50	813.6	2.64	4.14	1.0	2.5	815.1	813.6	2
RT-2L	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	817.95	819.54	6.60	NA	4	3.71	814.2	3.89	6.60	1.0	3.7	816.9	814.2	3
Piezometers																			
TW-04R	DPT	MW-10006	2/4/2015	Still in use	Gauging	852.68	852.64	5.46	2.2	1	5.5	847.2	2.46	5.46	2.5	5.5	850.2	847.2	3
TW-05R	DPT	MW-10006	2/4/2015	Still in use	Gauging	849.96	849.93	8.87	2.2	1	8.8	841.2	2.87	8.87	2.8	8.9	847.2	841.1	6
TW-14R	DPT	MW-10006	2/4/2015	Still in use	Gauging	853.47	853.37	6.20	2.2	1	6.5	847.0	2.20	6.20	2.5	6.3	851.0	847.2	4
TW-15R	DPT	MW-10006	2/4/2015	Still in use	Gauging	850.70	850.62	4.85	2.2	1	5	845.7	1.85	4.85	2.0	4.9	848.7	845.8	3
TW-21	DPT	MW-09978	1/22/2015	Still in use	Gauging	849.72	849.70	9.54	2.2	1	14	835.7	-0.46	9.54	4.0	9.6	845.7	840.2	10
TW-28	DPT	MW-09978	1/23/2015	Still in use	Gauging	851.57	851.42	31.84	2.2	1	30	821.6	11.84	31.84	10.0	32.0	841.6	819.6	20
TW-30	DPT	MW-09978	1/23/2015	Still in use	Gauging	851.86	851.81	23.15	2.2	1	24	827.9	8.15	23.15	9.0	23.2	842.9	828.7	15
TW-34	DPT	MW-09978	1/24/2015	Still in use	Gauging	854.92	854.79	25.04	2.2	1	23	831.9	10.04	25.04	8.0	25.2	846.9	829.7	15
TW-35	DPT	MW-09978	1/24/2015	Still in use	Gauging	854.22	854.10	25.12	2.2	1	23	831.2	10.12	25.12	8.0	25.2	846.2	829.0	15
TW-40	DPT	MW-09978	1/24/2015	Still in use	Gauging	853.45	853.35	34.05	2.2	1	33	820.5	14.05	34.05	13.0	34.2	840.5	819.3	20
TW-41	DPT	MW-09978	1/25/2015	Still in use	Gauging	849.38	849.38	32.15	2.2	1	34	815.4	7.15	32.15	9.0	32.1	840.4	817.2	25
TW-42	DPT	MW-09978	1/25/2015	Still in use	Gauging	847.02	846.84	27.50	2.2	1	29.5	817.5	7.50	27.50	9.5	27.7	837.5	819.3	20
TW-45	DPT	MW-09978	1/25/2015	Still in use	Gauging	848.26	848.31	36.86	2.2	1	37.5	810.8	11.86	36.86	12.5	36.8	835.8	814.4	25
TW-55	DPT	MW-10006	2/5/2015	Still in use	Gauging	846.00	845.93	41.50	2.7	1	43	803.0	11.50	41.50	13.0	41.6	833.0	804.4	30
TW-59	DPT	MW-09978	1/30/2015	Still in use	Gauging	834.84	834.78	21.15	2.7	1	22	812.8	6.15	21.15	7.0	21.2	827.8	813.6	15
TW-60	DPT	MW-09978	1/30/2015	Still in use	Gauging	828.00	828.03	37.20	2.7	1	41.5	786.5	2.20	37.20	6.5	37.2	821.5	790.8	35
TW-64	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.89	845.88	52.85	2.2	1	55	790.9	2.85	52.85	5.0	52.9	840.9	793.0	50
TW-65	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.66	845.62	44.81	2.2	1	44.5	801.2	9.81	44.81	9.5	44.8	836.2	800.8	35
TW-66	DPT	MW-09978	2/2/2015	Still in use	Gauging	820.18	820.31	23.81	2.7	1	24	796.2	3.81	23.81	4.0	23.7	816.2	796.5	20
TW-67	DPT	MW-09978	2/3/2015	Still in use	Gauging	852.88	852.71	26.47	2.7	1	27	825.9	6.47	26.47	7.0	26.6	845.9	826.2	20
TW-68	DPT	MW-09978	2/3/2015	Still in use	Gauging	846.59	846.45	29.96	2.2	1	27	819.6	9.96	29.96	7.0	30.1	839.6	816.5	20

Table 3. Well Construction Information

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

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of	Bottom of	Top of	Bottom of	Top of	Bottom of	Length of
													Screen or Open Borehole Interval (ft BTOC)	Screen or Open Borehole Interval (ft BTOC)	Screen or Open Borehole Interval (ft bgs)	Screen or Open Borehole Interval (ft bgs)	Screen or Open Borehole Interval (ft amsl)	Screen or Open Borehole Interval (ft)	
TW-69	DPT	MW-09978	2/3/2015	Still in use	Gauging	840.38	840.27	51.91	2.2	1	50	790.4	11.91	51.91	10.0	52.0	830.4	788.4	40
TW-70	DPT	MW-09978	2/3/2015	Still in use	Gauging	842.07	841.95	45.05	2.2	1	43	799.1	10.05	45.05	8.0	45.2	834.1	796.9	35
TW-73	DPT	MW-09978	2/3/2015	Still in use	Gauging	850.60	850.53	16.00	2.7	1	16	834.6	6.00	16.00	6.0	16.1	844.6	834.5	10
TW-76	DPT	MW-10006	2/4/2015	Still in use	Gauging	852.53	852.44	43.62	2.7	1	43	809.5	8.62	43.62	8.0	43.7	844.5	808.8	35
TW-81	DPT	MW-10006	2/5/2015	Still in use	Gauging	849.48	849.43	7.00	2.2	1	7	842.5	2.00	7.00	2.0	7.0	847.5	842.4	5
TW-82	DPT	MW-10006	2/5/2015	Still in use	Gauging	849.83	849.64	10.00	2.2	1	10	839.8	2.00	10.00	2.0	10.2	847.8	839.6	8
TW-83	DPT	MW-10006	2/5/2015	Still in use	Gauging	850.54	850.44	17.00	2.2	1	17	833.5	2.00	17.00	2.0	17.1	848.5	833.4	15
TW-84	DPT	MW-10006	2/5/2015	Still in use	Gauging	851.38	851.22	13.50	2.2	1	13.5	837.9	3.50	13.50	3.5	13.7	847.9	837.7	10
TW-85	DPT	MW-10006	2/5/2015	Still in use	Gauging	843.64	843.49	39.00	2.7	1	39	804.6	9.00	39.00	9.0	39.2	834.6	804.5	30
TW-86	DPT	MW-10006	2/5/2015	Still in use	Gauging	853.28	853.10	6.00	2.2	1	6	847.3	2.00	6.00	2.0	6.2	851.3	847.1	4
TW-87	DPT	MW-10006	2/5/2015	Still in use	Gauging	852.23	852.25	7.00	2.2	1	7	845.3	2.00	7.00	2.0	7.1	850.3	845.3	5
TW-90	DPT	MW-10006	2/6/2015	Still in use	Gauging	845.48	845.43	46.50	2.7	1	46.5	799.0	6.50	46.50	6.5	46.6	839.0	798.9	40
TW-94	DPT	MW-10006	2/10/2015	Still in use	Gauging	840.75	840.58	40.00	2.7	1	40	800.8	5.00	40.00	5.0	40.2	835.8	800.6	35
TW-96	DPT	MW-10006	2/11/2015	Still in use	Gauging	840.52	840.40	28.76	2.7	1	30	810.5	3.76	28.76	5.0	28.9	835.5	811.6	25
Vertical Air Sparging Wells																			
VAS-01	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	853.269	NS	NA	8.50	2.00	32.20	NA	NA	NA	28.70	31.20	NA	NA	2.50
VAS-02	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.360	NS	NA	8.50	2.00	27.00	NA	NA	NA	23.50	26.00	NA	NA	2.50
VAS-03	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.132	NS	NA	8.50	2.00	18.30	NA	NA	NA	14.80	17.30	NA	NA	2.50
VAS-04	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	852.056	NS	NA	8.50	2.00	16.70	NA	NA	NA	13.20	15.70	NA	NA	2.50
VAS-05	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	851.559	NS	NA	8.50	2.00	14.00	NA	NA	NA	9.50	12.00	NA	NA	2.50
VAS-06	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.612	NS	NA	8.50	2.00	14.40	NA	NA	NA	10.90	13.40	NA	NA	2.50
VAS-07	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.603	NS	NA	8.50	2.00	19.40	NA	NA	NA	15.90	18.40	NA	NA	2.50
VAS-08	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.583	NS	NA	8.50	2.00	22.00	NA	NA	NA	18.50	21.00	NA	NA	2.50
VAS-09	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.607	NS	NA	8.50	2.00	14.00	NA	NA	NA	10.50	13.00	NA	NA	2.50
VAS-10	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.411	NS	NA	8.50	2.00	16.10	NA	NA	NA	12.60	15.10	NA	NA	2.50
VAS-11	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	852.476	NS	NA	8.50	2.00	25.30	NA	NA	NA	21.80	24.30	NA	NA	2.50
VAS-12	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.535	NS	NA	8.50	2.00	24.20	NA	NA	NA	20.70	23.20	NA	NA	2.50
VAS-13	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.701	NS	NA	8.50	2.00	19.60	NA	NA	NA	16.10	18.60	NA	NA	2.50
VAS-14	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	851.239	NS	NA	8.50	2.00	16.20	NA	NA	NA	12.70	15.20	NA	NA	2.50
VAS-15	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	850.732	NS	NA	8.50	2.00	15.50	NA	NA	NA	12.00	14.50	NA	NA	2.50
VAS-16	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	850.305	NS	NA	8.50	2.00	17.90	NA	NA	NA	14.40	16.90	NA	NA	2.50
VAS-17	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	849.842	NS	NA	8.50	2.00	19.30	NA	NA	NA	15.80	18.30	NA	NA	2.50
VAS-18	Geoprobe 8040 HSA	SCHE03020469	8/8/2016	Still in use	Cupboard Creek Protection	849.513	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-19	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	850.465	NS	NA	8.50	2.00	17.20	NA	NA	NA	13.60	16.10	NA	NA	2.50
VAS-20	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	827.789	NS	NA	8.50	2.00	47.60	NA	NA	NA	44.60	47.10	NA	NA	2.50
VAS-21	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	826.304	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-22	Mobile B57 HSA	SCHE03020469	7/21/2016	Still in use	Brown's Creek Protection	827.394	NS	NA	8.50	2.00	57.00	NA	NA	NA	53.50	56.00	NA	NA	2.50
VAS-23	Mobile B57 HSA	SCHE03020469	7/22/2016	Still in use	Brown's Creek Protection	827.211	NS	NA	8.50	2.00	49.50	NA	NA	NA	46.00	48.50	NA	NA	2.50
VAS-24	Mobile B57 HSA	SCHE03020469	7/15/2016	Still in use	Brown's Creek Protection	826.803	NS	NA	8.50	2.00	58.50	NA	NA	NA	55.00	57.50	NA	NA	2.50
VAS-25	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	826.411	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-26	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	825.180	NS	NA	8.50	2.00	55.00	NA	NA	NA	51.50	54.00	NA	NA	2.50
VAS-27	Mobile B57 HSA	SCHE03020469	7/8/2016	Still in use	Brown's Creek Protection	826.369	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-28	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	828.930	NS	NA	8.50	2.00	23.10	NA	NA	NA	19.80	22.30	NA	NA	2.50
VAS-29	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	832.025	NS	NA	8.50	2.00	27.50	NA	NA	NA	24.00	26.50	NA	NA	2.50
VAS-30	Mobile B57 HSA	SCHE03020469	6/21/2016	Still in use	Brown's Creek Protection	831.485	NS	NA	8.50	2.00	52.90	NA	NA	NA	49.40	51.90	NA	NA	2.50

