



CH2M Raleigh
3120 Highwoods Boulevard
Suite 214
Raleigh, NC 27604
O +1 919 875 4311
F +1 919 875 8491
www.ch2m.com

December 22, 2016

Delivered via FedEx

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 – 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, CH2M is submitting the attached Monthly Status Update covering activities conducted in November 2016 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.
Senior Project Manager

Enclosures

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

Cc (via e-mail):

Jerry Aycock, Plantation, Jerry_Aycock@kindermorgan.com
Mary Clair Lyons, Esq., Plantation, Mary_Lyons@kindermorgan.com
Richard Morton, Esq., Womble Carlyle Sandridge & Rice, PLLC, rmorton@wcsr.com
File

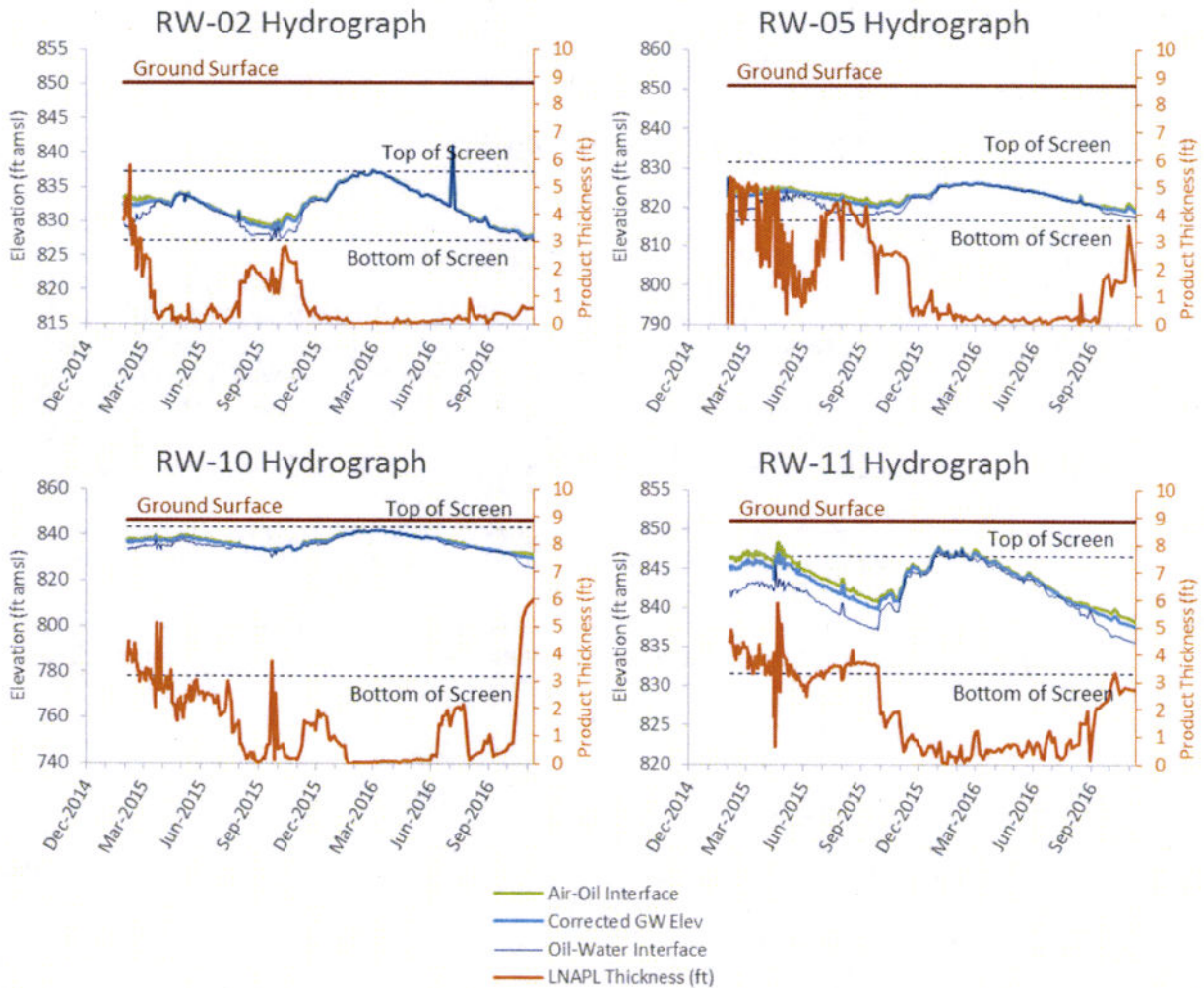
Monthly Status Update
Plantation Pipe Line Company
Lewis Drive Release
Site ID #18693 “Kinder Morgan Belton Pipeline Release”
November 2016

Surface Water

- Routinely inspected Brown’s Creek and Wetland #1 (Cupboard Creek) south of West Calhoun Road for sheen, odor, or distressed vegetation. Vegetation along the bank at two seeps where groundwater impacts Brown’s Creek (in the vicinity of Recovery Trench 2) show signs of distress near the seep; none are noted anywhere else. The locations of the seeps are presented on Figures 1 and 2. The route of inspection is indicated on Figure 1.
- No other biota or surface water abnormalities were observed.
- To date, 28 rounds of surface water samples have been analyzed for benzene, toluene, ethylbenzene, xylenes, and naphthalene (see Table 3).
- Collected 13 surface water samples in October at locations SW-01, SW-02, SW-03, SW-04, SW-08, SW-09, SW-10, SW-11, SW-12, SW-13, FP-01, FP-02, and FP-03 (locations SW-05 and SW-06 in Cupboard Creek and SW-07 off Brown’s Creek were dry).
 - The following concentrations were detected at the surface water sampling location SW-12. SW-12 is located just downgradient of a seep on the hill side above Brown’s Creek. The seep location is plotted on Figures 1 and 2.
 - 486 micrograms per liter (µg/L) benzene
 - 59.6 µg/L ethylbenzene
 - 976 µg/L toluene
 - 532 µg/L total xylenes
 - 14.2 µg/L naphthalene
 - Benzene was detected at the two nearest downgradient surface water locations, SW-01 and SW-02, at 5.0 µg/L and 5.4 µg/L, respectively, in November.
 - Apart from SW-01, SW-02, and SW-12, no hydrocarbon constituents were detected above their respective surface water standards in the remaining surface water samples upstream of SW-12 or downstream of SW-02, where the impacted groundwater extends to Brown’s Creek. Analytical lab report is attached.
- Stream elevations from staff gauges are tabulated along with groundwater elevations in Table 2 and are depicted on Figure 1.

Product Recovery

- Shipped 209,860 gallons (4,997 barrels) of product through the end of October 2016. A total of approximately 928 gallons of LNAPL have been shipped off site in 2016. Evacuated product/water from Trench RT-2 installed adjacent to Brown’s Creek and groundwater from recovery sumps on November 10, 2016. Due to a transition of product recovery contractors, these features were only evacuated once this month. See Table for wells and sumps that were used for product recovery.
- Gauged depth to product and depth to water in recovery sumps, trenches, temporary wells, recovery wells, and stream gauges on a routine basis. Due to a transition of product recovery contractors, these features were only gauged once this month. During the site-wide gauging event on November 10, 2016, 25 wells and sumps had product thicknesses of 0.5 foot or greater. The greatest product thickness was 5.99 feet in RW-10. These locations are all away from surface water bodies at the site. Groundwater elevation and product thickness data are presented in Table 4 and on Figures 1 and 2.
- Standing water was observed in Recovery Trench 2. Standing water is retained by a downgradient berm and an absorbent boom that is swapped out as needed (approximately monthly).
- Hydrographs of select wells generally representative of light non-aqueous phase liquid (LNAPL) thickness trends are presented below:



Remedial Design and Construction

- Completed fusing HPDE conveyance piping in trenches from sparge points to the equipment compound. Backfilled trenches.
- Installed a transformer pit pad inside the equipment compound.
 - Duke Energy inspected the transformer pad and approved the installation on Wednesday November 9th.
 - Duke Energy installed the 500 kVA transformer on the pit pad on Tuesday, November 15th.
 - Pike Electric (Duke Energy) completed the underground electrical connection from the primary pole to the pad-mount transformer. Pike will make the connection hot after all final connections/inspections are complete.
- Constructed the equipment canopy footers and frame.
- Constructed footer forms for the modular equipment building.

