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March 21, 2017

Delivered via FedEx Overnight Delivery

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

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



Dear Ms. Coleman,

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

Regards,
CH2M HILL Engineers, Inc.

William M. Waldron, P.E.
Senior Project Manager

Attachments:

- 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 Construction Information
 - Table 3 – Analytical Results for Surface Water
 - Table 4 – Groundwater Elevation and Product Thickness Data
 - Table 5 – Product Evacuation Times and Product Thicknesses
 - Surface Water Analytical Laboratory Report

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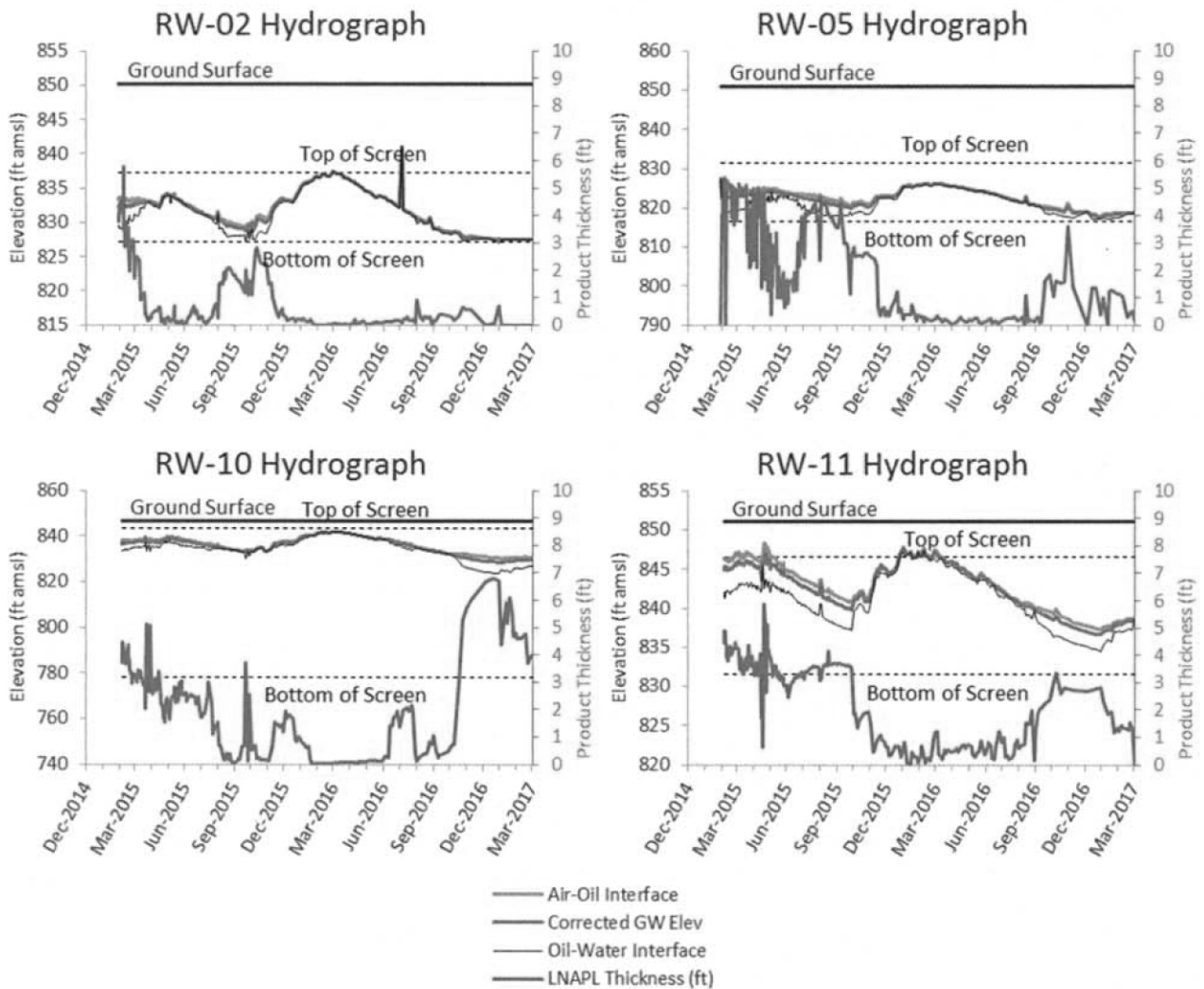
Monthly Status Update
Plantation Pipe Line Company
Lewis Drive Remediation
Site ID #18693 “Kinder Morgan Belton Pipeline Release”
February 2017