**Table 3. Well Construction Information**

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

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or	Bottom of Screen or	Top of Screen or	Bottom of Screen or	Top of Screen or	Bottom of Screen or	Length of Screen or
													Open Borehole Interval (ft BTOC)	Open Borehole Interval (ft BTOC)	Open Borehole Interval (ft bgs)	Open Borehole Interval (ft bgs)	Open Borehole Interval (ft amsl)	Open Borehole Interval (ft amsl)	
VAS-31	Mobile B57 HSA	SCHE03020469	6/21/2016	Still in use	Brown's Creek Protection	828.337	NS	NA	8.50	2.00	42.00	NA	NA	NA	38.50	41.00	NA	NA	2.50
VAS-32	Mobile B57 HSA	SCHE03020469	6/30/2016	Still in use	Brown's Creek Protection	836.257	NS	NA	8.50	2.00	43.00	NA	NA	NA	39.50	42.00	NA	NA	2.50
VAS-33	Mobile B57 HSA	SCHE03020469	6/29/2016	Still in use	Brown's Creek Protection	840.900	NS	NA	8.50	2.00	52.60	NA	NA	NA	49.10	51.60	NA	NA	2.50
VAS-34	Mobile B57 HSA	SCHE03020469	6/29/2016	Still in use	Brown's Creek Protection	836.585	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-35	Mobile B57 HSA	SCHE03020469	7/13/2016	Still in use	Brown's Creek Protection	831.212	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-36	Mobile B57 HSA	SCHE03020469	7/7/2016	Still in use	Brown's Creek Protection	831.361	NS	NA	8.50	2.00	33.20	NA	NA	NA	29.70	32.20	NA	NA	2.50
VAS-37	Mobile B57 HSA	SCHE03020469	7/7/2016	Still in use	Brown's Creek Protection	832.454	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-38	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	834.566	NS	NA	8.50	2.00	21.10	NA	NA	NA	16.60	19.10	NA	NA	2.50
VAS-39	Mobile B57 HSA	SCHE03020469	6/22/2016	Still in use	Brown's Creek Protection	835.956	NS	NA	8.50	2.00	42.40	NA	NA	NA	38.90	41.40	NA	NA	2.50
VAS-40	Mobile B57 HSA	SCHE03020469	6/23/2016	Still in use	Brown's Creek Protection	833.753	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-41	Mobile B57 HSA	SCHE03020469	6/28/2016	Still in use	Brown's Creek Protection	845.071	NS	NA	8.50	2.00	27.80	NA	NA	NA	24.30	26.80	NA	NA	2.50
VAS-42A	Mobile B57 HSA	SCHE03020469	7/14/2016	Still in use	Brown's Creek Protection	845.304	NS	NA	8.50	2.00	39.30	NA	NA	NA	35.80	38.30	NA	NA	2.50
VAS-43A	Mobile B57 HSA	SCHE03020469	7/15/2016	Still in use	Brown's Creek Protection	843.078	NS	NA	8.50	2.00	66.50	NA	NA	NA	63.00	65.50	NA	NA	2.50
VAS-44A	Mobile B57 HSA	SCHE03020469	7/18/2016	Still in use	Brown's Creek Protection	838.353	NS	NA	8.50	2.00	72.50	NA	NA	NA	69.00	71.50	NA	NA	2.50
VAS-46	Mobile B57 HSA	SCHE03020469	6/24/2016	Still in use	Brown's Creek Protection	839.503	NS	NA	8.50	2.00	20.80	NA	NA	NA	18.00	20.50	NA	NA	2.50
<b>Vertical Bedrock Sparging Wells</b>																			
VBS-01	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	38.15	4.00	2.00	38.50	NA	NA	NA	34.50	38.50	NA	NA	2.00
VBS-02	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	31.05	4.00	2.00	31.00	NA	NA	NA	27.00	31.00	NA	NA	2.00
VBS-03	Hollow Stem Auger/Wire Line/Air Rotary	SCHE03020469M	1/27/2017	Still in use	Brown's Creek Protection	NS	NS	36.20	4.00	2.00	36.20	NA	NA	NA	32.20	36.20	NA	NA	2.00

Notes:  
 amsl = above mean sea level relative to North American Vertical Datum of 1988 (NAVD88). Benchmark is 34.8289659 degrees north, 82.3710354 degrees west (NAD83, 2011), elevation 929.1 ft NAVD88  
 bgs = below ground surface  
 BTOC = below top of casing  
 DPT = direct push  
 ft = feet  
 HSA = hollow-stem auger  
 in = inches  
 NA = not applicable  
 NS = location not surveyed  
 RNE = Refusal not encountered  
 TOC = top of casing

**Table 4 Groundwater Elevation and Product Thickness Data**

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation <sup>1,2</sup> (ft amsl)	Groundwater Elevation (ft amsl)	Corrected <sup>3</sup> Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-01					853.07					
	10/21/2017	-	10.60	-		842.47	-	-	-	-
	10/3/2017	-	9.79	-		843.28	-	-	-	-
MW-01B					852.99					
	10/21/2017	-	11.07	-		841.92	-	-	-	-
	10/3/2017	-	10.45	-		842.54	-	-	-	-
MW-02					841.04					
	10/21/2017	-	6.48	-		834.56	-	-	-	-
	10/3/2017	-	16.03	-		825.01	-	-	-	-
MW-02B					841.19					
	10/21/2017	-	27.50	-		813.69	-	-	-	-
	10/3/2017	-	21.87	-		819.32	-	-	-	-
MW-03					838.36					
	10/21/2017	-	9.00	-		829.36	-	-	-	-
	10/3/2017	-	19.87	-		818.49	-	-	-	-
MW-04					844.42					
	10/21/2017	-	12.45	-		831.97	-	-	-	-
	10/3/2017	-	14.78	-		829.64	-	-	-	-
MW-05					851.11					
	10/21/2017	-	17.55	-		833.56	-	-	-	-
MW-06					852.92					
	10/21/2017	-	16.40	-		836.52	-	-	-	-
MW-06B					852.57					
	10/21/2017	-	22.16	-		830.41	-	-	-	-
MW-07					853.02					
	10/21/2017	-	13.20	-		839.82	-	-	-	-
MW-08					844.72					
	10/21/2017	-	14.35	-		830.37	-	-	-	-
	10/3/2017	-	16.86	-		827.86	-	-	-	-
MW-09					843.63					
	10/21/2017	-	6.82	-		836.81	-	-	-	-
	10/3/2017	-	19.78	-		823.85	-	-	-	-
MW-10					845.41					
	10/21/2017	-	15.60	-		829.81	-	-	-	-
	10/3/2017	-	17.33	-		828.08	-	-	-	-
MW-11					855.63					
	10/21/2017	30.87	31.20	0.33		824.43	824.67	-	-	-
	10/3/2017	-	30.37	-		825.26	-	-	-	-
MW-12					834.53					
	10/21/2017	-	15.06	-		819.47	-	-	-	-
	10/3/2017	-	14.61	-		819.92	-	-	-	-
MW-12B					834.98					
	10/21/2017	-	15.44	-		819.54	-	-	-	-
	10/3/2017	-	14.93	-		820.05	-	-	-	-
MW-13					848.84					
	10/21/2017	-	21.84	-		827.00	-	-	-	-
MW-13B					849.82					
	10/21/2017	-	23.63	-		826.19	-	-	-	-
MW-14					838.70					
	10/21/2017	-	18.62	-		820.08	-	-	-	-
MW-14B					840.20					
	10/21/2017	-	19.35	-		820.85	-	-	-	-
MW-15					831.03					
	10/21/2017	14.16	14.17	0.01		816.86	816.87	-	-	-
	10/3/2017	-	11.65	-		819.38	-	-	-	-
MW-15B					831.29					

**Table 4 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	Groundwater Elevation (ft amsl)	Corrected <sup>a</sup>	Date of Product Evacuation	Start Time	Finish Time
					Casing Elevation <sup>1,2</sup> (ft amsl)		Groundwater Elevation (ft amsl)			
MW-15B (cont'd)	10/21/2017	-	16.63	-		814.66	-	-	-	-
	10/3/2017	-	16.65	-		814.64	-	-	-	-
MW-16					847.67					
	10/21/2017	-	11.10	-		836.57	-	-	-	-
	10/3/2017	15.00	15.21	0.21		832.46	832.61	-	-	-
MW-17					855.35					
	10/21/2017	-	10.83	-		844.52	-	-	-	-
MW-17B					855.37					
	10/21/2017	-	17.60	-		837.77	-	-	-	-
MW-18					846.89					
	10/21/2017	15.04	15.10	0.06		831.79	831.83	-	-	-
	10/3/2017	18.02	18.47	0.45		828.42	828.74	-	-	-
MW-19					853.94					
	10/21/2017	-	11.76	-		842.18	-	-	-	-
	10/3/2017	-	11.78	-		842.16	-	-	-	-
MW-20					852.89					
	10/21/2017	13.60	14.07	0.47		838.82	839.16	-	-	-
	10/3/2017	13.25	13.79	0.54		839.10	839.49	-	-	-
MW-21					855.77					
	10/21/2017	-	17.95	-		837.82	-	-	-	-
MW-22					854.60					
	10/21/2017	-	DRY	-		-	-	-	-	-
	10/3/2017	-	9.94	-		844.66	-	-	-	-
MW-23					849.57					
	10/21/2017	-	11.83	-		837.74	-	-	-	-
MW-23B					849.69					
	10/21/2017	-	11.45	-		838.24	-	-	-	-
MW-24					817.92					
	10/21/2017	-	4.75	-		813.17	-	-	-	-
MW-24B					818.72					
	10/21/2017	-	5.85	-		812.87	-	-	-	-
MW-25					826.18					
	10/21/2017	-	8.80	-		817.38	-	-	-	-
	10/3/2017	-	8.52	-		817.66	-	-	-	-
MW-25B					823.81					
	10/21/2017	-	5.75	-		818.06	-	-	-	-
	10/3/2017	-	5.83	-		817.98	-	-	-	-
MW-26					847.56					
	10/21/2017	-	8.01	-		839.55	-	-	-	-
MW-26B					847.81					
	10/21/2017	-	9.71	-		838.10	-	-	-	-
MW-27					854.11					
	10/21/2017	-	27.95	-		826.16	-	-	-	-
MW-27B					857.14					
	10/21/2017	-	30.63	-		826.51	-	-	-	-
MW-28					844.31					
	10/21/2017	-	23.99	-		820.32	-	-	-	-
	10/3/2017	-	23.80	-		820.51	-	-	-	-
MW-29					852.20					
	10/21/2017	-	11.23	-		840.97	-	-	-	-
	10/3/2017	-	10.85	-		841.35	-	-	-	-
MW-30					841.28					
	10/21/2017	-	14.55	-		826.73	-	-	-	-
	10/3/2017	-	14.58	-		826.70	-	-	-	-
MW-31					845.04					
	10/21/2017	-	21.73	-		823.31	-	-	-	-