Regulatory Interaction

- Issued monthly status update to SCDHEC.
- Conducted internal storm water pollution prevention plan (SWPPP) inspections on November 2, 8, 16, and 22.
- SCDHEC posted a revised public notice on November 3 extending the deadline for public comments on the Corrective Action Plan to November 28, 2016.

Future Activities

-
- Install 4 additional shallow monitoring wells on the southern bank of Brown's Creek upstream (south) of the culvert under Lewis Drive, as proposed in a letter to SCDHEC on July 14, 2016, entitled "Additional Monitoring Wells and Surface Water Sampling Locations". These locations have been adjusted based on field conditions.
 - Continue constructing equipment compound.
 - Deliver equipment to the site and install.
 - Conduct a baseline analytical groundwater monitoring event December 5 – 8, 2016. Wells to be sampled and parameters to be analyzed are as proposed in Table 1 of the Corrective Action Plan submitted on September 1, 2016.
 - Perform equipment commissioning and initial start-up per the Corrective Action Plan.
 - Gauge recovery wells, recovery sumps, and recovery trenches monthly for depth to groundwater and free product thickness.
 - Evacuate product from product recovery sumps, trenches, and recovery wells weekly.
 - Continue to dispose recovered liquids offsite.
 - Continue routine visual inspections of Brown's Creek and Wetland #1 (Cupboard Creek).
 - Conduct monthly sampling of surface water at 16 pre-determined locations along Brown's Creek and Cupboard Creek.
 - Continue monthly status updates to SCDHEC.
 - Continue coordination with landowners and legal counsel on an as-needed basis.

Wildlife Issues

- None.

Cumulative LNAPL Shipped from the Site

Date	Destination	Total Product (gal)	Date	Destination	Total Product (gal)
12/9/2014	PPL Greensboro	4,289	2/11/2015	Allied Energies	5,606
12/9/2014	PPL Greensboro	3,100	2/25/2015	Allied Energies	5,583
12/12/2014	PPL Greensboro	1,189	3/4/2015	Allied Energies	4,000
12/30/2014	Crystal Clean (FCC)	5,057	3/16/2015	Allied Energies	5,200
12/31/2014	Crystal Clean (FCC)	5,333	6/3/2015	Allied Energies	6,500
1/4/2015	Crystal Clean (FCC)	5,000	6/3/2015	Allied Energies	4,214
1/4/2015	Crystal Clean (FCC)	2,872	8/10/2015	Allied Energies	6,000
1/5/2015	Crystal Clean (FCC)	5,013	11/2/2015	Allied Energies	5,800
1/6/2015	Crystal Clean (FCC)	4,800	11/13/2015	Crystal Clean (FCC)	2,900
1/7/2015	Allied Energies	6,532	12/1/2015	Allied Energies	6,690
1/7/2015	Allied Energies	6,425	12/1/2015	Allied Energies	6,700
1/7/2015	Allied Energies	8,200	12/7/2015	Crystal Clean (FCC)	500
1/9/2015	Allied Energies	6,482	9/28/2016	Shamrock	495
1/9/2015	Allied Energies	7,825	10/17/2016	Shamrock	110
1/12/2015	Allied Energies	6,540	10/24/2016	Shamrock	85
1/12/2015	Allied Energies	6,467	10/31/2016	Shamrock	70
1/13/2015	Allied Energies	6,732	11/10/2016	Shamrock	168
1/13/2015	Allied Energies	6,595		Total (gallons)	209,860
1/15/2015	Allied Energies	6,500		Total (barrels)	4,997
1/22/2015	Allied Energies	5,791			
1/23/2015	Allied Energies	5,450			
1/27/2015	Allied Energies	5,791			
1/27/2015	Allied Energies	5,557			
1/27/2015	Allied Energies	6,043			
1/28/2015	Allied Energies	4,411			
2/5/2015	Allied Energies	5,513			
2/11/2015	Allied Energies	5,732			

Notes:

1. Gasoline and water were field-segregated using a 21,000 gallon frac tank from December 2014 through September 2016. Beginning October 2016, the frac tank was removed from the site and LNAPL was recovered directly into a vacuum truck.

Access Agreements

- Mr. Scott Lewis gave verbal approval to conduct needed response activities on his property.
- A formal access agreement was executed with Mr. Patrick O'Dell to install wells on his property. It is assumed that only a minor corner of his property may have been impacted by the release.

Local Authorities On-Site

- Ms. Bobbi Coleman from SCDHEC was on site November 18, 2016 to inspect the proposed locations of 4 new monitoring wells to be installed adjacent to Brown's Creek.

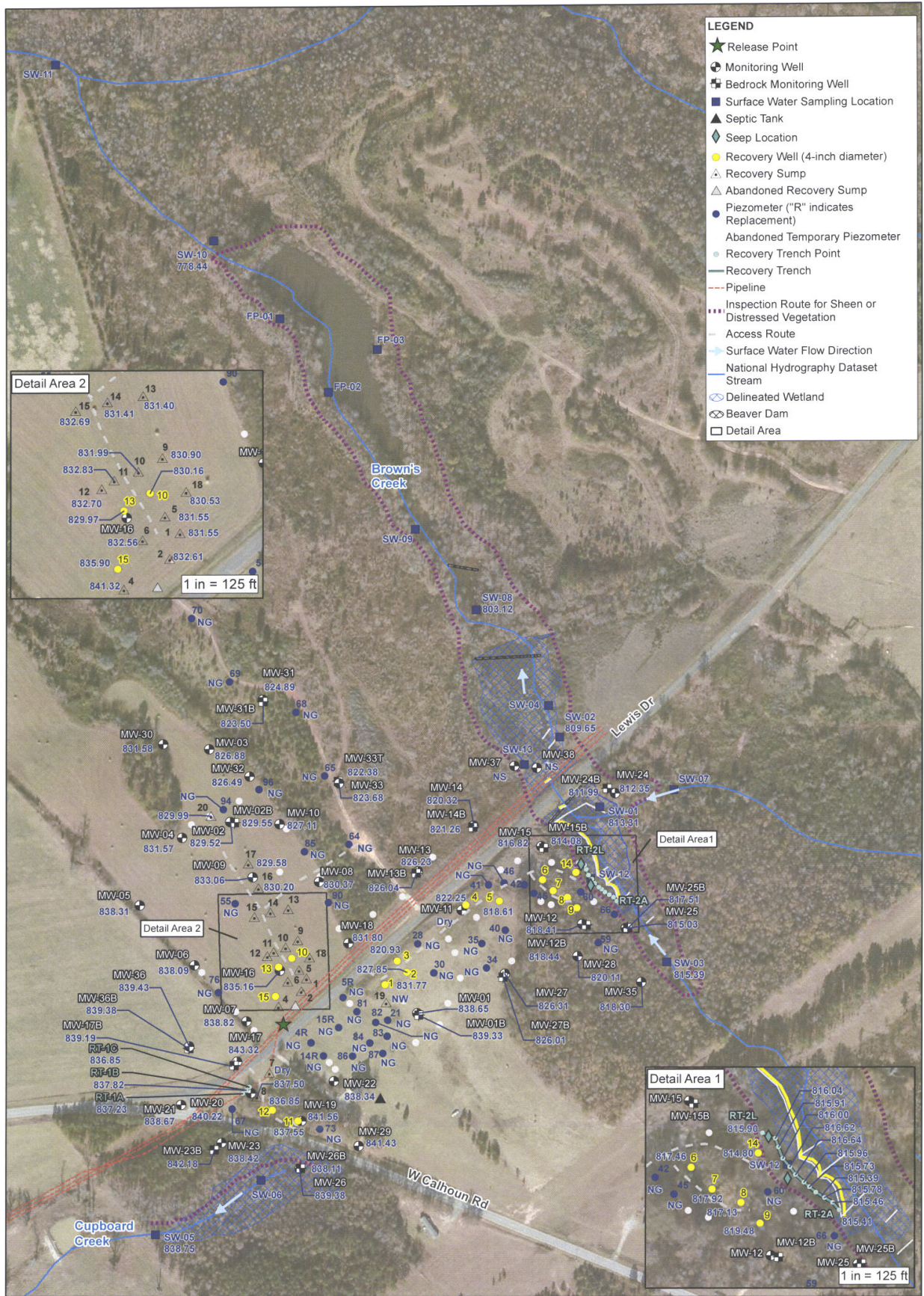
Photographs



11/30/2016: Canopy frame is installed in the future equipment compound area.