Surface Water

- Routinely inspected Brown’s Creek and the wetland area south of West Calhoun Rd. and adjacent to Cupboard Creek for hydrocarbon sheen, odor, or distressed vegetation. No new signs of distressed vegetation, hydrocarbon sheen, or odor have been noted. Widespread biological sheens (not from the hydrocarbon release at the site) were noted on both water bodies. The locations of two previously identified seeps are presented on Figures 1 and 2. The route of inspection is indicated on Figure 1.
- To date, 31 rounds of surface water samples have been analyzed for benzene, toluene, ethylbenzene, xylenes, and naphthalene (see Table 3).
- Collected 13 surface water samples in February 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 above their respective surface water standards:
 - 18.5 micrograms per liter (µg/L) benzene at SW-01
 - 10.7 µg/L benzene at SW-02
 - 26.1 µg/L benzene at SW-12
 - Apart from these locations, no dissolved hydrocarbons were detected above their respective surface water standards in the remaining surface water samples. Analytical lab report is attached.
 - SW-12 is located just downgradient of a seep on the hillside above Brown’s Creek. The seep location is plotted on Figures 1 and 2.
- Stream elevations from staff gauges are tabulated along with groundwater elevations in Table 2 and are depicted on Figure 1.

Product Recovery

- Gauged depth to product and depth to water in recovery sumps, trenches, piezometers, recovery wells, and stream gauges on a routine basis. During the site-wide gauging event on February 2, 2017, 20 wells and sumps had product thicknesses of 0.5 foot or greater. The greatest product thickness was 4.57 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.
- Approximately 2,553 gallons of product were collected in February during twice weekly product evacuation events. Evacuated product/water from Trench RT-2 installed adjacent to Brown’s Creek from the recovery trench extraction points. See Table 5 for wells and sumps that were used for product recovery.
- To date, approximately 217,398 gallons (5,176 barrels) of product have been collected through the end of February 2017. 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 product thickness trends are presented below:



Groundwater

- Installed 4 continuous water level data loggers (In Situ Rugged Troll 100) in MW-02, MW-12, MW-15, and MW-20, and a barometric pressure logger in MW-01 to prepare for system startup activities in March 2017.

Remedial Design and Construction

- Installed lights in the secured equipment compound.
- Certified technicians commissioned the two air compressors.
- The biosparging controls manufacturer tested the functionality of all alarms, telemetry, etc.
- Performed dynamic penetration testing on site soil to verify compressive strength and resolve building permit inspection.
- Installed and plumbed miscellaneous above-grade components, including the receiver tank auto drain, the drain lines from each compressor, and the level switch in the receiver tank.
- Installed pipe stands and leak-tested above-grade piping.
- Implemented various site restoration activities such as grading and hydroseeding.
- Installed a broadband internet Wi-Fi modem for system telemetry.
- Installed 1 fixed air monitoring station each near the Brown’s Creek and Cupboard Creek vertical sparging curtains (total of 2 stations) and initiated baseline air monitoring to prepare for system startup activities in March 2017.

Regulatory Interaction

- Issued monthly status update to SCDHEC.
- Received SCDHEC approval on February 10, 2017, of the Surface Water Protection Plan Addendum to install reactive core mat at the two identified seeps near Brown’s Creek.