**Table 4 Groundwater Elevation and Product Thickness Data**

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation <sup>1,2</sup> (ft amsl)	Groundwater Elevation (ft amsl)	Corrected <sup>3</sup> Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-31B	10/21/2017	-	22.21	-	844.94	822.73	-	-	-	-
MW-32	10/21/2017	-	14.27	-	842.93	828.66	-	-	-	-
MW-33	10/21/2017	-	26.80	-	849.20	822.40	-	-	-	-
MW-33T	10/21/2017	-	27.89	-	849.11	821.22	-	-	-	-
MW-34	10/21/2017	-	2.62	-	816.35	813.73	-	-	-	-
MW-35	10/21/2017	-	9.98	-	829.40	819.42	-	-	-	-
MW-36	10/21/2017	-	20.55	-	858.47	837.92	-	-	-	-
MW-36B	10/21/2017	-	20.25	-	858.15	837.90	-	-	-	-
MW-37	10/21/2017	-	3.64	-	813.92	810.28	-	-	-	-
MW-38	10/21/2017	-	2.19	-	813.28	811.09	-	-	-	-
MW-39	10/21/2017	-	5.46	-	819.90	814.44	-	-	-	-
MW-40	10/21/2017	-	2.87	-	817.79	814.92	-	-	-	-
MW-41	10/21/2017	-	4.55	-	819.68	815.13	-	-	-	-
MW-42	10/21/2017	-	5.22	-	820.33	815.11	-	-	-	-
MW-43	10/21/2017	-	5.20	-	818.12	812.92	-	-	-	-
MW-43B	10/21/2017	-	47.05	-	818.80	771.75	-	-	-	-
MW-44	10/21/2017	-	9.32	-	853.67	844.35	-	-	-	-
MW-44B	10/21/2017	-	14.70	-	853.38	838.68	-	-	-	-
MW-45	10/21/2017	-	14.21	-	852.47	838.26	-	-	-	-
MW-45B	10/21/2017	-	16.09	-	852.85	836.76	-	-	-	-
MW-47	10/21/2017	-	19.27	-	842.98	823.71	-	-	-	-
RS-01	10/21/2017	14.40	14.72	0.32	849.13	834.41	834.64	-	-	-
RS-02	10/21/2017	14.25	14.32	0.07	849.52	835.20	835.25	-	-	-
RS-04	10/21/2017	-	9.70	-	851.47	841.77	-	-	-	-
RS-05	10/21/2017	12.75	13.35	0.60	848.31	834.96	835.40	-	-	-
RS-06	10/21/2017	13.51	13.54	0.03	849.47	835.93	835.95	-	-	-
RS-07	10/26/2017	14.03	14.04	0.01	855.08	841.04	841.05	10/25/2017	10:15	10:20
	10/21/2017	14.31	14.37	0.06		840.71	840.76	10/21/2017	9:15	9:20
	10/20/2017	14.26	14.32	0.06		840.76	840.81	-	-	-

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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	Groundwater Elevation (ft amsl)	Corrected <sup>a</sup>	Date of Product Evacuation	Start Time	Finish Time
					Casing Elevation <sup>1,2</sup> (ft amsl)		Groundwater Elevation (ft amsl)			
RS-07 (cont'd)	10/12/2017	14.19	14.25	0.06		840.83	840.88	10/10/2017	9:15	9:20
	10/6/2017	14.11	14.12	0.01		840.96	840.97	10/7/2017	11:40	11:45
RS-08					854.00			-	-	-
	10/26/2017	14.80	15.00	0.20		839.00	839.15	10/25/2017	10:25	10:30
	10/21/2017	14.97	15.24	0.27		838.76	838.96	10/21/2017	9:20	9:25
	10/20/2017	14.93	15.20	0.27		838.80	839.00	-	-	-
	10/12/2017	14.74	15.00	0.26		839.00	839.19	10/10/2017	9:20	9:25
10/6/2017	14.64	14.81	0.17		839.19	839.31	10/7/2017	11:45	11:50	
RS-09					847.60			-	-	-
	10/21/2017	-	12.51	-		835.09	-	-	-	-
RS-10					847.42			-	-	-
	10/21/2017	11.20	11.22	0.02		836.20	836.21	-	-	-
RS-11					847.44			-	-	-
	10/21/2017	-	10.73	-		836.71	-	-	-	-
RS-12					847.74			-	-	-
	10/21/2017	-	11.20	-		836.54	-	-	-	-
RS-13					845.98			-	-	-
	10/21/2017	-	11.55	-		834.43	-	-	-	-
RS-14					845.97			-	-	-
	10/21/2017	11.35	11.38	0.03		834.59	834.61	-	-	-
RS-15					846.41			-	-	-
	10/21/2017	-	10.65	-		835.76	-	-	-	-
RS-16					845.44			-	-	-
	10/21/2017	-	10.00	-		835.44	-	-	-	-
RS-17					844.22			-	-	-
	10/21/2017	-	9.59	-		834.63	-	-	-	-
RS-18					847.89			-	-	-
	10/21/2017	-	13.05	-		834.84	-	-	-	-
RS-20					842.69			-	-	-
	10/21/2017	-	9.39	-		833.30	-	-	-	-
RT-1A					854.06			-	-	-
	10/26/2017	14.95	15.02	0.07		839.04	839.09	10/25/2017	10:35	10:40
	10/20/2017	15.08	15.18	0.10		838.88	838.95	10/21/2017	9:00	9:05
	10/12/2017	14.95	15.03	0.08		839.03	839.09	10/10/2017	9:00	9:05
10/6/2017	14.85	15.02	0.17		839.04	839.16	10/7/2017	11:25	11:30	
RT-1B					854.15			-	-	-
	10/26/2017	14.91	14.98	0.07		839.17	839.22	10/25/2017	10:45	10:50
	10/20/2017	15.04	15.14	0.10		839.01	839.08	10/21/2017	9:05	9:10
	10/12/2017	14.91	15.00	0.09		839.15	839.22	10/10/2017	9:05	9:10
10/6/2017	14.82	14.95	0.13		839.20	839.29	10/7/2017	11:30	11:35	
RT-1C					854.55			-	-	-
	10/26/2017	15.58	15.65	0.07		838.90	838.95	10/25/2017	10:50	10:55
	10/20/2017	15.47	15.58	0.11		838.97	839.05	10/21/2017	9:10	9:15
	10/12/2017	15.34	15.43	0.09		839.12	839.19	10/10/2017	9:10	9:15
10/6/2017	15.26	15.39	0.13		839.16	839.25	10/7/2017	11:35	11:40	
RT-2A					817.48			-	-	-
	10/26/2017	-	1.01	-		816.47	-	10/25/2017	8:50	8:55
	10/20/2017	-	1.43	-		816.05	-	10/21/2017	10:20	10:25
	10/12/2017	-	1.25	-		816.23	-	10/10/2017	10:20	10:25
10/6/2017	-	1.34	-		816.14	-	10/7/2017	10:00	10:05	
RT-2B					817.61			-	-	-
	10/26/2017	-	1.14	-		816.47	-	10/25/2017	8:55	9:00
	10/20/2017	-	1.55	-		816.06	-	10/21/2017	10:25	10:30
	10/12/2017	1.36	1.37	0.01		816.24	816.25	10/10/2017	10:25	10:30
10/6/2017	-	1.45	-		816.16	-	10/7/2017	10:05	10:10	
RT-2C				818.06			-	-	-	

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation <sup>1,2</sup> (ft amsl)	Groundwater Elevation (ft amsl)	Corrected <sup>3</sup> Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
RT-2C (cont'd)	10/26/2017	-	1.62	-	-	816.44	-	10/25/2017	9:00	9:05
	10/20/2017	-	2.00	-	-	816.06	-	10/21/2017	10:30	10:35
	10/12/2017	1.81	1.83	0.02	-	816.23	816.24	10/10/2017	10:30	10:35
	10/6/2017	-	1.92	-	-	816.14	-	10/7/2017	10:10	10:15
RT-2D					818.12					
	10/26/2017	-	1.68	-	-	816.44	-	10/25/2017	9:05	9:10
	10/20/2017	-	2.06	-	-	816.06	-	10/21/2017	10:35	10:40
	10/12/2017	1.98	1.99	0.01	-	816.13	816.14	10/10/2017	10:35	10:40
RT-2E					818.25					
	10/26/2017	-	1.80	-	-	816.45	-	10/25/2017	9:10	9:15
	10/20/2017	-	2.16	-	-	816.09	-	10/21/2017	10:40	10:45
	10/12/2017	-	2.00	-	-	816.25	-	10/10/2017	10:40	10:45
RT-2F					818.57					
	10/26/2017	-	2.15	-	-	816.42	-	10/25/2017	9:15	9:20
	10/20/2017	-	2.51	-	-	816.06	-	10/21/2017	10:45	10:50
	10/12/2017	2.34	2.35	0.01	-	816.22	816.23	10/10/2017	10:45	10:50
RT-2G					820.07					
	10/26/2017	-	3.43	-	-	816.64	-	10/25/2017	9:20	9:25
	10/20/2017	-	1.74	-	-	818.33	-	10/21/2017	10:50	10:55
	10/12/2017	-	3.65	-	-	816.42	-	10/10/2017	10:50	10:55
RT-2I					819.51					
	10/26/2017	-	3.33	-	-	816.18	-	10/25/2017	9:25	9:30
	10/20/2017	-	3.46	-	-	816.05	-	10/21/2017	10:55	11:00
	10/12/2017	-	3.42	-	-	816.09	-	10/10/2017	10:55	11:00
RT-2J					817.63					
	10/26/2017	-	2.04	-	-	815.59	-	10/25/2017	9:30	9:35
	10/20/2017	-	1.58	-	-	816.05	-	10/21/2017	11:00	11:05
	10/12/2017	-	2.20	-	-	815.43	-	10/10/2017	11:00	11:05
RT-2K					817.40					
	10/26/2017	-	NM	-	-	-	-	10/25/2017	9:35	9:40
	10/20/2017	1.79	1.92	0.13	-	815.48	815.57	10/21/2017	11:05	11:10
	10/12/2017	1.43	1.57	0.14	-	815.83	815.93	10/10/2017	11:05	11:10
RT-2L					819.54					
	10/26/2017	-	2.58	-	-	816.96	-	10/25/2017	9:40	9:45
	10/20/2017	2.90	2.96	0.06	-	816.58	816.62	10/21/2017	11:10	11:15
	10/12/2017	2.88	2.92	0.04	-	816.62	816.65	10/10/2017	11:10	11:15
RW-01					851.92					
	10/21/2017	-	16.30	-	-	835.62	-	-	-	-
					852.69					
	10/21/2017	24.32	24.66	0.34	-	828.03	828.28	-	-	-
RW-03					852.34					
	10/21/2017	24.51	24.53	0.02	-	827.81	827.82	-	-	-
RW-04					853.93					
	10/26/2017	30.58	30.67	0.09	-	823.26	823.33	10/25/2017	9:50	9:55
	10/20/2017	30.70	31.05	0.35	-	822.88	823.14	10/21/2017	9:35	9:40
	10/12/2017	30.71	30.80	0.09	-	823.13	823.20	10/10/2017	9:35	9:40
RW-05					853.53					
	10/6/2017	30.33	30.87	0.54	-	823.06	823.46	10/7/2017	11:05	11:10