11/22/2016: Spread footer forms constructed to support the modular equipment building.



838.42 Corrected Groundwater Elevation as of 11/10/2016 in feet above mean sea level
 NG Not gauged
 NS Not surveyed at the time of this update
 NW No water was measured in the well, only product

Base Map Source:
 *Environmental Systems Research Institute (ESRI) ArcMap World Imagery, 2015
 *United States Geological Survey (USGS) National Hydrography Dataset (NHD)

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

Note:
 Surface water elevation recorded on 11/28/16 in feet above mean sea level

Table 1. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Release, 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 amsl)	Bottom of Well (ft BTOC)	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	15.65	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	44.50	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	6/23/2015	Still in use	Monitoring Well/Gauging	841.24	841.04	23.14	8	2	20.00	821.2	4.80	19.80	5.0	20.0	836.2	821.2	15.00
MW-02B	Schramm Air Rig	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	841.40	841.18	87.15	10	6	81.00	760.4	69.78	80.78	70.0	81.0	771.4	760.4	11.00
MW-03	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	838.38	838.36	22.19	8	2	20.00	818.4	4.98	19.98	5.0	20.0	833.4	818.4	15.00
MW-04	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	844.51	844.42	22.13	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	21.78	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	21.84	8	2	19.60	833.4	4.54	19.54	5.0	19.6	848.0	833.4	15.00
MW-07	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	853.02	853.02	15.35	8	2	13.50	839.5	-1.50	13.50	3.5	13.5	849.5	839.5	15.00
MW-08	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	844.75	844.72	21.81	8	2	19.70	825.1	4.67	19.67	4.7	19.7	840.1	825.1	15.00
MW-09	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	843.72	843.63	22.63	8	2	19.50	824.2	4.41	19.41	4.5	19.5	839.2	824.2	15.00
MW-10	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	842.33	845.41	22.41	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	31.32	8	2	25.20	827.2	13.27	28.27	14.2	25.0	838.2	827.2	15.00
MW-12	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	832.20	834.53	22.05	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	45.31	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	21.15	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	55.41	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	22.18	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	80.20	10	6	76.90	760.2	69.30	79.30	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	18.85	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	77.85	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	25.30	8	2	20.00	827.6	5.03	20.03	5.0	20.0	842.6	827.6	15.00
MW-17	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	855.32	855.35	15.30	8	2	11.00	844.3	6.03	11.03	6.0	11.0	849.3	844.3	5.00
MW-17B	Geoprobe 3230 DT HSA	MW-10462	1/7/2016	Still in use	Monitoring Well/Gauging	855.37	855.37	27.40	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	21.85	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	22.25	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	23.23	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	13.41	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	23.24	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	55.75	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	12.50	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	41.35	10	6	39.50	776.3	22.39	42.39	19.5	39.5	796.3	776.3	20.00
MW-25	Geoprobe 3230 DT HSA	MW-10463	1/5/2016	Still in use	Monitoring Well/Gauging	823.46	826.18	18.04	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	823.59	823.81	56.43	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	17.27	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	42.81	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	30.11	10	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	50.25	10	6	46.00	808.3	40.25	50.25	36.0	46.0	818.3	808.3	10.00
MW-28	Geoprobe 3230 DT HSA	MW-10468	1/4/2016	Still in use	Monitoring Well/Gauging	841.49	844.31	25.21	8	2	23.50	818.0	8.50	23.50	10.0	25.0	831.5	816.5	15.00
MW-29	Geoprobe 3230 DT HSA	MW-10469	1/4/2016	Still in use	Monitoring Well/Gauging	852.07	852.20	15.02	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	14.56	8	2	15.25	826.0	5.00	15.00	5.0	15.0	836.2	826.2	10.00
MW-31	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	842.26	845.04	28.05	8	2	25.00	817.3	13.05	28.05	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	80.76	10	6	76.00	766.0	69.76	80.76	65.0	76.0	777.0	766.0	11.00
MW-32	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	839.81	842.93	28.96	8	2	26.00	813.8	12.96	27.96	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	28.25	8	2	27.00	819.2	11.25	26.25	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	98.15	8	2	96.50	749.7	85.65	95.65	84.0	94.0	762.2	752.2	10.00
MW-35	CME 550 HSA	MW-10578	4/20/2016	Still in use	Monitoring Well/Gauging	826.22	829.40	28.50	8	2	26.00	800.2	12.50	27.50	10.0	25.0	816.2	801.2	15.00

Table 1. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Release, 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 amsl)	Bottom of Well (ft BTOC)	Top of Screen or Open Borehole Interval (ft BTOC)	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-36	CME 550 HSA	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	856.66	858.47	23.62	8	2	24.50	834.2	8.62	23.62	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	47.89	10	6	54.90	803.6	36.99	46.99	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	NS	NS	18.11	8.25	2	16.00	NS	7.11	17.11	5.0	15.0	NS	NS	10.00
MW-38	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	NS	NS	11.44	8.25	2	9.10	NS	6.24	11.24	3.9	8.9	NS	NS	5.00
Recovery Wells																			
RW-01	HSA	MW-09978	1/28/2015	Still in use	Gauging/LNAPL Recovery	849.49	851.92	19.75	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	25.25	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	34.50	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	17.92	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	851.48	852.75	14.00	6.25	4	14	837.5	4.00	14.00	4.0	14.0	847.5	837.5	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
Recovery Sumps																			
RS-01	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	847.95	850.33	23.60	NA	4	21.21	826.7	4.39	23.60	2.0	21.2	845.9	826.7	19.21
RS-02	Trackhoe	MW-09978	12/29/2014	Still in use	Gauging/LNAPL Recovery	848.54	850.10	20.21	NA	4	18.65	829.9	3.56	20.21	2.0	18.6	846.5	829.9	16.65
RS-04	Trackhoe	MW-09978	12/30/2014	Still in use	Gauging/LNAPL Recovery	850.36	851.44	10.25	NA	4	9.17	841.2	3.08	10.25	2.0	9.2	848.4	841.2	7.17
RS-05	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	847.14	848.55	25.20	NA	4	23.79	823.3	3.41	25.20	2.0	23.8	845.1	823.3	21.79
RS-06	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	848.25	850.73	25.18	NA	4	22.70	825.5	4.48	25.18	2.0	22.7	846.2	825.5	20.70
RS-07	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	854.06	856.04	16.78	NA	4	14.80	839.3	3.98	16.78	2.0	14.8	852.1	839.3	12.80
RS-08	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	852.59	854.91	20.22	NA	4	17.91	834.7	4.31	20.22	2.0	17.9	850.6	834.7	15.91
RS-09	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.75	849.12	18.69	NA	4	16.33	830.4	4.37	18.69	2.0	16.3	844.8	830.4	14.33
RS-10	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.28	847.52	20.06	NA	4	18.82	827.5	3.24	20.06	2.0	18.8	844.3	827.5	16.82
RS-11	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.35	848.41	22.06	NA	4	19.99	826.4	4.07	22.06	2.0	20.0	844.3	826.4	17.99
RS-12	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.58	848.87	21.29	NA	4	19.00	827.6	4.29	21.29	2.0	19.0	844.6	827.6	17.00
RS-13	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.51	848.28	19.92	NA	4	17.14	828.4	4.15	19.92	1.4	17.1	844.1	828.4	15.77
RS-14	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.66	846.92	19.93	NA	4	17.68	827.0	4.26	19.93	2.0	17.7	842.7	827.0	15.68
RS-15	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.36	848.97	19.93	NA	4	16.31	829.0	5.62	19.93	2.0	16.3	845.4	829.0	14.31
RS-16	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.56	846.77	19.98	NA	4	17.77	826.8	4.21	19.98	2.0	17.8	842.6	826.8	15.77
RS-17	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	843.29	845.15	19.91	NA	4	18.05	825.2	3.86	19.91	2.0	18.0	841.3	825.2	16.05
RS-18	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	846.82	848.59	19.98	NA	4	18.21	828.6	3.77	19.98	2.0	18.2	844.8	828.6	16.21
RS-19	Trackhoe	MW-09978	1/21/2015	Still in use	Gauging/LNAPL Recovery	849.27	852.37	15.10	NA	4	12.00	837.3	5.10	15.10	2.0	12.0	847.3	837.3	10.00
RS-20	Trackhoe	MW-09978	3/19/2015	Still in use	Gauging/LNAPL Recovery	841.73	843.49	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	856.21	20.80	NA	4	20.00	832.9	5.35	23.35	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	857.30	20.69	NA	4	20.00	833.3	6.00	24.00	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	857.02	20.20	NA	4	20.00	833.5	5.47	23.47	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	818.31	10.81	NA	4	10.00	805.7	4.66	12.66	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	818.92	10.82	NA	4	10.00	806.7	4.20	12.20	2.0	10.0	814.7	806.7	8
RT-2C	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.86	819.02	10.23	NA	4	10.00	806.9	4.15	12.15	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	819.57	10.21	NA	4	10.00	807.1	4.46	12.46	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	819.40	10.24	NA	4	10.00	807.3	4.08	12.08	2.0	10.0	815.3	807.3	8