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- Submitted a Startup Plan for Surface Water Protection Measures (Rev 2) to SCDHEC on February 23, 2017 and received approval on February 24, 2017 to start sparging after February 28, 2017.
 - Conducted internal stormwater pollution prevention plan (SWPPP) inspections on February 1, 9, 15, and 22.
 - CH2M, SCDHEC, and Anderson County performed a joint surface water sampling event in the Broadway Lake watershed on February 28, 2017.
 - Anderson County Stormwater Department performed a follow-up SWPPP inspection on February 17, 2017. No deficiencies were noted.

Future Activities

- Initiate startup of the surface water protection measures according to the Startup Plan for Surface Water Protection Measures (Rev 2).
- Submit responses to CAP comments, CAP Addendum, and revised Quality Assurance Program Plan (QAPP) by March 2, 2017.
- Install well pair MW-43/-43B across Brown's Creek.
- Install proposed well MW-34 by hand auger between MW-39 and Lewis Drive.
- Install RCM at two seeps on the hillside adjacent to Brown's Creek.
- Gauge recovery wells, recovery sumps, and recovery trenches twice weekly for depth to groundwater and free product thickness.
- Evacuate product from product recovery sumps, trenches, and recovery wells.
- Gauge monitoring wells and piezometers monthly for depth to groundwater and free product thickness.
- Liquids will be collected in an on-site fractionation tank for eventual off-site disposal.
- Continue routine visual inspections of Brown's Creek and Wetland #1 (Cupboard Creek).
- Conduct monthly surface water sampling 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 Product 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	1/18/2017	A&D Archdale, NC	3,758
1/15/2015	Allied Energies	6,500	2/27/2017	Remaining in frac tank	3,780
1/22/2015	Allied Energies	5,791		Total (gallons)	217,398
1/23/2015	Allied Energies	5,450		Total (barrels)	5,176
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. A 21,000 gallon frac tank was mobilized to the site on January 19, 2017. Gasoline and water are field-segregated using the frac tank prior to off-site disposal.

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.

Local Authorities On-Site

- Ms. Nichole Veasey and Mr. Christopher McCluskey from SCDHEC were on site February 23, 2017, to reconnoiter surface water sampling locations.
- Mr. Alex Kostik of the Anderson County Stormwater Department conducted a re-inspection on February 17, 2017. No deficiencies were identified.
- 12 personnel from SCDHEC and 2 personnel from Anderson County were on site February 28, 2017 to perform a surface water sampling event in the Broadway Lake watershed.