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					Casing Elevation <sup>1,2</sup> (ft amsl)		Groundwater Elevation (ft amsl)			
RW-05 (cont'd)	10/26/2017	33.67	33.88	0.21		819.65	819.81	10/25/2017	9:55	10:00
	10/20/2017	33.84	34.74	0.90		818.79	819.45	10/21/2017	9:40	9:45
	10/12/2017	33.84	34.43	0.59		819.10	819.53	10/10/2017	9:40	9:45
	10/6/2017	33.21	34.89	1.68		818.64	819.87	10/7/2017	11:10	11:15
RW-06					846.21					
	10/26/2017	-	27.76	-		818.45	-	10/25/2017	8:40	8:45
	10/20/2017	27.79	27.81	0.02		818.40	818.41	10/21/2017	9:50	9:55
	10/12/2017	28.03	28.05	0.02		818.16	818.17	10/10/2017	9:50	9:55
RW-07					843.19					
	10/26/2017	24.47	24.98	0.51		818.21	818.58	10/25/2017	8:35	8:40
	10/20/2017	24.04	24.91	0.87		818.28	818.92	10/21/2017	9:55	10:00
	10/12/2017	24.43	25.71	1.28		817.48	818.42	10/10/2017	9:55	10:00
RW-08					835.48					
	10/26/2017	-	18.38	-		817.10	-	-	-	-
	10/20/2017	-	17.16	-		818.32	-	-	-	-
	10/12/2017	18.32	18.33	0.01		817.15	817.16	-	-	-
RW-09					835.12					
	10/26/2017	14.82	14.92	0.10		820.20	820.28	10/25/2017	8:30	8:35
	10/20/2017	14.04	14.29	0.25		820.83	821.02	10/21/2017	10:05	10:10
	10/12/2017	14.78	16.39	1.61		818.73	819.91	10/10/2017	10:05	10:10
RW-10					848.53					
	10/26/2017	-	13.56	-		834.97	-	-	-	-
	10/20/2017	-	13.91	-		839.06	-	-	-	-
	10/12/2017	-	13.75	-		839.22	-	-	-	-
RW-11					852.97					
	10/26/2017	-	13.82	-		839.15	-	-	-	-
	10/20/2017	-	13.91	-		839.06	-	-	-	-
	10/12/2017	-	13.75	-		839.22	-	-	-	-
RW-12					852.75					
	10/26/2017	-	15.46	-		839.03	-	-	-	-
	10/20/2017	-	15.47	-		839.02	-	-	-	-
	10/12/2017	-	15.23	-		837.52	-	-	-	-
RW-13					847.97					
	10/26/2017	-	15.15	-		837.60	-	-	-	-
	10/20/2017	-	15.47	-		839.02	-	-	-	-
	10/12/2017	-	15.23	-		837.52	-	-	-	-
RW-14					827.54					
	10/26/2017	-	13.16	-		814.38	-	-	-	-
	10/20/2017	-	9.17	-		818.37	-	-	-	-
	10/12/2017	13.19	13.20	0.01		814.34	814.35	-	-	-
RW-15					851.64					
	10/26/2017	-	7.90	-		819.64	-	-	-	-
	10/20/2017	-	9.17	-		818.37	-	-	-	-
	10/12/2017	13.19	13.20	0.01		814.34	814.35	-	-	-
SW-01					812.82					
	10/21/2017	15.88	16.60	0.72		835.04	835.56	-	-	-
	10/21/2017	-	(0.81)	-		813.63	-	-	-	-
	10/21/2017	-	(1.47)	-		810.12	-	-	-	-
SW-02					808.65					
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
SW-03					815.09					
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
	10/21/2017	-	(1.68)	-		816.77	-	-	-	-
SW-05					838.75					
	10/21/2017	-	NM	-		-	-	-	-	-
	10/21/2017	-	NM	-		-	-	-	-	-
	10/21/2017	-	NM	-		-	-	-	-	-
SW-08					802.04					
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-
SW-10					778.09					
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-
	10/21/2017	-	(1.01)	-		803.05	-	-	-	-

**Table 4 Groundwater Elevation and Product Thickness Data**

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation <sup>1,2</sup> (ft amsl)	Groundwater Elevation (ft amsl)	Corrected <sup>3</sup> Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
SW-10 (cont'd)	10/21/2017	-	(0.27)	-	-	778.36	-	-	-	-
TW-04R					852.64					
	10/21/2017	-	DRY	-	-	-	-	-	-	-
TW-05R					849.93					
	10/21/2017	-	8.44	-	-	841.49	-	-	-	-
TW-14R					853.37					
	10/21/2017	-	DRY	-	-	-	-	-	-	-
TW-15R					850.62					
	10/21/2017	-	DRY	-	-	-	-	-	-	-
TW-21					849.70					
	10/21/2017	-	NM	-	-	-	-	-	-	-
TW-28					851.42					
	10/21/2017	23.60	24.50	0.90	-	826.92	827.58	-	-	-
TW-30					851.81					
	10/21/2017	-	22.92	-	-	828.89	-	-	-	-
TW-34					854.79					
	10/21/2017	-	22.21	-	-	832.58	-	-	-	-
TW-35					854.10					
	10/21/2017	-	22.72	-	-	831.38	-	-	-	-
TW-40					853.35					
	10/21/2017	-	29.17	-	-	824.18	-	-	-	-
TW-41					849.38					
	10/21/2017	-	28.53	-	-	820.85	-	-	-	-
TW-42					846.84					
	10/21/2017	26.75	NO WATER	0.75	-	-	-	-	-	-
TW-45					848.31					
	10/21/2017	28.38	28.98	0.60	-	819.33	819.77	-	-	-
TW-55					845.93					
	10/21/2017	-	8.35	-	-	837.58	-	-	-	-
	10/3/2017	-	14.90	-	-	831.03	-	-	-	-
TW-59					834.78					
	10/21/2017	-	14.30	-	-	820.48	-	-	-	-
	10/3/2017	-	14.80	-	-	819.98	-	-	-	-
TW-60					828.03					
	10/21/2017	-	10.37	-	-	817.66	-	-	-	-
	10/3/2017	-	7.72	-	-	820.31	-	-	-	-
TW-64					845.88					
	10/21/2017	-	18.94	-	-	826.94	-	-	-	-
	10/3/2017	-	20.40	-	-	825.48	-	-	-	-
TW-65					845.62					
	10/21/2017	-	22.97	-	-	822.65	-	-	-	-
TW-66					820.31					
	10/21/2017	-	2.68	-	-	817.63	-	-	-	-
	10/3/2017	-	1.79	-	-	818.52	-	-	-	-
TW-67					852.71					
	10/21/2017	-	9.00	-	-	843.71	-	-	-	-
	10/3/2017	-	13.83	-	-	838.88	-	-	-	-
TW-68					846.45					
	10/21/2017	-	24.47	-	-	821.98	-	-	-	-
TW-69					840.27					
	10/21/2017	-	16.20	-	-	824.07	-	-	-	-
TW-70					841.95					
	10/21/2017	-	20.22	-	-	821.73	-	-	-	-
TW-73					850.53					
	10/21/2017	-	9.85	-	-	840.68	-	-	-	-
	10/3/2017	-	9.43	-	-	841.10	-	-	-	-

**Table 4 Groundwater Elevation and Product Thickness Data**

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation <sup>1,2</sup> (ft amsl)	Groundwater Elevation (ft amsl)	Corrected <sup>3</sup> Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
TW-76	10/21/2017	-	15.75	-	852.44	836.69	-	-	-	-
TW-81	10/21/2017	-	6.22	-	849.43	843.21	-	-	-	-
TW-82	10/21/2017	-	6.74	-	849.64	842.90	-	-	-	-
TW-83	10/21/2017	-	NM	-	850.44	-	-	-	-	-
TW-84	10/21/2017	-	7.90	-	851.22	843.32	-	-	-	-
TW-85	10/21/2017	-	13.40	-	843.49	830.09	-	-	-	-
TW-86	10/21/2017	-	5.57	-	853.10	847.53	-	-	-	-
TW-87	10/21/2017	-	6.82	-	852.25	845.43	-	-	-	-
TW-90	10/21/2017	-	14.66	-	845.43	830.77	-	-	-	-
TW-94	10/21/2017	-	2.00	-	840.58	838.58	-	-	-	-
TW-96	10/21/2017	-	11.98	-	840.40	828.42	-	-	-	-
	10/3/2017	-	16.63	-		823.77	-	-	-	-

Notes:

1. Elevation of zero mark (ft amsl) for surface water staff gauges
2. "RS-" and "RT-" features were trimmed to less than 12 inches above ground surface on 3/14/2017. 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.
3. Calculated based on an oil:water density ratio of 0.73

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

amsl = above mean sea level

BTOC = below top of casing

DRY = well contained no measurable water or product

ft = feet

ID = identification

NM = not measured

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-01	MW-01-072715	7/27/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-01B	MW-01B-080415	8/4/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-062817-FD	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-02	MW-02-072715	7/27/2015	µg/L	4,320	625 U	9,670	2,460	5 U	171	74.7
MW-02-012616		1/26/2016	µg/L	9,500	1,160	25,000	6,310	50 U <sup>b</sup>	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 <sup>b</sup>	250 U <sup>b</sup>	1,250 U <sup>b</sup>	--
MW-02-090817		9/8/2017	µg/L	2,340	181	7,120	8,510	50 U <sup>b</sup>	50 U <sup>b</sup>	389	--
MW-02-100417		10/4/2017	µg/L	3,510	306	11,900	11,200	50 U <sup>b</sup>	53.9	250 U <sup>b</sup>	--
MW-02B	MW-02B-080415	8/4/2015	µg/L	5 U	5 U	5 U	10 U	5 U	5 U	5 U	0.02 U
	MW-02B-D-080415	8/4/2015	µg/L	5 U	5 U	5 U	10 U	5 U	5 U	5 U	0.019 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
	MW-02B-D-030116	3/1/2016	µg/L	1 U	1 U	4.8	5.3	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-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-03	MW-03-072715	7/27/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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	--
MW-04	MW-04-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-04-090817-DUP	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 5. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-05	MW-05-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-06	MW-06-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-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 <sup>b</sup>	40 U	40 U <sup>b</sup>	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-07-062917	6/29/2017	µg/L	4,290	629	17,700	4,990	250 U <sup>b</sup>	250 U <sup>b</sup>	1,250 U <sup>b</sup>	--	
MW-08	MW-08-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-09	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-09-062917	6/29/2017	µg/L	3,860	517	13,000	8,680	200 U <sup>b</sup>	200 U <sup>b</sup>	1,000 U <sup>b</sup>	--
MW-10	MW-10-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-10-050317-FD	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	--	