Table 1. Well Construction Information
 Plantation Pipe Line Company
 Lewis Drive Release, 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 amsl)	Bottom of Well (ft BTOC)	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)
RT-2F	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.74	819.52	10.23	NA	4	10.00	807.7	3.78	11.78	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	820.31	10.24	NA	4	10.00	809.3	3.04	11.04	2.0	10.0	817.3	809.3	8
RT-2H	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.91	822.17	8.35	NA	4	10.00	809.9	3.90	12.25	1.7	10.0	818.3	809.9	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	2.28	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	818.38	10.22	NA	4	10.00	807.5	2.91	10.91	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	817.46	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	820.38	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	12.71	2.2	1	14	835.7	2.71	12.71	4.0	12.7	845.7	837.0	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	25.05	2.2	1	24	827.9	10.05	25.05	9.0	25.1	842.9	826.8	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	33.58	2.2	1	34	815.4	8.58	33.58	9.0	33.6	840.4	815.8	25
TW-42	DPT	MW-09978	1/25/2015	Still in use	Gauging	847.02	846.84	39.80	2.2	1	29.5	817.5	19.80	39.80	9.5	40.0	837.5	807.0	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	811.4	25
TW-46	DPT	MW-09978	1/26/2015	Still in use	Gauging	846.89	846.88	33.44	2.2	1	32	814.9	13.44	33.44	12.0	33.4	834.9	813.4	20
TW-55	DPT	MW-10006	2/5/2015	Still in use	Gauging	846.00	845.93	43.00	2.7	1	43	803.0	13.00	43.00	13.0	43.1	833.0	802.9	30
TW-59	DPT	MW-09978	1/30/2015	Still in use	Gauging	834.84	834.78	22.00	2.7	1	22	812.8	7.00	22.00	7.0	22.1	827.8	812.8	15
TW-60	DPT	MW-09978	1/30/2015	Still in use	Gauging	828.00	828.03	40.40	2.7	1	41.5	786.5	5.40	40.40	6.5	40.4	821.5	787.6	35
TW-64	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.89	845.88	56.43	2.2	1	55	790.9	6.43	56.43	5.0	56.4	840.9	789.5	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	29.70	2.7	1	24	796.2	9.70	29.70	4.0	29.6	816.2	790.6	20
TW-67	DPT	MW-09978	2/3/2015	Still in use	Gauging	852.88	852.71	26.31	2.7	1	27	825.9	6.31	26.31	7.0	26.5	845.9	826.4	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
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	852.33	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	30.00	2.7	1	30	810.5	5.00	30.00	5.0	30.1	835.5	810.4	25
Vertical Air Sparge Wells																			
VAS-01	Mobile B57 HSA	SCH03020469	7/28/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	32.20	NA	NA	NA	28.70	31.20	NA	NA	2.50
VAS-02	Mobile B57 HSA	SCH03020469	7/27/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	27.00	NA	NA	NA	23.50	26.00	NA	NA	2.50
VAS-03	Mobile B57 HSA	SCH03020469	7/27/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	18.30	NA	NA	NA	14.80	17.30	NA	NA	2.50

Table 1. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Release, 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)
VAS-04	Geoprobe 8040 HSA	SCH03020469	8/4/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	16.70	NA	NA	NA	13.20	15.70	NA	NA	2.50
VAS-05	Mobile B57 HSA	SCH03020469	7/27/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	13.00	NA	NA	NA	9.50	12.00	NA	NA	2.50
VAS-06	Mobile B57 HSA	SCH03020469	7/26/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	14.40	NA	NA	NA	10.90	13.40	NA	NA	2.50
VAS-07	Mobile B57 HSA	SCH03020469	7/26/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	19.40	NA	NA	NA	15.90	18.40	NA	NA	2.50
VAS-08	Mobile B57 HSA	SCH03020469	7/25/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	22.00	NA	NA	NA	18.50	21.00	NA	NA	2.50
VAS-09	Mobile B57 HSA	SCH03020469	7/25/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	14.00	NA	NA	NA	10.50	13.00	NA	NA	2.50
VAS-10	Mobile B57 HSA	SCH03020469	7/25/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	16.10	NA	NA	NA	12.60	15.10	NA	NA	2.50
VAS-11	Mobile B57 HSA	SCH03020469	7/28/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	25.30	NA	NA	NA	21.80	24.30	NA	NA	2.50
VAS-12	Geoprobe 8040 HSA	SCH03020469	8/5/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	24.20	NA	NA	NA	20.70	23.20	NA	NA	2.50
VAS-13	Geoprobe 8040 HSA	SCH03020469	8/5/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	19.60	NA	NA	NA	16.10	18.60	NA	NA	2.50
VAS-14	Geoprobe 8040 HSA	SCH03020469	8/4/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	16.20	NA	NA	NA	12.70	15.20	NA	NA	2.50
VAS-15	Geoprobe 8040 HSA	SCH03020469	8/4/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	15.50	NA	NA	NA	12.00	14.50	NA	NA	2.50
VAS-16	Geoprobe 8040 HSA	SCH03020469	8/3/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	17.90	NA	NA	NA	14.40	16.90	NA	NA	2.50
VAS-17	Geoprobe 8040 HSA	SCH03020469	8/3/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	19.30	NA	NA	NA	15.80	18.30	NA	NA	2.50
VAS-18	Geoprobe 8040 HSA	SCH03020469	8/8/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-19	Mobile B57 HSA	SCH03020469	7/26/2016	Still in use	Cupboard Creek Protection	NS	NS	NA	8.50	2.00	17.20	NA	NA	NA	13.60	16.10	NA	NA	2.50
VAS-20	Mobile B57 HSA	SCH03020469	7/19/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	47.60	NA	NA	NA	44.60	47.10	NA	NA	2.50
VAS-21	Mobile B57 HSA	SCH03020469	7/19/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-22	Mobile B57 HSA	SCH03020469	7/21/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	57.00	NA	NA	NA	53.50	56.00	NA	NA	2.50
VAS-23	Mobile B57 HSA	SCH03020469	7/22/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	49.50	NA	NA	NA	46.00	48.50	NA	NA	2.50
VAS-24	Mobile B57 HSA	SCH03020469	7/5/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	58.50	NA	NA	NA	55.00	57.50	NA	NA	2.50
VAS-25	Mobile B57 HSA	SCH03020469	7/11/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-26	Mobile B57 HSA	SCH03020469	7/11/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	55.00	NA	NA	NA	51.50	54.00	NA	NA	2.50
VAS-27	Mobile B57 HSA	SCH03020469	7/8/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-28	Mobile B57 HSA	SCH03020469	7/6/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	23.10	NA	NA	NA	19.80	22.30	NA	NA	2.50
VAS-29	Mobile B57 HSA	SCH03020469	7/6/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	27.50	NA	NA	NA	24.00	26.50	NA	NA	2.50
VAS-30	Mobile B57 HSA	SCH03020469	6/21/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	52.90	NA	NA	NA	49.40	51.90	NA	NA	2.50
VAS-31	Mobile B57 HSA	SCH03020469	6/21/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	42.00	NA	NA	NA	38.50	41.00	NA	NA	2.50
VAS-32	Mobile B57 HSA	SCH03020469	6/30/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	43.00	NA	NA	NA	39.50	42.00	NA	NA	2.50
VAS-33	Mobile B57 HSA	SCH03020469	6/29/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	52.60	NA	NA	NA	49.10	51.60	NA	NA	2.50
VAS-34	Mobile B57 HSA	SCH03020469	7/13/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-35	Mobile B57 HSA	SCH03020469	7/13/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-36	Mobile B57 HSA	SCH03020469	7/7/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	33.20	NA	NA	NA	29.70	32.20	NA	NA	2.50
VAS-37	Mobile B57 HSA	SCH03020469	7/7/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-38	Mobile B57 HSA	SCH03020469	7/6/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	21.10	NA	NA	NA	16.60	19.10	NA	NA	2.50
VAS-39	Mobile B57 HSA	SCH03020469	6/22/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	42.40	NA	NA	NA	38.90	41.40	NA	NA	2.50
VAS-40	Mobile B57 HSA	SCH03020469	6/23/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	40.00	NA	NA	NA	36.50	39.00	NA	NA	2.50
VAS-41	Mobile B57 HSA	SCH03020469	6/28/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	27.80	NA	NA	NA	24.30	26.80	NA	NA	2.50
VAS-42A	Mobile B57 HSA	SCH03020469	7/14/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	39.30	NA	NA	NA	35.80	38.30	NA	NA	2.50
VAS-43A	Mobile B57 HSA	SCH03020469	7/15/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	66.50	NA	NA	NA	63.00	65.50	NA	NA	2.50
VAS-44A	Mobile B57 HSA	SCH03020469	7/18/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	72.50	NA	NA	NA	69.00	71.50	NA	NA	2.50
VAS-46	Mobile B57 HSA	SCH03020469	6/24/2016	Still in use	Brown's Creek Protection	NS	NS	NA	8.50	2.00	20.80	NA	NA	NA	18.00	20.50	NA	NA	2.50