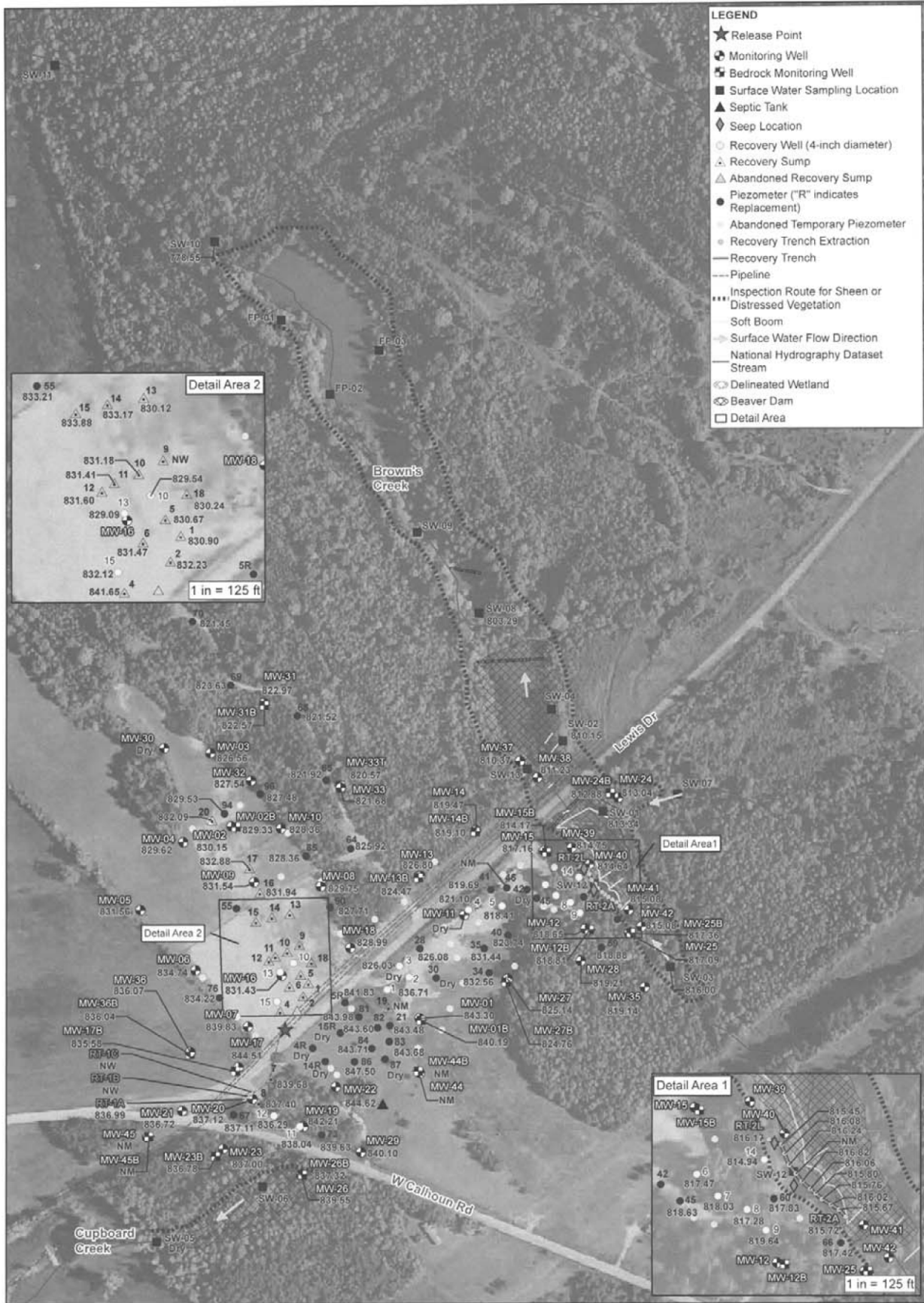
Photographs



Equipment compound entrance with fencing, lights, and gates



Upgraded construction entrance along Lewis Drive and frac tank in background.



811.23 Corrected Groundwater Elevation as of 2/2/2017 in feet above mean sea level
 NM Not measured
 NW No water was measured in the well, only product