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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-11	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-11-012616	1/26/2016	µg/L	10,600	948	24,400	4,700	10 U <sup>b</sup>	432	123	0.019 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-11-062817	6/28/2017	µg/L	10,900	2,140	29,600	11,700	100 U <sup>b</sup>	147	500 U <sup>b</sup>	--
MW-12	MW-12-072815	7/28/2015	µg/L	51.3	5 U	22.9	39.2	5 U	5 U	5 U	0.02 U
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/13/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/20/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/31/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	4/6/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-12-062817	6/28/2017	µg/L	1,190	467	7,910	5,100	50 U <sup>b</sup>	50 U <sup>b</sup>	250 U <sup>b</sup>	--
	MW-12-090817	9/8/2017	µg/L	648	436	3,470	4,440	100 U <sup>b</sup>	100 U <sup>b</sup>	500 U <sup>b</sup>	--
MW-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-031417-FD	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-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	--
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-D-012816	1/28/2016	µg/L	405	1 U	6.1	59.1	1 U	108	1 U	0.02 U
	MW-13B-113016	11/30/2016	µg/L	550	5.1	21.2	140	5 U	158	7.9	--
	MW-13B-062817	6/28/2017	µg/L	308	3.09	10.3	103	1 U	121	5.13	--
MW-14	MW-14-072815	7/28/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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	--

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
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-052516-FD	5/25/2016	µg/L	4.6	1 U	1 U	4.1	1 U	23.6	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-15	MW-15-080415	8/4/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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	188	43.8	--
	MW-15-031417	3/14/2017	µg/L	1,960	72	324	1,320	25 U	161	125 U	--
	MW-15-031417-FD	3/14/2017	µg/L	1,820	61	286	1,120	25 U	153	125 U	--
	MW-15-032017	3/20/2017	µg/L	3,390	103	505	2,460	50 U	194	250 U	--
	MW-15-033117	3/31/2017	µg/L	2,850	65.4	444	1,860	20 U	221	100 U	--
	MW-15-040617	4/6/2017	µg/L	1,790	60.6	465	886	25 U	181	125 U	--
	MW-15-062817	6/28/2017	µg/L	73	25 U	29	110	25 U	91.8	125 U	--
	MW-15-090817	9/8/2017	µg/L	454	24	567	338	5 U	193	25 U	--
MW-15B	MW-15B-080415	8/4/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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	26.7	5	--
	MW-15B-031417	3/14/2017	µg/L	2,160	248	4,580	1,500	100 U	118	500 U	--
	MW-15B-032017	3/20/2017	µg/L	615	88.6	1,270	555	25 U	67.5	125 U	--
	MW-15B-033117	3/31/2017	µg/L	1,630	205	3,240	1,180	50 U	115	250 U	--
	MW-15B-040617	4/6/2017	µg/L	1,020	132	2,020	789	25 U	84.7	125 U	--
	MW-15B-040617-FD	4/6/2017	µg/L	973	124	1,910	742	25 U	82.9	125 U	--
	MW-15B-062817	6/28/2017	µg/L	1,510	145	3,520	1,280	100 U <sup>b</sup>	100 U <sup>b</sup>	500 U <sup>b</sup>	--
	MW-15B-090817	9/8/2017	µg/L	1,820	164	3,560	1,210	50 U <sup>b</sup>	133	250 U <sup>b</sup>	--
MW-16	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-16-062917	6/29/2017	µg/L	12,900	1,770	36,400	12,500	500 U <sup>b</sup>	1,740	2,500 U <sup>b</sup>	--
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
	--	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
	MW-17-090817	9/8/2017	µg/L	11,400	1,240	23,900	8,460	20 U <sup>b</sup>	1,330	201	--

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Napthalene	EDB
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	954	112	--
	MW-17B-031317	3/13/2017	µg/L	7,350	770	14,100	4,510	200 U	944	1,000 U	--
	MW-17B-032017	3/20/2017	µg/L	10,700	1,360	21,400	7,910	323	1,210	1,000 U	--
	MW-17B-033117	3/31/2017	µg/L	9,190	900	17,500	5,910	100 U	1,200	500 U	--
	MW-17B-033117FD	3/31/2017	µg/L	9,190	956	18,200	6,330	100 U	1,210	500 U	--
	MW-17B-040617	4/6/2017	µg/L	7,780	833	14,900	5,330	200 U	991	1,000 U	--
MW-17B-062817	6/28/2017	µg/L	11,200	704	21,600	5,650	200 U <sup>b</sup>	1,150	1,000 U <sup>b</sup>	--	
MW-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
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	250 U	1,250 U	--
MW-19-062917	6/29/2017	µg/L	9,410	683	27,200	9,580	200 U <sup>b</sup>	320	1,000 U <sup>b</sup>	--	
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
--	6/26/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-21	MW-21-072715	7/27/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-D-012116	1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 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-21-062817-FD	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-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
	MW-22-062917	6/29/2017	µg/L	234	10 U	125	30 U	10 U <sup>b</sup>	10 U	50 U <sup>b</sup>	--
MW-23	MW-23-072715	7/27/2015	µg/L	5 U	5 U	7.5	10 U	5 U	5 U	5 U	0.02 U
	MW-23D-072715	7/27/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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	46.4	5.9	--
	MW-23-031317	3/13/2017	µg/L	709	5 U	23.1	548	5 U	127	25 U	--
	MW-23-032017	3/20/2017	µg/L	642	10 U	12.7	579	10 U	108	50 U	--
	MW-23-032017-FD	3/20/2017	µg/L	620	10 U	12.0	548	10 U	110	50 U	--
	MW-23-033117	3/31/2017	µg/L	685	10 U	16.5	624	10 U	130	50 U	--
	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 <sup>b</sup>	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	141	25 U	--
	MW-23-100417	10/4/2017	µg/L	703	10 U	17.5	515	10 U <sup>b</sup>	90.1	50 U <sup>b</sup>	--
	MW-23-100417-DUP	10/4/2017	µg/L	543	2.65	11.5	424	1 U	69.2	5 U	--

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-23B	MW-23B-080515	8/5/2015	µg/L	5 U	5 U	7.0	10 U	5 U	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-24	MW-24-080515	8/5/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-24B	MW-24B-080515	8/5/2015	µg/L	5 U	5 U	5 U	10 U	5 U	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-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	5.9	29.7	--
	MW-25-031417	3/14/2017	µg/L	627	28.6	10.1	668	10 U	10 U	50 U	--
	MW-25-032017	3/20/2017	µg/L	604	20.4	20 U	680	20 U	20 U	100 U	--
	MW-25-033117	3/31/2017	µg/L	673	30.1	12	736	10 U	10 U	50 U	--
	MW-25-033117FD	3/31/2017	µg/L	790	35.4	12.5	861	10 U	10 U	50 U	--
	MW-25-040617	4/6/2017	µg/L	558	24.3	10 U	682	10 U	10 U	50 U	--
	MW-25-050317	5/3/2017	µg/L	519	49.3	10.1	614	1 U	1 U	43.2	--
	MW-25-062817	6/28/2017	µg/L	431	34.8	10 U	520	10 U <sup>b</sup>	10 U	50 U <sup>b</sup>	--
	MW-25-071717	7/17/2017	µg/L	230	13.4	10 U	264	10 U <sup>b</sup>	10 U	50 U <sup>b</sup>	--
	MW-25-080117	8/1/2017	µg/L	234	14.4	10 U	277	10 U <sup>b</sup>	10 U	50 U <sup>b</sup>	--
	MW-25-090817	9/8/2017	µg/L	200	12.2	1.27	214	1 U	1 U	10.6	--
	MW-25-100417	10/4/2017	µg/L	173	16.2	1.73	276	1 U	1.1	6.77	--

Table 5. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
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-090817-DUP	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--	
MW-26	MW-26-012016	1/20/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-26-120116	12/1/2016	µg/L	1 U	1 U	2.3	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-26-040617-FD	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-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-090717-DUP	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--	
MW-27	MW-27-012716	1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-27-062817	6/28/2017	µg/L	2.69	4.06	3.88	35.9	1 U	1 U	5 U	--
MW-27-090817	9/8/2017	µg/L	4.96	5.75	2.13	14.8	1 U	1 U	5 U	--	

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
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-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	50 U	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	--	
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-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 <sup>b</sup>	25 U	125 U <sup>b</sup>	--
	MW-30-071717	7/17/2017	µg/L	922	25 U	2,050	1,320	25 U <sup>b</sup>	25 U	125 U <sup>b</sup>	--
MW-30-080217	8/2/2017	µg/L	1,240	25.9	1,020	2,230	25 U <sup>b</sup>	25 U	125 U <sup>b</sup>	--	

Table 5. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte:	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
			Units								
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-D-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-31B	MW-31B-051116	5/11/2016	µg/L	1 U	1 U	2.7	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-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-34	MW-34-031517	3/15/2017	--	978	33.0	143	218	10 U	157	50 U	--
	MW-34-032017	3/20/2017	µg/L	801	10.0 U	113	305	10 U	149	50 U	--
	MW-34-033117	3/31/2017	µg/L	728	10.0 U	81.4	224	10 U	152	50 U	--
	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 <sup>b</sup>	98.3	50 U <sup>b</sup>	--
	MW-31-090817	9/8/2017	µg/L	1,430	6.01	98.0	264	1 U	191	7.33	--
	MW-34-100417	10/4/2017	µg/L	919	10 U	36.8	157	10 U <sup>b</sup>	151	50 U <sup>b</sup>	--
	MW-34-100417-DUP	10/4/2017	µg/L	846	1.49	40.8	186	1 U	148	5 U	--



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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
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	--
	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-36	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-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-36B	MW-36-D-112916	11/29/2016	µg/L	1 U	1 U	5.4	1 U	1 U	1 U	1 U	--
	MW-36-062917	6/29/2017	µg/L	2.11	1 U	2.28	3 U	1 U	1 U	5 U	--
	MW-36-090817	9/8/2017	µg/L	4.75	1 U	6.16	4.62	1 U	1 U	5 U	--
	MW-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-37	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-062917-FD	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-37-113016	11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
MW-38	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-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-38-071717-FD	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	9.78	5 U	--
	MW-38-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	7.25	5 U	--
	MW-38-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	12.9	5 U	--
MW-38-100417	10/4/2017	µg/L	1.75	1 U	1 U	3 U	1 U	11.2	5 U	--	