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 2. Stream Gauge Construction Information

Plantation Pipe Line Company

Lewis Drive Release, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Date Installed	Stream Bottom Elevation (ft amsl)	Elevation of Zero Mark (ft amsl)
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

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. Analytical Results for Surface Water
 Lewis Drive Release, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Analyte: Units	Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
				330	490	2,400	2,100	940	140	5.7 J
SW-SEEP	SW-RELEASE	1/20/2015	µg/L							
	SW01-121114	12/11/2014	µg/L	0.5 U	1 U	1 U	2 U	1 U	1 U ¹	1 U
	SW01-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-033115	3/31/2015	µg/L	5 U ¹	5 U	17.6	10 U	5 U	5 U ¹	NA
	SW01-042215	4/22/2015	µg/L	5 U ¹	5 U	14.9	10 U	5 U	5 U ¹	NA
	SW01-050715	5/7/2015	µg/L	5 U ¹	5 U	7.0	10 U	5 U	5 U ¹	NA
	SW01-051915	5/19/2015	µg/L	5 U ¹	5 U	8.8	10.6	6.4	5 U ¹	NA
	SW01-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW01-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW01-112415	11/24/2015	µg/L	7.8	1.5	13.0	9.3	4.6	1 U ¹	NA
	SW01-122215	12/22/2015	µg/L	4.6	1 U	8.8	5.5	3.1	1 U ¹	NA
	SW01-012516	1/25/2016	µg/L	17.6	2.3	36.0	11.3	6.3	1 U ¹	NA
	SW01-021816	2/18/2016	µg/L	23.4	3.0	55.6	15.0	9.1	1 U ¹	NA
SW01-031616	3/16/2016	µg/L	20.1	2.4	42.3	13.3	7.6	1 U ¹	NA	
SW01-042716	4/27/2016	µg/L	20.8	1 U	30.6	2.9	2.0	1 U ¹	NA	
SW01-050916	5/9/2016	µg/L	16.5	1.4	16.3	7.0	4.8	1 U ¹	NA	
SW01-062716	6/27/2016	µg/L	9	1 U	3.3	2 U	1 U	1 U ¹	NA	
SW01-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW01-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW01-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW01-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW01-112816	11/28/2016	µg/L	5.0	1 U	10.4	4.9	8.3	1 U ¹	NA	
SW-02	SW02-121114	12/11/2014	µg/L	0.5 U	1 U	1 U	2 U	1 U	1 U ¹	1 U
	SW02-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-033115	3/31/2015	µg/L	5 U ¹	5 U	6.0	10 U	5 U	5 U ¹	NA
	SW02-042215	4/22/2015	µg/L	5 U ¹	5 U	13.0	10 U	5 U	5 U ¹	NA
	SW02-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW02-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW02-112415	11/24/2015	µg/L	6	1.3	10.0	7.8	4.0	1 U ¹	NA
	SW02-122215	12/22/2015	µg/L	4.1	1 U	7.6	5.1	3.1	1 U ¹	NA
	SW02-012516	1/25/2016	µg/L	12	1.5	25.0	8.4	4.6	1 U ¹	NA
	SW02-021816	2/18/2016	µg/L	15.5	1.8	35.3	10.1	5.9	1 U ¹	NA
	SW02-031616	3/16/2016	µg/L	8	1.0	17.5	5.8	3.9	1 U ¹	NA
SW02-042716	4/27/2016	µg/L	5.6	1 U	7.1	2 U	1 U	1 U ¹	NA	
SW02-050916	5/9/2016	µg/L	7.1	1 U	4.5	2.2	1.6	1 U ¹	NA	
SW02-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW02-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW02-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW02-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW02-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW02-112816	11/28/2016	µg/L	5.4	1 U	1.6	2.6	4.8	1 U ¹	NA	

Table 3. Analytical Results for Surface Water
 Lewis Drive Release, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Analyte: Units	Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
SW-03	SW-UPGRADIENT	1/20/2015	µg/L	0.5 U	1 U	0.23 J	2 U	1 U	1 U ¹	1 U
	SW03-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW03-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-DOWNGRADIENT	1/20/2015	µg/L	95	27	310	110	63	94	2.7	
SW-04	SW04-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW04-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW04-112415	11/24/2015	µg/L	1.7	1 U	2.7	2.9	1.6	1 U ¹	NA
	SW04-122215	12/22/2015	µg/L	3.3	1 U	7.3	5.2	2.7	1 U ¹	NA
	SW04-012516	1/25/2016	µg/L	6.9	1 U	14.0	4.9	2.8	1 U ¹	NA
	SW04-021816	2/18/2016	µg/L	10.9	1.1	25.4	7.0	4.3	1 U ¹	NA
	SW04-031616	3/16/2016	µg/L	1 U	1 U	2.0	2 U	1.8	1 U ¹	NA
	SW04-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW04-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-062716	6/27/2016	µg/L	1 U	1 U	1.1	2 U	1 U	1 U ¹	NA	
SW04-072816	7/28/2016	µg/L	1 U	1 U	23.5	2 U	1 U	1 U ¹	NA	
SW04-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-05	SW05-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW05-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW05-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW05-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW-06	SW06-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW06-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW06-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW06-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW06-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW06-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
SW06-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW06-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW06-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	

Table 3. Analytical Results for Surface Water
 Lewis Drive Release, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Analyte: Units	Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
SW-07	SW07-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW07-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW07-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW07-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW07-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW07-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW07-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW07-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW07-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-08	SW08-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW08-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW08-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW08-122215	12/22/2015	µg/L	1.6	1 U	3.8	2.5	1.6	1 U ¹	NA
	SW08-012516	1/25/2016	µg/L	2.4	1 U	5.6	2	1.3	1 U ¹	NA
SW08-021816	2/18/2016	µg/L	2.9	1 U	7.6	2.3	1.5	1 U ¹	NA	
SW08-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-09	SW09-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW09-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW09-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW09-122215	12/22/2015	µg/L	2.1	1 U	4.8	3.3	2.1	1 U ¹	NA
	SW09-012516	1/25/2016	µg/L	3.3	1 U	7.1	2.4	1.5	1 U ¹	NA
SW09-021816	2/18/2016	µg/L	2.2	1 U	5.9	2 U	1.2	1 U ¹	NA	
SW09-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	

Table 3. Analytical Results for Surface Water
 Lewis Drive Release, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Analyte: Units	Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
SW-10	SW10-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW10-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW10-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW10-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-11	SW11-022515	2/25/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-030215	3/2/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-031115	3/11/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-031815	3/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-033115	3/31/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-042215	4/22/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-050715	5/7/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-051915	5/19/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-060315	6/3/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-061815	6/18/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-071515	7/15/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-081315	8/13/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-092415	9/24/2015	µg/L	5 U ¹	5 U	5 U	10 U	5 U	5 U ¹	NA
	SW11-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW11-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW11-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-12	SW12-081916	8/19/2016	µg/L	6,430	764	15,400	3,360	1,730	128	NA
	SW12-092916	9/29/2016	µg/L	7,850	1,030	19,000	3,910	1,940	143	NA
	SW12-103116	10/31/2016	µg/L	165	17.7	302	103	58.2	4.7	NA
	SW12-112816	11/28/2016	µg/L	486	59.6	976	351	181	14.2	NA
	SW13-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW-13	SW13-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW13-103116	10/31/2016	µg/L	1 U	1 U	2.0	2 U	1 U	1 U ¹	NA
	SW13-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
FP-01	FP01-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
FP01-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
FP-02	FP02-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
FP02-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	