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

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

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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)
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
MW-36	CME 550 HSA	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	858.66	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	810.93	813.92	18.11	6.25	2	16.00	794.9	7.11	17.11	5.0	15.0	805.9	795.9	10.00
MW-38	Geoprobe 8040 HSA	MW-10759	8/9/2016	Still in use	Monitoring Well/Gauging	810.49	813.28	11.44	6.25	2	9.10	801.4	6.24	11.24	3.9	8.9	806.6	801.6	5.00
MW-39	Geoprobe 8040 HSA	MW-10759	11/29/2016	Still in use	Monitoring Well/Gauging	816.92	819.90	13.03	6.25	2	11.00	805.9	7.03	12.03	5.0	10.0	811.9	806.9	5.00
MW-40	Geoprobe 8040 HSA	MW-10759	11/30/2016	Still in use	Monitoring Well/Gauging	814.75	817.79	13.15	6.25	2	11.00	803.8	7.15	12.15	5.0	10.0	809.8	804.8	5.00
MW-41	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	816.67	819.68	13.19	6.25	2	11.00	805.7	7.19	12.19	5.0	10.0	811.7	806.7	5.00
MW-42	Geoprobe 8040 HSA	MW-10759	11/28/2016	Still in use	Monitoring Well/Gauging	817.31	820.33	13.37	6.25	2	11.00	806.3	7.37	12.37	5.0	10.0	812.3	807.3	5.00
MW-44	Hollow Stem Auger	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	NS	NS	9.80	6.25	2	10.00	NS	NS	NS	5.0	10.0	NS	NS	5.00
MW-44B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/23/2017	Still in use	Monitoring Well/Gauging	NS	NS	34.95	10.25	4	37.10	NS	NS	NS	16.1	37.1	NS	NS	21.00
MW-45	Hollow Stem Auger	MW-10964	1/26/2017	Still in use	Monitoring Well/Gauging	NS	NS	14.46	6.25	2	14.00	NS	NS	NS	4.0	14.0	NS	NS	10.00
MW-45B	Hollow Stem Auger/Wire Line/Air Rotary	MW-10964	1/25/2017	Still in use	Monitoring Well/Gauging	NS	NS	40.50	10.25	4	40.30	NS	NS	NS	19.0	40.3	NS	NS	21.30
Recovery Wells																			
RW-01	HSA	MW-09978	1/28/2015	Still in use	Gauging/LNAPL Recovery	849.49	851.92	20.80	6.25	4	17	832.5	4.44	19.44	2.0	17.0	847.5	832.5	15
RW-02	HSA	MW-09978	1/29/2015	Still in use	Gauging/LNAPL Recovery	850.22	852.69	25.25	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	853.99	35.04	6.25	4	33	819.2	14.78	34.78	13.0	33.0	839.2	819.2	20
RW-05	HSA	MW-09978	1/30/2015	Still in use	Gauging/LNAPL Recovery	850.99	853.53	38.25	6.25	4	34.5	816.5	22.04	37.04	19.5	34.5	831.5	816.5	15
RW-06	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	844.21	846.21	38.50	6.25	4	38.5	805.7	20.49	40.49	18.5	38.5	825.7	805.7	20
RW-07	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	841.01	843.19	38.00	6.25	4	38	803.0	15.18	40.18	13.0	38.0	828.0	803.0	25
RW-08	HSA	MW-09978	2/2/2015	Still in use	Gauging/LNAPL Recovery	833.46	835.48	33.50	6.25	4	33.5	800.0	10.52	35.52	8.5	33.5	825.0	800.0	25
RW-09	HSA	MW-09978	2/3/2015	Still in use	Gauging/LNAPL Recovery	831.13	835.12	42.13	6.25	4	41.5	789.6	15.49	45.49	11.5	41.5	819.6	789.6	30
RW-10	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	846.76	848.53	66.51	6.25	4	68.5	778.3	5.27	70.27	3.5	68.5	843.3	778.3	65
RW-11	HSA	MW-10006	2/4/2015	Still in use	Gauging/LNAPL Recovery	851.03	852.97	21.40	6.25	4	19.5	831.5	6.44	21.44	4.5	19.5	846.5	831.5	15
RW-12	HSA	MW-10006	2/5/2015	Still in use	Gauging/LNAPL Recovery	851.48	852.75	16.90	6.25	4	14	837.5	6.90	16.90	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	20.00	NA	4	18.44	830.1	3.56	20.00	2.0	18.4	846.5	830.1	16.44
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	16.65	NA	4	14.67	839.4	3.98	16.65	2.0	14.7	852.1	839.4	12.67
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	18.85	NA	4	16.49	830.3	4.37	18.85	2.0	16.5	844.8	830.3	14.49
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	843.4	829.0	14.31

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	Bottom of Screen or Open	Top of Screen or Open	Bottom of Screen or Open	Top of Screen or Open	Bottom of Screen or Open	Length of Screen or Open Interval (ft)
													Interval (ft BTOC)	Interval (ft BTOC)	Interval (ft bgs)	Interval (ft bgs)	Interval (ft amsl)	Interval (ft amsl)	
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
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	23.10	NA	NA	NA	19.80	22.30	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	27.50	NA	NA	NA	24.00	26.50	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	6/20/2016	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

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-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
VSB-01	Hollow Stem Auger/Wire Line/Air Rotary	SCH03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	38.15	10.25	4.00	38.50	NA	NA	NA	18.00	38.50	NA	NA	20.50
VSB-02	Hollow Stem Auger/Wire Line/Air Rotary	SCH03020469M	1/28/2017	Still in use	Brown's Creek Protection	NS	NS	31.05	10.25	4.00	31.00	NA	NA	NA	11.00	31.00	NA	NA	20.00
VSB-03	Hollow Stem Auger/Wire Line/Air Rotary	SCH03020469M	1/27/2017	Still in use	Brown's Creek Protection	NS	NS	36.10	10.25	4.00	36.20	NA	NA	NA	15.00	36.20	NA	NA	21.20