Table 5. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-39	MW-39-120716	12/7/2016	µg/L	6,320	682	1,290	3,650	50 U	311	86	--
	MW-39-031417	3/14/2017	µg/L	6,370	431	2,200	3,700	10 U	199	117	--
	MW-39-032017	3/20/2017	µg/L	7,340	704	2,990	4,050	100 U	248	500 U	--
	MW-39-033117	3/31/2017	µg/L	7,540	899	3,140	4,400	50 U	272	250 U	--
	MW-39-040617	4/6/2017	µg/L	6,180	754	3,280	3,860	50 U	257	250 U	--
	MW-39-062817	6/28/2017	µg/L	5,470	58	3,360	3,900	20 U <sup>b</sup>	239	100 U <sup>b</sup>	--
	MW-39-071717	7/17/2017	µg/L	4,690	100 U	3,760	4,580	100 U <sup>b</sup>	344	500 U <sup>b</sup>	--
	MW-39-080117	8/1/2017	µg/L	4,630	100 U	2,880	4,740	100 U <sup>b</sup>	348	500 U <sup>b</sup>	--
	MW-39-090817	9/8/2017	µg/L	3,380	10.7	1,040	2,740	1 U	376	15.6	--
	MW-39-100417	10/4/2017	µg/L	1,560	50 U	365	1,350	50 U <sup>b</sup>	305	250 U <sup>b</sup>	--
MW-40	MW-40-120716	12/7/2016	µg/L	6,730	588	7,460	3,390	50 U	373	64.8	--
	MW-40-031417	3/14/2017	µg/L	11,600	1,280	16,100	7,260	50 U	691	250 U	--
	MW-40-032017	3/20/2017	µg/L	12,300	1,330	19,600	7,500	200 U	654	1,000 U	--
	MW-40-033117	3/31/2017	µg/L	13,300	1,500	19,500	8,070	100 U	727	500 U	--
	MW-40-040617	4/6/2017	µg/L	10,400	1,180	16,200	6,570	200 U	650	1,000 U	--
	MW-40-062817	6/28/2017	µg/L	9,250	1,030	19,200	6,540	500 U <sup>b</sup>	590	2,500 U <sup>b</sup>	--
	MW-40-071717	7/17/2017	µg/L	11,400	1,210	25,300	7,430	500 U <sup>b</sup>	727	2,500 U <sup>b</sup>	--
	MW-40-080117	8/1/2017	µg/L	12,000	1,120	23,200	8,070	500 U <sup>b</sup>	631	2,500 U <sup>b</sup>	--
	MW-40-090817	9/8/2017	µg/L	14,300	1,250	28,700	9,250	20 U <sup>b</sup>	716	219	--
	MW-40-100417	10/4/2017	µg/L	13,800	1,000 U <sup>b</sup>	28,800	9,530	1,000 U <sup>b</sup>	1,000 U <sup>b</sup>	5,000 U <sup>b</sup>	--
MW-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	5 U	25 U	--
	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 <sup>b</sup>	10 U	50 U <sup>b</sup>	--
	MW-41-090817	9/8/2017	µg/L	189	1.51	1 U	90	1 U	3.74	5 U	--
	MW-41-100417	10/4/2017	µg/L	93.5	1 U	1 U	59.9	1 U	1.84	5 U	--
MW-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	--

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

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
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	<b>1.06</b>	1 U	<b>7.12</b>	<b>3.11</b>	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	<b>2.39</b>	3 U	1 U	1 U	5 U	--
	MW-44B-090717	9/7/2017	µg/L	1 U	1 U	<b>3.07</b>	3 U	1 U	1 U	5 U	--
MW-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
	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	--
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	<b>1.73</b>	3 U	1 U	1 U	5 U	--
RBSL <sup>a</sup> :			µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05

Notes:

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

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

Samples analyzed by EPA Methods SW 8260B and 8011

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

**Gray shading** indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

ID = identification

MTBE = methyl tertiary butyl ether

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

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

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

October 12, 2017

## CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group: L941579  
Samples Received: 10/05/2017  
Project Number: 684910.LD.MR.GW  
Description: Lewis Drive Groundwater  
Site: LEWIS DR  
Report To: Bethany Garvey  
6600 Peachtree Dunwoody Road  
400 Embassy Row - Suite 600  
Atlanta, GA 30328

Entire Report Reviewed By:



Jason Romer  
Technical Service Representative

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 ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

MW-25-100417 L941579-01 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 10:41 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 21:23	10/07/17 21:23	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	10	10/11/17 00:58	10/11/17 00:58	DWR

MW-35-100417 L941579-02 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 10:51 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 21:44	10/07/17 21:44	ACG

MW-29-100417 L941579-03 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 11:12 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 22:06	10/07/17 22:06	ACG

MW-26-100417 L941579-04 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 11:22 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 22:28	10/07/17 22:28	ACG

MW-23-100417 L941579-05 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 11:32 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	10	10/07/17 22:49	10/07/17 22:49	ACG

MW-23-100417-DUP L941579-06 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 11:35 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 23:11	10/07/17 23:11	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	20	10/11/17 01:16	10/11/17 01:16	DWR

FB01-100417 L941579-09 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 13:11 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 00:16	10/08/17 00:16	ACG

TB01-100417 L941579-10 GW Collected by  
Melissa Warren Collected date/time  
10/04/17 13:17 Received date/time  
10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/07/17 21:01	10/07/17 21:01	ACG

- Cp
- Tc
- Ss
- Cn
- Sr
- Qc
- Gl
- Al
- Sc

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-02-100417 L941579-11 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 08:25  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	50	10/08/17 00:38	10/08/17 00:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	500	10/11/17 01:35	10/11/17 01:35	DWR

1 Cp

2 Tc

3 Ss

MW-10-100417 L941579-12 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 08:41  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 01:00	10/08/17 01:00	ACG

4 Cn

5 Sr

6 Qc

MW-05-100417 L941579-13 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 08:54  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 01:22	10/08/17 01:22	ACG

7 Gl

8 Al

MW-31-100417 L941579-14 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 09:18  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 01:43	10/08/17 01:43	ACG

9 Sc

MW-38-100417 L941579-15 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 09:38  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 02:05	10/08/17 02:05	ACG

MW-34-100417 L941579-16 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 09:52  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	10	10/08/17 02:27	10/08/17 02:27	ACG

MW-34-100417-DUP L941579-17 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 09:56  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 02:48	10/08/17 02:48	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	50	10/11/17 01:54	10/11/17 01:54	DWR

MW-39-100417 L941579-18 GW  
 Collected by: Melissa Warren  
 Collected date/time: 10/04/17 10:07  
 Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	50	10/08/17 03:10	10/08/17 03:10	ACG

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-40-100417 L941579-19 GW  
 Collected by: Melissa Warren      Collected date/time: 10/04/17 10:15      Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1000	10/08/17 03:32	10/08/17 03:32	ACG

MW-41-100417 L941579-20 GW  
 Collected by: Melissa Warren      Collected date/time: 10/04/17 10:31      Received date/time: 10/05/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1028816	1	10/08/17 03:53	10/08/17 03:53	ACG

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer  
Technical Service Representative

Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Collected date/time: 10/04/17 10:41

L941579

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	173		10.0	10	10/11/2017 00:58	WG1028816
Toluene	1.73		1.00	1	10/07/2017 21:23	WG1028816
Ethylbenzene	16.2		1.00	1	10/07/2017 21:23	WG1028816
Total Xylenes	276		3.00	1	10/07/2017 21:23	WG1028816
Methyl tert-butyl ether	1.10		1.00	1	10/07/2017 21:23	WG1028816
Naphthalene	6.77		5.00	1	10/07/2017 21:23	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 21:23	WG1028816
(S) Toluene-d8	102		80.0-120		10/11/2017 00:58	WG1028816
(S) Toluene-d8	106		80.0-120		10/07/2017 21:23	WG1028816
(S) Dibromofluoromethane	92.8		76.0-123		10/11/2017 00:58	WG1028816
(S) Dibromofluoromethane	98.1		76.0-123		10/07/2017 21:23	WG1028816
(S) 4-Bromofluorobenzene	105		80.0-120		10/11/2017 00:58	WG1028816
(S) 4-Bromofluorobenzene	95.3		80.0-120		10/07/2017 21:23	WG1028816

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

MW-35-100417

SAMPLE RESULTS - 02

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 10:51

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/07/2017 21:44	WG1028816
Toluene	ND		1.00	1	10/07/2017 21:44	WG1028816
Ethylbenzene	ND		1.00	1	10/07/2017 21:44	WG1028816
Total Xylenes	ND		3.00	1	10/07/2017 21:44	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/07/2017 21:44	WG1028816
Naphthalene	ND		5.00	1	10/07/2017 21:44	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 21:44	WG1028816
(S) Toluene-d8	107		80.0-120		10/07/2017 21:44	WG1028816
(S) Dibromofluoromethane	103		76.0-123		10/07/2017 21:44	WG1028816
(S) 4-Bromofluorobenzene	94.0		80.0-120		10/07/2017 21:44	WG1028816

Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

ACCOUNT:

CH2M Hill- Kinder Morgan- Atlanta, GA

PROJECT:

684910.LD.MR.GW

SDG:

L941579

DATE/TIME:

10/12/17 13:58

PAGE:

8 of 29



Collected date/time: 10/04/17 11:12

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/07/2017 22:06	WG1028816
Toluene	ND		1.00	1	10/07/2017 22:06	WG1028816
Ethylbenzene	ND		1.00	1	10/07/2017 22:06	WG1028816
Total Xylenes	ND		3.00	1	10/07/2017 22:06	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/07/2017 22:06	WG1028816
Naphthalene	ND		5.00	1	10/07/2017 22:06	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 22:06	WG1028816
(S) Toluene-d8	106		80.0-120		10/07/2017 22:06	WG1028816
(S) Dibromofluoromethane	104		76.0-123		10/07/2017 22:06	WG1028816
(S) 4-Bromofluorobenzene	94.9		80.0-120		10/07/2017 22:06	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/04/17 11:22

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/07/2017 22:28	WG1028816
Toluene	ND		1.00	1	10/07/2017 22:28	WG1028816
Ethylbenzene	ND		1.00	1	10/07/2017 22:28	WG1028816
Total Xylenes	ND		3.00	1	10/07/2017 22:28	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/07/2017 22:28	WG1028816
Naphthalene	ND		5.00	1	10/07/2017 22:28	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 22:28	WG1028816
(S) Toluene-d8	107		80.0-120		10/07/2017 22:28	WG1028816
(S) Dibromofluoromethane	103		76.0-123		10/07/2017 22:28	WG1028816
(S) 4-Bromofluorobenzene	93.2		80.0-120		10/07/2017 22:28	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 S

6 Qc

7 Gl

8 Al

9 Sc

MW-23-100417

SAMPLE RESULTS - 05

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 11:32

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	703		10.0	10	10/07/2017 22:49	WG1028816
Toluene	17.5		10.0	10	10/07/2017 22:49	WG1028816
Ethylbenzene	ND		10.0	10	10/07/2017 22:49	WG1028816
Total Xylenes	515		30.0	10	10/07/2017 22:49	WG1028816
Methyl tert-butyl ether	90.1		10.0	10	10/07/2017 22:49	WG1028816
Naphthalene	ND		50.0	10	10/07/2017 22:49	WG1028816
1,2-Dichloroethane	ND		10.0	10	10/07/2017 22:49	WG1028816
(S) Toluene-d8	108		80.0-120		10/07/2017 22:49	WG1028816
(S) Dibromofluoromethane	102		76.0-123		10/07/2017 22:49	WG1028816
(S) 4-Bromofluorobenzene	92.7		80.0-120		10/07/2017 22:49	WG1028816

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



Collected date/time: 10/04/17 11:35

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	543		20.0	20	10/11/2017 01:16	WG1028816
Toluene	11.5		1.00	1	10/07/2017 23:11	WG1028816
Ethylbenzene	2.65		1.00	1	10/07/2017 23:11	WG1028816
Total Xylenes	424		3.00	1	10/07/2017 23:11	WG1028816
Methyl tert-butyl ether	69.2		1.00	1	10/07/2017 23:11	WG1028816
Naphthalene	ND		5.00	1	10/07/2017 23:11	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 23:11	WG1028816
(S) Toluene-d8	108		80.0-120		10/07/2017 23:11	WG1028816
(S) Toluene-d8	100		80.0-120		10/11/2017 01:16	WG1028816
(S) Dibromofluoromethane	95.3		76.0-123		10/07/2017 23:11	WG1028816
(S) Dibromofluoromethane	91.8		76.0-123		10/11/2017 01:16	WG1028816
(S) 4-Bromofluorobenzene	103		80.0-120		10/11/2017 01:16	WG1028816
(S) 4-Bromofluorobenzene	93.8		80.0-120		10/07/2017 23:11	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