Table 3. Analytical Results for Surface Water
 Lewis Drive Release, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Analyte: Units	Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
FP-03	FP-03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
Screening Value:			µg/L	2.2 ^a	530 ^a	1,000 ^a	190 ^{b,c}	190 ^b	0.17 ^b	14 ^b

Notes:

^a South Carolina Department of Health and Environmental Control (SC DHEC) R.61-68, Water Classifications and Standards, Human Health for consumption of water and organism, June 22, 2012

^b U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs). Tapwater. June 2015. RSLs based on hazard quotient (HQ) = 1 and cancer risk = 1×10^{-6}

^c RSL value for total xylenes used for m&p-Xylene

¹ 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 for volatile organic compounds by EPA method SW 8260B

ID = identification

J = estimated value between method detection limit and the reporting limit

MTBE = methyl tertiary butyl ether

NA = not analyzed

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

µg/L = microgram(s) per liter

Bold indicates the analyte was detected above the laboratory reporting/quantitation limit.

Gray shading indicates the analyte exceeded screening criteria.

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Release, 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 ¹ (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ² Groundwater Elevation (ft amsl)
MW-01	11/10/2016	-	14.42	-	853.07	838.65	-
MW-01B	11/10/2016	-	13.66	-	852.99	839.33	-
MW-02	11/10/2016	-	11.52	-	841.04	829.52	-
MW-02B	11/10/2016	-	11.63	-	841.18	829.55	-
MW-03	11/10/2016	-	11.48	-	838.36	826.88	-
MW-04	11/10/2016	-	12.85	-	844.42	831.57	-
MW-05	11/10/2016	-	12.80	-	851.11	838.31	-
MW-06	11/10/2016	-	14.83	-	852.92	838.09	-
MW-07	11/10/2016	-	14.20	-	853.02	838.82	-
MW-08	11/10/2016	-	14.35	-	844.72	830.37	-
MW-09	11/10/2016	10.33	11.21	0.88	843.63	832.42	833.06
MW-10	11/10/2016	-	18.30	-	845.41	827.11	-
MW-11	11/10/2016	-	DRY	-	855.63	-	-
MW-12	11/10/2016	15.70	17.25	1.55	834.53	817.28	818.41
MW-12B	11/10/2016	-	16.54	-	834.98	818.44	-
MW-13	11/10/2016	-	22.61	-	848.84	826.23	-
MW-13B	11/10/2016	-	23.78	-	849.82	826.04	-
MW-14	11/10/2016	-	18.38	-	838.70	820.32	-
MW-14B	11/10/2016	-	18.94	-	840.20	821.26	-
MW-15	11/10/2016	-	14.21	-	831.03	816.82	-
MW-15B	11/10/2016	-	17.21	-	831.29	814.08	-
MW-16	11/10/2016	12.43	12.70	0.27	847.67	834.97	835.16
MW-17	11/10/2016	-	12.03	-	855.35	843.32	-
MW-17B	11/10/2016	-	16.18	-	855.37	839.19	-
MW-18	11/10/2016	14.76	15.96	1.20	846.89	830.93	831.80

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Release, 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 ¹ (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ² Groundwater Elevation (ft amsl)
MW-19	11/10/2016	-	12.38	-	853.94	841.56	-
MW-20	11/10/2016	12.23	13.83	1.60	852.89	839.06	840.22
MW-21	11/10/2016	-	17.10	-	855.77	838.67	-
MW-22	11/10/2016	-	16.26	-	854.60	838.34	-
MW-23	11/10/2016	-	11.15	-	849.57	838.42	-
MW-23B	11/10/2016	-	7.51	-	849.69	842.18	-
MW-24	11/10/2016	-	5.57	-	817.92	812.35	-
MW-24B	11/10/2016	-	6.73	-	818.72	811.99	-
MW-25	11/10/2016	-	11.15	-	826.18	815.03	-
MW-25B	11/10/2016	-	6.30	-	823.81	817.51	-
MW-26	11/10/2016	-	8.18	-	847.56	839.38	-
MW-26B	11/10/2016	-	9.70	-	847.81	838.11	-
MW-27	11/10/2016	-	27.80	-	854.11	826.31	-
MW-27B	11/10/2016	-	31.13	-	857.14	826.01	-
MW-28	11/10/2016	-	24.20	-	844.31	820.11	-
MW-29	11/10/2016	-	10.77	-	852.20	841.43	-
MW-30	11/10/2016	-	9.70	-	841.28	831.58	-
MW-31	11/10/2016	-	20.15	-	845.04	824.89	-
MW-31B	11/10/2016	-	21.44	-	844.94	823.50	-
MW-32	11/10/2016	-	16.44	-	842.93	826.49	-
MW-33	11/10/2016	-	25.52	-	849.20	823.68	-
MW-33T	11/10/2016	-	26.73	-	849.11	822.38	-
MW-35	11/10/2016	-	11.10	-	829.40	818.30	-
MW-36	11/10/2016	-	19.04	-	858.47	839.43	-
MW-36B	11/10/2016	-	18.77	-	858.15	839.38	-

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Release, 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 ¹ (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ² Groundwater Elevation (ft amsl)
MW-37	11/10/2016	-	4.35	-	NS	NS	-
MW-38	11/10/2016	-	2.58	-	NS	NS	-
RS-01	11/10/2016	18.56	19.40	0.84	850.33	830.93	831.55
RS-02	11/10/2016	17.15	18.41	1.26	850.10	831.69	832.61
RS-04	11/10/2016	-	10.12	-	851.44	841.32	-
RS-05	11/10/2016	16.75	17.68	0.93	848.55	830.87	831.55
RS-06	11/10/2016	17.96	18.73	0.77	850.73	832.00	832.56
RS-07	11/10/2016	-	DRY	-	856.04	-	-
RS-08	11/10/2016	16.86	18.89	2.03	854.91	836.02	837.50
RS-09	11/10/2016	18.13	18.48	0.35	849.12	830.64	830.90
RS-10	11/10/2016	15.20	16.44	1.24	847.52	831.08	831.99
RS-11	11/10/2016	15.46	15.90	0.44	848.41	832.51	832.83
RS-12	11/10/2016	16.03	16.56	0.53	848.87	832.31	832.70
RS-13	11/10/2016	16.70	17.36	0.66	848.28	830.92	831.40
RS-14	11/10/2016	15.44	15.68	0.24	846.92	831.24	831.41
RS-15	11/10/2016	16.20	16.50	0.30	848.97	832.47	832.69
RS-16	11/10/2016	16.47	16.83	0.36	846.77	829.94	830.20
RS-17	11/10/2016	15.50	15.76	0.26	845.15	829.39	829.58
RS-18	11/10/2016	17.94	18.40	0.46	848.59	830.19	830.53
RS-19	11/10/2016	14.70	NO WATER	0.40	852.37	-	-
RS-20	11/10/2016	-	13.50	-	843.49	829.99	-
RT-1A	11/10/2016	18.70	19.73	1.03	856.21	836.48	837.23
RT-1B	11/10/2016	19.25	20.10	0.85	857.30	837.20	837.82
RT-1C	11/10/2016	19.90	20.90	1.00	857.02	836.12	836.85
RT-2A	11/10/2016	-	2.90	-	818.31	815.41	-