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
SW-SEEP	SW-RELEASE	1/20/2015	µg/L	330	490	2,400	2,100	940	140	5.7 J
	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
SW-01	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
	SW01-122916	12/29/2016	µg/L	12.6	1 U	22.1	11.2	13.5	1 U ¹	NA
	SW01-012017	1/20/2017	µg/L	1.0	1 U	2.3	2 U	3.5	1 U ¹	NA
	SW01-022817	2/28/2017	µg/L	18.5	1.93	37.0	13.8	10.2	5 U ¹	NA
	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
SW-02	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
	SW02-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1.4	1 U ¹	NA
	SW02-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW02-022817	2/28/2017	µg/L	10.7	1 U	11.0	4.14	4.23	5 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	
	SW03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
	SW03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
	SW03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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	
SW04-122916		12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-012017		1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW04-022817		2/28/2017	µg/L	1 U	1 U	1.13	2 U	1 U	5 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	
	SW05-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
	SW05-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW-06	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
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	
SW08-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW08-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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	
SW09-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW09-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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	
SW10-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW10-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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	
SW11-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA	
SW11-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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
	SW12-122916	12/29/2016	µg/L	707	97.3	1,790	408	213	16.8	NA
	SW12-012017	1/20/2017	µg/L	212	19.8	396	104	58	3.8	NA
	SW12-022817	2/28/2017	µg/L	26.1	4.04	62.3	18	9.73	5 U ¹	NA
SW-13	SW13-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	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
	SW13-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	SW13-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
SW13-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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-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
	FP01-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP01-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 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
	FP02-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP02-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U ¹	NA
FP-03	FP03-031616	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
	FP03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U ¹	NA
	FP03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U ¹	NA
	Screening Value: µg/L				2.2 ^a	530 ^a	1,000 ^a	190 ^{b,c}	190 ^b	0.17 ^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 x 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 Remediation, 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	2/2/2017	-	9.77	-	853.07	843.30	-
MW-01B	2/2/2017	-	12.80	-	852.99	840.19	-
MW-02	2/2/2017	10.85	11.00	0.15	841.04	830.04	830.15
MW-02B	2/2/2017	-	11.85	-	841.18	829.33	-
MW-03	2/2/2017	-	11.80	-	838.36	826.56	-
MW-04	2/2/2017	-	14.80	-	844.42	829.62	-
MW-05	2/2/2017	-	19.55	-	851.11	831.56	-
MW-06	2/2/2017	-	18.18	-	852.92	834.74	-
MW-07	2/2/2017	-	13.19	-	853.02	839.83	-
MW-08	2/2/2017	-	14.97	-	844.72	829.75	-
MW-09	2/2/2017	-	12.09	-	843.63	831.54	-
MW-10	2/2/2017	-	17.05	-	845.41	828.36	-
MW-11	2/2/2017	-	DRY	-	855.63	-	-
MW-12	2/2/2017	15.57	16.71	1.14	834.53	817.82	818.65
MW-12B	2/2/2017	-	16.17	-	834.98	818.81	-
MW-13	2/2/2017	-	22.04	-	848.84	826.80	-
MW-13B	2/2/2017	-	25.35	-	849.82	824.47	-
MW-14	2/2/2017	-	19.23	-	838.70	819.47	-
MW-14B	2/2/2017	-	21.10	-	840.20	819.10	-
MW-15	2/2/2017	-	13.87	-	831.03	817.16	-
MW-15B	2/2/2017	-	17.12	-	831.29	814.17	-
MW-16	2/2/2017	15.10	19.30	4.20	847.67	828.37	831.43
MW-17	2/2/2017	-	10.84	-	855.35	844.51	-
MW-17B	2/2/2017	-	19.79	-	855.37	835.58	-
MW-18	2/2/2017	17.29	19.55	2.26	846.89	827.34	828.99