FB01-100417

SAMPLE RESULTS - 09

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 13:11

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/08/2017 00:16	WG1028816
Toluene	ND		1.00	1	10/08/2017 00:16	WG1028816
Ethylbenzene	ND		1.00	1	10/08/2017 00:16	WG1028816
Total Xylenes	ND		3.00	1	10/08/2017 00:16	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/08/2017 00:16	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 00:16	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 00:16	WG1028816
(S) Toluene-d8	111		80.0-120		10/08/2017 00:16	WG1028816
(S) Dibromofluoromethane	105		76.0-123		10/08/2017 00:16	WG1028816
(S) 4-Bromofluorobenzene	92.4		80.0-120		10/08/2017 00:16	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn



6 Qc

7 Gl

Al

9 Sc



TB01-100417

SAMPLE RESULTS - 10

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 13:17

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/07/2017 21:01	WG1028816
Toluene	ND		1.00	1	10/07/2017 21:01	WG1028816
Ethylbenzene	ND		1.00	1	10/07/2017 21:01	WG1028816
Total Xylenes	ND		3.00	1	10/07/2017 21:01	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/07/2017 21:01	WG1028816
Naphthalene	ND		5.00	1	10/07/2017 21:01	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/07/2017 21:01	WG1028816
(S) Toluene-d8	108		80.0-120		10/07/2017 21:01	WG1028816
(S) Dibromofluoromethane	103		76.0-123		10/07/2017 21:01	WG1028816
(S) 4-Bromofluorobenzene	94.6		80.0-120		10/07/2017 21:01	WG1028816

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



Collected date/time: 10/04/17 08:25

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	3510		50.0	50	10/08/2017 00:38	WG1028816
Toluene	11900		500	500	10/11/2017 01:35	WG1028816
Ethylbenzene	306		50.0	50	10/08/2017 00:38	WG1028816
Total Xylenes	11200		150	50	10/08/2017 00:38	WG1028816
Methyl tert-butyl ether	53.9		50.0	50	10/08/2017 00:38	WG1028816
Naphthalene	ND		250	50	10/08/2017 00:38	WG1028816
1,2-Dichloroethane	ND		50.0	50	10/08/2017 00:38	WG1028816
(S) Toluene-d8	114		80.0-120		10/08/2017 00:38	WG1028816
(S) Toluene-d8	98.7		80.0-120		10/11/2017 01:35	WG1028816
(S) Dibromofluoromethane	101		76.0-123		10/08/2017 00:38	WG1028816
(S) Dibromofluoromethane	90.5		76.0-123		10/11/2017 01:35	WG1028816
(S) 4-Bromofluorobenzene	94.5		80.0-120		10/08/2017 00:38	WG1028816
(S) 4-Bromofluorobenzene	104		80.0-120		10/11/2017 01:35	WG1028816

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



Collected date/time: 10/04/17 08:41

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	10/08/2017 01:00	<u>WG1028816</u>
Toluene	ND		1.00	1	10/08/2017 01:00	<u>WG1028816</u>
Ethylbenzene	ND		1.00	1	10/08/2017 01:00	<u>WG1028816</u>
Total Xylenes	ND		3.00	1	10/08/2017 01:00	<u>WG1028816</u>
Methyl tert-butyl ether	ND		1.00	1	10/08/2017 01:00	<u>WG1028816</u>
Naphthalene	ND		5.00	1	10/08/2017 01:00	<u>WG1028816</u>
1,2-Dichloroethane	ND		1.00	1	10/08/2017 01:00	<u>WG1028816</u>
(S) Toluene-d8	116		80.0-120		10/08/2017 01:00	<u>WG1028816</u>
(S) Dibromofluoromethane	104		76.0-123		10/08/2017 01:00	<u>WG1028816</u>
(S) 4-Bromofluorobenzene	93.7		80.0-120		10/08/2017 01:00	<u>WG1028816</u>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-05-100417

SAMPLE RESULTS - 13

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 08:54

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/08/2017 01:22	WG1028816
Toluene	ND		1.00	1	10/08/2017 01:22	WG1028816
Ethylbenzene	ND		1.00	1	10/08/2017 01:22	WG1028816
Total Xylenes	ND		3.00	1	10/08/2017 01:22	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/08/2017 01:22	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 01:22	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 01:22	WG1028816
(S) Toluene-d8	117		80.0-120		10/08/2017 01:22	WG1028816
(S) Dibromofluoromethane	102		76.0-123		10/08/2017 01:22	WG1028816
(S) 4-Bromofluorobenzene	91.9		80.0-120		10/08/2017 01:22	WG1028816

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

MW-31-100417

Collected date/time: 10/04/17 09:18

SAMPLE RESULTS - 14

L941579

ONE LAB. NATIONWIDE



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	10/08/2017 01:43	WG1028816
Toluene	ND		1.00	1	10/08/2017 01:43	WG1028816
Ethylbenzene	ND		1.00	1	10/08/2017 01:43	WG1028816
Total Xylenes	ND		3.00	1	10/08/2017 01:43	WG1028816
Methyl tert-butyl ether	ND		1.00	1	10/08/2017 01:43	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 01:43	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 01:43	WG1028816
(S) Toluene-d8	119		80.0-120		10/08/2017 01:43	WG1028816
(S) Dibromofluoromethane	102		76.0-123		10/08/2017 01:43	WG1028816
(S) 4-Bromofluorobenzene	93.9		80.0-120		10/08/2017 01:43	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-38-100417

SAMPLE RESULTS - 15

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 09:38

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	1.75		1.00	1	10/08/2017 02:05	WG1028816
Toluene	ND		1.00	1	10/08/2017 02:05	WG1028816
Ethylbenzene	ND		1.00	1	10/08/2017 02:05	WG1028816
Total Xylenes	ND		3.00	1	10/08/2017 02:05	WG1028816
Methyl tert-butyl ether	11.2		1.00	1	10/08/2017 02:05	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 02:05	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 02:05	WG1028816
(S) Toluene-d8	121	J1	80.0-120		10/08/2017 02:05	WG1028816
(S) Dibromofluoromethane	101		76.0-123		10/08/2017 02:05	WG1028816
(S) 4-Bromofluorobenzene	92.5		80.0-120		10/08/2017 02:05	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 Si

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

CH2M Hill- Kinder Morgan- Atlanta, GA

PROJECT:

684910.LD.MR.GW

SDG:

L941579

DATE/TIME:

10/12/17 13:58

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Collected date/time: 10/04/17 09:52

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	919		10.0	10	10/08/2017 02:27	WG1028816
Toluene	36.8		10.0	10	10/08/2017 02:27	WG1028816
Ethylbenzene	ND		10.0	10	10/08/2017 02:27	WG1028816
Total Xylenes	157		30.0	10	10/08/2017 02:27	WG1028816
Methyl tert-butyl ether	151		10.0	10	10/08/2017 02:27	WG1028816
Naphthalene	ND		50.0	10	10/08/2017 02:27	WG1028816
1,2-Dichloroethane	ND		10.0	10	10/08/2017 02:27	WG1028816
(S) Toluene-d8	122	J1	80.0-120		10/08/2017 02:27	WG1028816
(S) Dibromofluoromethane	100		76.0-123		10/08/2017 02:27	WG1028816
(S) 4-Bromofluorobenzene	93.5		80.0-120		10/08/2017 02:27	WG1028816

Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Collected date/time: 10/04/17 09:56

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	846		50.0	50	10/11/2017 01:54	WG1028816
Toluene	40.8		1.00	1	10/08/2017 02:48	WG1028816
Ethylbenzene	1.49		1.00	1	10/08/2017 02:48	WG1028816
Total Xylenes	186		3.00	1	10/08/2017 02:48	WG1028816
Methyl tert-butyl ether	148		1.00	1	10/08/2017 02:48	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 02:48	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 02:48	WG1028816
(S) Toluene-d8	124	J1	80.0-120		10/08/2017 02:48	WG1028816
(S) Toluene-d8	99.0		80.0-120		10/11/2017 01:54	WG1028816
(S) Dibromofluoromethane	92.6		76.0-123		10/11/2017 01:54	WG1028816
(S) Dibromofluoromethane	90.6		76.0-123		10/08/2017 02:48	WG1028816
(S) 4-Bromofluorobenzene	103		80.0-120		10/11/2017 01:54	WG1028816
(S) 4-Bromofluorobenzene	95.0		80.0-120		10/08/2017 02:48	WG1028816

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





Collected date/time: 10/04/17 10:07

L941579

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1560		50.0	50	10/08/2017 03:10	<u>WG1028816</u>
Toluene	365		50.0	50	10/08/2017 03:10	<u>WG1028816</u>
Ethylbenzene	ND		50.0	50	10/08/2017 03:10	<u>WG1028816</u>
Total Xylenes	1350		150	50	10/08/2017 03:10	<u>WG1028816</u>
Methyl tert-butyl ether	305		50.0	50	10/08/2017 03:10	<u>WG1028816</u>
Naphthalene	ND		250	50	10/08/2017 03:10	<u>WG1028816</u>
1,2-Dichloroethane	ND		50.0	50	10/08/2017 03:10	<u>WG1028816</u>
(S) Toluene-d8	125	<u>J1</u>	80.0-120		10/08/2017 03:10	<u>WG1028816</u>
(S) Dibromofluoromethane	99.5		76.0-123		10/08/2017 03:10	<u>WG1028816</u>
(S) 4-Bromofluorobenzene	95.4		80.0-120		10/08/2017 03:10	<u>WG1028816</u>

Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>S

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>7</sup>Al

<sup>9</sup>Sc

MW-40-100417

SAMPLE RESULTS - 19

ONE LAB. NATIONWIDE.



Collected date/time: 10/04/17 10:15

L941579

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	13800		1000	1000	10/08/2017 03:32	WG1028816
Toluene	28800		1000	1000	10/08/2017 03:32	WG1028816
Ethylbenzene	ND		1000	1000	10/08/2017 03:32	WG1028816
Total Xylenes	9530		3000	1000	10/08/2017 03:32	WG1028816
Methyl tert-butyl ether	ND		1000	1000	10/08/2017 03:32	WG1028816
Naphthalene	ND		5000	1000	10/08/2017 03:32	WG1028816
1,2-Dichloroethane	ND		1000	1000	10/08/2017 03:32	WG1028816
(S) Toluene-d8	125	J1	80.0-120		10/08/2017 03:32	WG1028816
(S) Dibromofluoromethane	99.8		76.0-123		10/08/2017 03:32	WG1028816
(S) 4-Bromofluorobenzene	94.7		80.0-120		10/08/2017 03:32	WG1028816

Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>1</sup>Al

<sup>9</sup>Sc

ACCOUNT:

CH2M Hill- Kinder Morgan- Atlanta, GA

PROJECT:

684910.LD.MR.GW

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MW-41-100417

Collected date/time: 10/04/17 10:31

SAMPLE RESULTS - 20

L941579

ONE LAB. NATIONWIDE.