Table 4. Groundwater Elevation and Product Thickness Data
Plantation Pipe Line Company
Lewis Drive Release, 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 ¹ (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ² Groundwater Elevation (ft amsl)
RT-2B	11/10/2016	-	3.46	-	818.92	815.46	-
RT-2C	11/10/2016	-	3.24	-	819.02	815.78	-
RT-2D	11/10/2016	-	4.18	-	819.57	815.39	-
RT-2E	11/10/2016	-	3.67	-	819.40	815.73	-
RT-2F	11/10/2016	-	3.56	-	819.52	815.96	-
RT-2G	11/10/2016	-	3.67	-	820.31	816.64	-
RT-2H	11/10/2016	-	5.55	-	822.17	816.62	-
RT-2I	11/10/2016	-	3.51	-	819.51	816.00	-
RT-2J	11/10/2016	2.44	2.57	0.13	818.38	815.81	815.91
RT-2K	11/10/2016	-	1.42	-	817.46	816.04	-
RT-2L	11/10/2016	4.42	4.62	0.20	820.38	815.76	815.90
RW-01	11/10/2016	-	20.15	-	851.92	831.77	-
RW-02	11/10/2016	24.69	25.26	0.57	852.69	827.43	827.85
RW-03	11/10/2016	30.88	32.84	1.96	852.34	819.50	820.93
RW-04	11/10/2016	31.20	33.00	1.80	853.93	820.93	822.25
RW-05	11/10/2016	34.55	35.95	1.40	853.53	817.58	818.61
RW-06	11/10/2016	28.60	29.15	0.55	846.21	817.06	817.46
RW-07	11/10/2016	24.58	27.16	2.58	843.19	816.03	817.92
RW-08	11/10/2016	18.26	18.60	0.34	835.48	816.88	817.13
RW-09	11/10/2016	15.12	17.06	1.94	835.12	818.06	819.48
RW-10	11/10/2016	16.76	22.75	5.99	848.53	825.78	830.16
RW-11	11/10/2016	14.69	17.40	2.71	852.97	835.57	837.55
RW-12	11/10/2016	-	15.90	-	852.75	836.85	-
RW-13	11/10/2016	17.20	20.15	2.95	847.97	827.82	829.97
RW-14	11/10/2016	12.68	12.92	0.24	827.54	814.62	814.80

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Release, 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 ¹ (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ² Groundwater Elevation (ft amsl)
RW-15	11/10/2016	-	15.74	-	851.64	835.90	-
SW-01	11/28/2016	-	(0.49)	-	812.82	813.31	-
SW-02	11/28/2016	-	(1.00)	-	808.65	809.65	-
SW-03	11/28/2016	-	(0.30)	-	815.09	815.39	-
SW-05	11/28/2016	-	NM	-	838.75	-	-
SW-08	11/28/2016	-	(1.08)	-	802.04	803.12	-
SW-10	11/28/2016	-	(0.35)	-	778.09	778.44	-

¹ Elevation of zero mark (ft amsl) for surface water staff gauges

² Calculated based on an oil:water density ratio of 0.73

amsl = above mean sea level

BTOC = below top of casing

ft = feet

NM = not measured

NS = elevation not yet surveyed



December 01, 2016

Bill Waldron
CH2M HILL
1717 Arch St
Suite 4400
Glenside, PA 19038

RE: Project: KINDERMORGAN-LEWIS DR(SURFACE
Pace Project No.: 92321017

Dear Bill Waldron:

Enclosed are the analytical results for sample(s) received by the laboratory on November 29, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Bethany Garvey, CH2M HILL
Scott Powell, CH2M
Tom Wiley, CH2M



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92321017001	SW11-112816	EPA 8260	GAW	10	PASI-C
92321017002	SW10-112816	EPA 8260	GAW	10	PASI-C
92321017003	FP03-112816	EPA 8260	GAW	10	PASI-C
92321017004	FP01-112816	EPA 8260	GAW	10	PASI-C
92321017005	FP02-112816	EPA 8260	GAW	10	PASI-C
92321017006	SW09-112816	EPA 8260	GAW	10	PASI-C
92321017007	SW08-112816	EPA 8260	GAW	10	PASI-C
92321017008	SW13-112816	EPA 8260	GAW	10	PASI-C
92321017009	SW02-112816	EPA 8260	GAW	10	PASI-C
92321017010	SW04-112816	EPA 8260	GAW	10	PASI-C
92321017011	SW01-112816	EPA 8260	GAW	10	PASI-C
92321017012	SW12-112816	EPA 8260	GAW	10	PASI-C
92321017013	SW03-112816	EPA 8260	GAW	10	PASI-C
92321017014	TB-112816	EPA 8260	GAW	10	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: SW11-112816	Lab ID: 92321017001	Collected: 11/28/16 11:55	Received 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 17:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 17:03	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 17:03	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 17:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 17:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 17:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 17:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		11/29/16 17:03	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		11/29/16 17:03	17060-07-0	
Toluene-d8 (S)	112	%	70-130	1		11/29/16 17:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: SW10-112816		Lab ID: 92321017002		Collected: 11/28/16 12:05	Received: 11/29/16 09:50	Matrix: Water		
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	ND	ug/L	1.0	1		11/29/16 17:20	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 17:20	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 17:20	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 17:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 17:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 17:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 17:20	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		11/29/16 17:20	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		11/29/16 17:20	17060-07-0	
Toluene-d8 (S)	111	%	70-130	1		11/29/16 17:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: FP03-112816	Lab ID: 92321017003	Collected: 11/28/16 12:20	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 17:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 17:36	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 17:36	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 17:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 17:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 17:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 17:36	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		11/29/16 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		11/29/16 17:36	17060-07-0	
Toluene-d8 (S)	112	%	70-130	1		11/29/16 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: FP01-112816 Lab ID: 92321017004 Collected: 11/28/16 12:30 Received: 11/29/16 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	ND	ug/L	1.0	1		11/29/16 17:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 17:52	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 17:52	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 17:52	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 17:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 17:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 17:52	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	70-130	1		11/29/16 17:52	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		11/29/16 17:52	17060-07-0	
Toluene-d8 (S)	111	%	70-130	1		11/29/16 17:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No. 92321017

Sample: FP02-112816	Lab ID: 92321017005	Collected: 11/28/16 12:40	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 18:08	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 18:08	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 18:08	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 18:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 18:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 18:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 18:08	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		11/29/16 18:08	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/29/16 18:08	17060-07-0	
Toluene-d8 (S)	109	%	70-130	1		11/29/16 18:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: SW09-112816		Lab ID: 92321017006		Collected: 11/28/16 12:50	Received: 11/29/16 09:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	ND	ug/L	1.0	1		11/29/16 18:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 18:24	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 18:24	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 18:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 18:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 18:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 18:24	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		11/29/16 18:24	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/29/16 18:24	17060-07-0	
Toluene-d8 (S)	110	%	70-130	1		11/29/16 18:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: SW08-112816	Lab ID: 92321017007	Collected: 11/28/16 13:00	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 18:41	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 18:41	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 18:41	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 18:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 18:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 18:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 18:41	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		11/29/16 18:41	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		11/29/16 18:41	17060-07-0	
Toluene-d8 (S)	110	%	70-130	1		11/29/16 18:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

Sample: SW13-112816	Lab ID: 92321017008	Collected: 11/28/16 13:05	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 18:57	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 18:57	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 18:57	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 18:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 18:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 18:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 18:57	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		11/29/16 18:57	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		11/29/16 18:57	17060-07-0	
Toluene-d8 (S)	108	%	70-130	1		11/29/16 18:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No. 92321017

Sample: SW02-112816	Lab ID: 92321017009	Collected: 11/28/16 13:25	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method EPA 8260							
Benzene	5.4	ug/L	1.0	1		11/29/16 19:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 19:13	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 19:13	91-20-3	
Toluene	1.6	ug/L	1.0	1		11/29/16 19:13	108-88-3	
Xylene (Total)	7.4	ug/L	1.0	1		11/29/16 19:13	1330-20-7	
m&p-Xylene	2.6	ug/L	2.0	1		11/29/16 19:13	179601-23-1	
o-Xylene	4.8	ug/L	1.0	1		11/29/16 19:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		11/29/16 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/29/16 19:13	17060-07-0	
Toluene-d8 (S)	109	%	70-130	1		11/29/16 19:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

Sample: SW04-112816	Lab ID: 92321017010	Collected: 11/28/16 13:20	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 19:29	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 19:29	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 19:29	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 19:29	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 19:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 19:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 19:29	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	1		11/29/16 19:29	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/29/16 19:29	17060-07-0	
Toluene-d8 (S)	110	%	70-130	1		11/29/16 19:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

Sample: SW01-112816		Lab ID: 92321017011	Collected: 11/28/16 13:35	Received: 11/29/16 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	5.0	ug/L	1.0	1		11/29/16 19:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 19:45	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 19:45	91-20-3	
Toluene	10.4	ug/L	1.0	1		11/29/16 19:45	108-88-3	
Xylene (Total)	13.3	ug/L	1.0	1		11/29/16 19:45	1330-20-7	
m&p-Xylene	4.9	ug/L	2.0	1		11/29/16 19:45	179601-23-1	
o-Xylene	8.3	ug/L	1.0	1		11/29/16 19:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	70-130	1		11/29/16 19:45	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		11/29/16 19:45	17060-07-0	
Toluene-d8 (S)	107	%	70-130	1		11/29/16 19:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: SW12-112816		Lab ID: 92321017012	Collected: 11/28/16 13:45	Received: 11/29/16 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	486	ug/L	5.0	5		11/30/16 15:05	71-43-2	
Ethylbenzene	59.6	ug/L	5.0	5		11/30/16 15:05	100-41-4	
Naphthalene	14.2	ug/L	5.0	5		11/30/16 15:05	91-20-3	
Toluene	976	ug/L	5.0	5		11/30/16 15:05	108-88-3	
Xylene (Total)	532	ug/L	5.0	5		11/30/16 15:05	1330-20-7	
m&p-Xylene	351	ug/L	10.0	5		11/30/16 15:05	179601-23-1	
o-Xylene	181	ug/L	5.0	5		11/30/16 15:05	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	5		11/30/16 15:05	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	5		11/30/16 15:05	17060-07-0	
Toluene-d8 (S)	100	%	70-130	5		11/30/16 15:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: SW03-112816	Lab ID: 92321017013	Collected: 11/28/16 13 55	Received: 11/29/16 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/29/16 20:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 20:01	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 20:01	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 20:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 20:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 20 01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 20:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		11/29/16 20:01	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		11/29/16 20:01	17060-07-0	
Toluene-d8 (S)	111	%	70-130	1		11/29/16 20:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC



ANALYTICAL RESULTS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Sample: TB-112816 Lab ID: 92321017014 Collected: 11/28/16 00:00 Received: 11/29/16 09 50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC		Analytical Method: EPA 8260						
Benzene	ND	ug/L	1.0	1		11/29/16 16:15	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/29/16 16:15	100-41-4	
Naphthalene	ND	ug/L	1.0	1		11/29/16 16:15	91-20-3	
Toluene	ND	ug/L	1.0	1		11/29/16 16:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		11/29/16 16:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/16 16 15	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/16 16:15	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		11/29/16 16:15	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		11/29/16 16:15	17060-07-0	
Toluene-d8 (S)	109	%	70-130	1		11/29/16 16.15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

QC Batch: 338608 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92321017001, 92321017002, 92321017003, 92321017004, 92321017005, 92321017006, 92321017007, 92321017008, 92321017009, 92321017010, 92321017011, 92321017013, 92321017014

METHOD BLANK: 1877477 Matrix Water
Associated Lab Samples: 92321017001, 92321017002, 92321017003, 92321017004, 92321017005, 92321017006, 92321017007, 92321017008, 92321017009, 92321017010, 92321017011, 92321017013, 92321017014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	11/29/16 14:38	
Ethylbenzene	ug/L	ND	1.0	11/29/16 14:38	
m&p-Xylene	ug/L	ND	2.0	11/29/16 14:38	
Naphthalene	ug/L	ND	1.0	11/29/16 14:38	
o-Xylene	ug/L	ND	1.0	11/29/16 14:38	
Toluene	ug/L	ND	1.0	11/29/16 14:38	
Xylene (Total)	ug/L	ND	1.0	11/29/16 14:38	
1,2-Dichloroethane-d4 (S)	%	90	70-130	11/29/16 14:38	
4-Bromofluorobenzene (S)	%	99	70-130	11/29/16 14:38	
Toluene-d8 (S)	%	112	70-130	11/29/16 14:38	

Parameter	Units	1877478		1877479				% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec					
Benzene	ug/L	50	57.4	58.1	115	116	70-130	1	30		
Ethylbenzene	ug/L	50	53.7	53.6	107	107	70-130	0	30		
m&p-Xylene	ug/L	100	105	105	105	105	70-130	1	30		
Naphthalene	ug/L	50	51.7	53.1	103	106	70-130	3	30		
o-Xylene	ug/L	50	53.6	53.6	107	107	70-130	0	30		
Toluene	ug/L	50	51.4	51.5	103	103	70-130	0	30		
Xylene (Total)	ug/L	150	159	158	106	105	70-130	0	30		
1,2-Dichloroethane-d4 (S)	%				102	102	70-130				
4-Bromofluorobenzene (S)	%				97	96	70-130				
Toluene-d8 (S)	%				97	96	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

QC Batch: 338766 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92321017012

METHOD BLANK: 1878439 Matrix: Water
Associated Lab Samples: 92321017012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	11/30/16 11:50	
Ethylbenzene	ug/L	ND	1.0	11/30/16 11:50	
m&p-Xylene	ug/L	ND	2.0	11/30/16 11:50	
Naphthalene	ug/L	ND	1.0	11/30/16 11:50	
o-Xylene	ug/L	ND	1.0	11/30/16 11:50	
Toluene	ug/L	ND	1.0	11/30/16 11:50	
Xylene (Total)	ug/L	ND	1.0	11/30/16 11:50	
1,2-Dichloroethane-d4 (S)	%	95	70-130	11/30/16 11:50	
4-Bromofluorobenzene (S)	%	103	70-130	11/30/16 11:50	
Toluene-d8 (S)	%	105	70-130	11/30/16 11:50	

LABORATORY CONTROL SAMPLE: 1878440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.3	105	70-130	
Ethylbenzene	ug/L	50	48.2	96	70-130	
m&p-Xylene	ug/L	100	98.9	99	70-130	
Naphthalene	ug/L	50	43.7	87	70-130	
o-Xylene	ug/L	50	49.1	98	70-130	
Toluene	ug/L	50	48.0	96	70-130	
Xylene (Total)	ug/L	150	148	99	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1878442

Parameter	Units	92321045004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	20	23.5	117	70-130	
Ethylbenzene	ug/L	ND	20	21.3	106	70-130	
m&p-Xylene	ug/L	ND	40	42.7	107	70-130	
Naphthalene	ug/L	ND	20	17.5	88	70-130	
o-Xylene	ug/L	ND	20	21.1	106	70-130	
Toluene	ug/L	ND	20	22.0	110	70-130	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

SAMPLE DUPLICATE: 1878441

Parameter	Units	92321045003 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	1.1	1.0	9	
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	93	95	2	
4-Bromofluorobenzene (S)	%	102	101	1	
Toluene-d8 (S)	%	108	104	4	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: KINDERMORGAN-LEWIS DR(SURFACE)
Pace Project No.: 92321017

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KINDERMORGAN-LEWIS DR(SURFACE)
 Pace Project No.: 92321017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92321017001	SW11-112816	EPA 8260	338608		
92321017002	SW10-112816	EPA 8260	338608		
92321017003	FP03-112816	EPA 8260	338608		
92321017004	FP01-112816	EPA 8260	338608		
92321017005	FP02-112816	EPA 8260	338608		
92321017006	SW09-112816	EPA 8260	338608		
92321017007	SW08-112816	EPA 8260	338608		
92321017008	SW13-112816	EPA 8260	338608		
92321017009	SW02-112816	EPA 8260	338608		
92321017010	SW04-112816	EPA 8260	338608		
92321017011	SW01-112816	EPA 8260	338608		
92321017012	SW12-112816	EPA 8260	338766		
92321017013	SW03-112816	EPA 8260	338608		
92321017014	TB-112816	EPA 8260	338608		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name: CH2M

Project # **WO#: 92321017**



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 11-29-16 *SK*

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Thermometer: IR Gun ID: T11603 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Correction Factor: Cooler Temp Corrected (°C): 2.4 Biological Tissue Frozen? Yes No N/A

Temp should be above freezing to 6°C
 USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Chain of Custody Present?	Yes	No	N/A	1.	Comments/Discrepancy:
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.	
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.	
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	
Samples Field Filtered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>					
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10.	
Trip Blank Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____
 Comments/Sample Discrepancy: _____

Project Manager SCURF Review: JH Date: 11/29/16
 Project Manager SRF Review: JH Date: 11/29/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

Pg 1
10/20



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92321017

Due Date: 12/01/16

PM: KRG

CLIENT: 92-Kinder-CH2

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	V5GU-20 mL Scintillation vials (N/A)	GN
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Pg 2
10:20



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
**Bottom half of box is to list number of bottles

Projec **WO# : 92321017**
PM: KRG Due Date: 12/01/16
CLIENT: 92-KinderCH2

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	V5GU-20 mL Scintillation vials (N/A)	GN	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