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	93.5		1.00	1	10/08/2017 03:53	WG1028816
Toluene	ND		1.00	1	10/08/2017 03:53	WG1028816
Ethylbenzene	ND		1.00	1	10/08/2017 03:53	WG1028816
Total Xylenes	59.9		3.00	1	10/08/2017 03:53	WG1028816
Methyl tert-butyl ether	1.84		1.00	1	10/08/2017 03:53	WG1028816
Naphthalene	ND		5.00	1	10/08/2017 03:53	WG1028816
1,2-Dichloroethane	ND		1.00	1	10/08/2017 03:53	WG1028816
(S) Toluene-d8	128	J1	80.0-120		10/08/2017 03:53	WG1028816
(S) Dibromofluoromethane	95.2		76.0-123		10/08/2017 03:53	WG1028816
(S) 4-Bromofluorobenzene	95.3		80.0-120		10/08/2017 03:53	WG1028816

1 Cp

2 Tc

3 Ss

4 Cn

5 S

6 Qc

7 Gl

8 Ai

9 Sc

# WG1028816

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

## QUALITY CONTROL SUMMARY

L941579-01,02,03,04,05,06,09,10,11,12,13,14,15,16,17,18,19,20

ONE LAB. NATIONWIDE.



### Method Blank (MB)

(MB) R3256248-2 10/07/17 20:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	105			80.0-120
(S) Dibromofluoromethane	103			76.0-123
(S) 4-Bromofluorobenzene	93.9			80.0-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

### Laboratory Control Sample (LCS)

(LCS) R3256248-1 10/07/17 19:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Benzene	25.0	27.5	110	70.0-130	
1,2-Dichloroethane	25.0	26.1	104	70.0-130	
Ethylbenzene	25.0	25.3	101	70.0-130	
Methyl tert-butyl ether	25.0	25.8	103	70.0-130	
Naphthalene	25.0	17.5	70.1	70.0-130	
Toluene	25.0	25.2	101	70.0-130	
Xylenes, Total	75.0	75.8	101	70.0-130	
(S) Toluene-d8			102	80.0-120	
(S) Dibromofluoromethane			104	76.0-123	
(S) 4-Bromofluorobenzene			96.7	80.0-120	

ACCOUNT:

CH2M Hill- Kinder Morgan- Atlanta, GA

PROJECT:

684910.LD.MR.GW

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L941579

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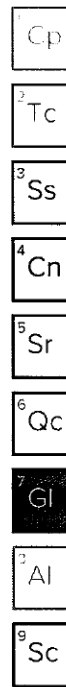


## Guide to Reading and Understanding Your Laboratory Report

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, 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.
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.
----	--

# ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESC Lab Sciences 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.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>1,4</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

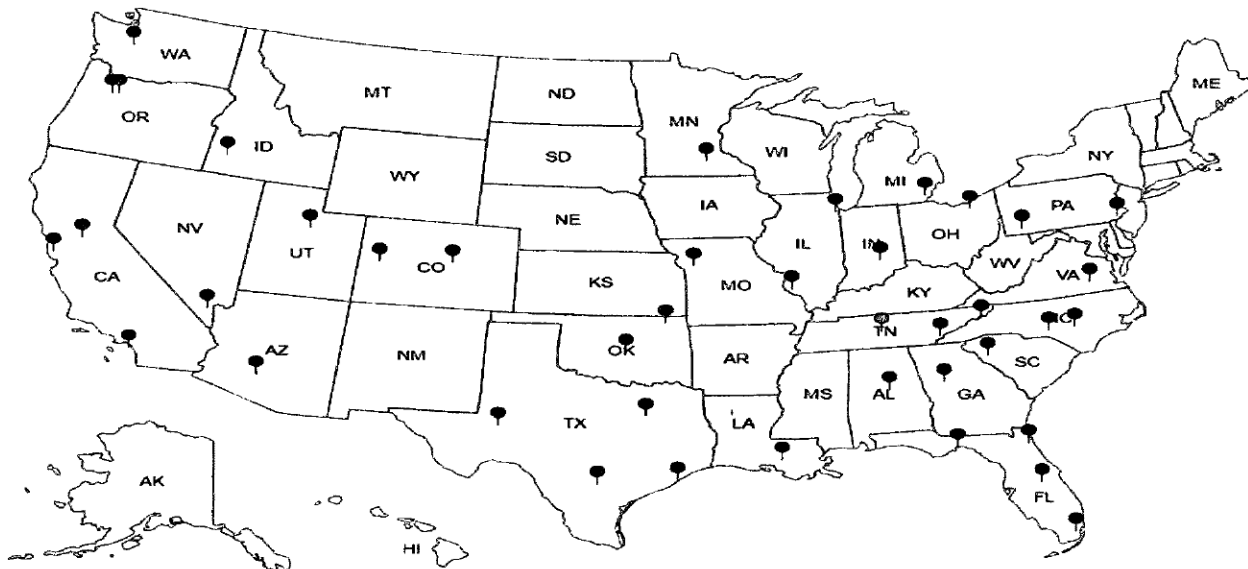
## Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold \*\* Accreditation not applicable

## Our Locations

ESC Lab Sciences 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. **ESC Lab Sciences performs all testing at our central laboratory.**



Cp

Tc

Ss

Cn


Sr


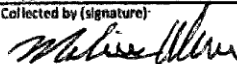

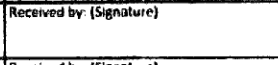

Qc

Gl

A

Sc

<b>CH2M Hill- Kinder Morgan- Atlanta, GA</b> 6600 Peachtree Dunwoody Road Report to: <b>Bethany Garvey</b> Project Description: <b>Lewis Drive Groundwater</b> Phone: <b>770-604-9182</b> Client Project #: <b>684910.LD.MRGW</b> Collected by (print): <b>MELISSA WARREN</b> Collected by (signature): <i>[Signature]</i> Packed on ice: <input checked="" type="checkbox"/> Yes		Billing Information: <b>Accounts Payable</b> <b>1000 Windward Concourse</b> <b>Ste 450</b> <b>Alpharetta, GA 30005</b> Email To: <b>bgarvey@ch2m.com;</b> <b>tom.wiley@ch2m.com; scott.powell@ch2m.com;</b>		City/State Collected: <b>BELTON, SC</b> Lab Project #: <b>KINCH2MGA-LEWIS12</b> Site/Facility ID #: <b>LEWIS DR</b> Rush? (Lab MUST Be Notified) <input checked="" type="checkbox"/> Same Day <input checked="" type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day Date Results Needed:		Analysis / Container / Preservative Pres Chk: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> V8260BTEXMNSC 40mlAmb-HCl-BIK V8260BTEXMNSC 40mlAmb-HCl-BIK <b>BTEX</b> <b>MTBE</b> <b>NAPHTHALENE</b> <b>1,2-DCA</b>		Chain of Custody Page 2 of 2  12005 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-768-9858 Phone: 615-767-9859 Fax: 615-758-5659 LB: <b>L941579</b> <b>H104</b> Account: <b>KINCH2MGA</b> Template: <b>T121318</b> Prelogin: <b>P620330</b> TSR: <b>S26 - Chris McCard</b> PB: <b>T-26-176</b> Shipped via: <b>FedEx Ground</b>								
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	1	2	3	4	5	6	7	8	9	10
MW-25-100417	GRAB	GW	NA	10/4/17	1041	3	X	X	X	X	X	X	X	X	X	X
MW-35-100417		GW			1051	3	X									
MW-29-100417		GW			1112	3	X									
MW-26-100417		GW			1122	3	X									
MW-23-100417		GW			1132	3	X									
MW-23-100417		GW			1135	3	X									
CHANDLER-HH-W-100417		GW			1355	3	X									
CHANDLER-AG-W-100417		GW			1425	3	X									
FB01-100417		GW			1311	3	X	X	X	X	X	X	X	X	X	X
TB01-100417		GW			1317	17	X	X	X	X	X	X	X	X	X	X
Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Remarks: Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		pH _____ Temp _____ Flow _____ Other _____		Tracking # <b>7974 0134 8237</b>		Trip Blank Received: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No Methyl TBR		Surrogate Recovery Checksum CDC Seal Present/Intact: <input checked="" type="checkbox"/> N CDC Signed/Accurate: <input checked="" type="checkbox"/> N Bottles Arrive Intact: <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> N IF Applicable VOA Reso Headspace: <input checked="" type="checkbox"/> N Preservation Container/Checked: <input checked="" type="checkbox"/> N						
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Temp: <b>17</b> °C Bottles Received: <b>57</b>		If preservation required by Login: Date/Time:		Hold:		Condition: <b>NEP (OK)</b>				
<i>[Signature]</i>	10/4/17	1730	<i>[Signature]</i>			Date: <b>10-05-17</b> Time: <b>0845</b>										

<b>CH2M Hill- Kinder Morgan- Atlanta, GA</b> 6600 Peachtree Dunwoody Road Report to: <b>Bethany Garvey</b> Project: <b>Lewis Drive Groundwater</b>		Billing Information: <b>Accounts Payable</b> 1000 Windward Concourse Ste 450 Alpharetta, GA 30005 Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;		Chain of Custody Page <b>1</b> of <b>2</b>  12065 Lebanon Rd Mount Juliet, TN 37122 Phone 615-756-5858 Phone 615-757-5553 Fax 615-758-3859 L# <b>L941579</b> Table # Account: <b>KINCH2MGA</b> Template: <b>T123318</b> Prelogin: <b>P620330</b> TSR: <b>526 - Chris McCard</b> PB: <b>9-20-126</b> Shipped Via: <b>FedEX Ground</b>	
Phone: <b>770-604-9182</b> Fax:		City/State Collected: <b>BELTON, SC</b> Client Project # <b>684910.LD.MR.GW</b> Lab Project # <b>KINCH2MGA-LEWIS12</b>		Analysis / Container / Preservative Pres Chk: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Collected by (print): <b>MELISSA WARREN</b> Collected by (signature):  Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Site/Facility ID # <b>LEWISDR.</b> Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		P.O. # Quote # Date Results Needed No. of Entrs	
Sample ID Comp/Grab Matrix * Depth Date Time		Matrix * Remarks: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Sample Receipt Checklist CBC Seal Present/Intact: <input checked="" type="checkbox"/> <input type="checkbox"/> CBC Signed/Accessed: <input checked="" type="checkbox"/> <input type="checkbox"/> Bottles arrive intact: <input checked="" type="checkbox"/> <input type="checkbox"/> Corrupt bottles noted: <input checked="" type="checkbox"/> <input type="checkbox"/> Sufficient volume sent: <input checked="" type="checkbox"/> <input type="checkbox"/> 1¢ Sampleable: <input checked="" type="checkbox"/> <input type="checkbox"/> WVA Zora Headjacks: <input checked="" type="checkbox"/> <input type="checkbox"/> Preservation Correct/Checked: <input checked="" type="checkbox"/> <input type="checkbox"/>	
MW-02-100417 GRAB GW NA 10/04/17 0825 3 X MW-10-100417 GW 0841 3 X MW-05-100417 GW 0854 3 X MW-31-100417 GW 0918 3 X MW-38-100417 GW 0938 3 X MW-34-100417 GW 0952 3 X MW-34-100417-DWP GW 0956 3 X MW-39-100417 GW 1007 3 X MW-40-100417 GW 1015 3 X MW-41-100417 GW 1031 3 X		Tracking # <b>7779 0934 8237</b>		Trip Blank Received: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Temp: <b>17</b> °C Bottles Received: <b>57</b>	
Relinquished by: (Signature)  Date: <b>10/04/17</b> Time: <b>1730</b>		Received by: (Signature)  Date: Time:		Received for Lab by: (Signature)  Date: <b>10/05/17</b> Time: <b>0845</b>	