Table 4. Groundwater Elevation and Product Thickness Data
Plantation Pipe Line Company
Lewis Drive Remediation, 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	2/2/2017	-	11.73	-	853.94	842.21	-
MW-20	2/2/2017	15.20	17.30	2.10	852.89	835.59	837.12
MW-21	2/2/2017	-	19.05	-	855.77	836.72	-
MW-22	2/2/2017	-	9.98	-	854.60	844.62	-
MW-23	2/2/2017	-	12.57	-	849.57	837.00	-
MW-23B	2/2/2017	-	12.91	-	849.69	836.78	-
MW-24	2/2/2017	-	4.88	-	817.92	813.04	-
MW-24B	2/2/2017	-	5.84	-	818.72	812.88	-
MW-25	2/2/2017	-	9.09	-	826.18	817.09	-
MW-25B	2/2/2017	-	6.45	-	823.81	817.36	-
MW-26	2/2/2017	-	8.01	-	847.56	839.55	-
MW-26B	2/2/2017	-	10.49	-	847.81	837.32	-
MW-27	2/2/2017	-	28.97	-	854.11	825.14	-
MW-27B	2/2/2017	-	32.38	-	857.14	824.76	-
MW-28	2/2/2017	-	25.10	-	844.31	819.21	-
MW-29	2/2/2017	-	12.10	-	852.20	840.10	-
MW-30	2/2/2017	-	DRY	-	841.28	-	-
MW-31	2/2/2017	-	22.07	-	845.04	822.97	-
MW-31B	2/2/2017	-	22.37	-	844.94	822.57	-
MW-32	2/2/2017	-	15.39	-	842.93	827.54	-
MW-33	2/2/2017	-	27.52	-	849.20	821.68	-
MW-33T	2/2/2017	-	28.54	-	849.11	820.57	-
MW-35	2/2/2017	-	10.26	-	829.40	819.14	-
MW-36	2/2/2017	-	22.40	-	858.47	836.07	-
MW-36B	2/2/2017	-	22.11	-	858.15	836.04	-

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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	2/2/2017	-	3.55	-	813.92	810.37	-
MW-38	2/2/2017	-	2.05	-	813.28	811.23	-
MW-39	2/2/2017	5.15	5.16	0.01	819.90	814.74	814.75
MW-40	2/2/2017	3.15	3.16	0.01	817.79	814.63	814.64
MW-41	2/2/2017	-	4.60	-	819.68	815.08	-
MW-42	2/2/2017	5.25	5.26	0.01	820.33	815.07	815.08
RS-01					850.33		
	2/27/2017	19.05	19.77	0.72		830.56	831.09
	2/23/2017	19.45	19.82	0.37		830.51	830.78
	2/20/2017	19.05	19.64	0.59		830.69	831.12
	2/17/2017	18.92	19.67	0.75		830.66	831.21
	2/9/2017	19.16	19.88	0.72		830.45	830.98
	2/6/2017	19.00	19.95	0.95		830.38	831.08
	2/2/2017	19.42	19.47	0.05		830.86	830.90
RS-02					850.10		
	2/27/2017	17.62	18.17	0.55		831.93	832.33
	2/23/2017	17.53	17.91	0.38		832.19	832.47
	2/20/2017	17.55	17.84	0.29		832.26	832.47
	2/17/2017	17.35	17.89	0.54		832.21	832.61
	2/9/2017	17.77	18.10	0.33		832.00	832.24
	2/6/2017	17.72	18.30	0.58		831.80	832.23
	2/2/2017	17.75	18.20	0.45		831.90	832.23
RS-04					851.44		
	2/27/2017	9.74	9.75	0.01		841.69	841.70
	2/23/2017	9.72	9.73	0.01		841.71	841.72
	2/20/2017	9.72	9.73	0.01		841.71	841.72
	2/17/2017	9.72	9.73	0.01		841.71	841.72
	2/9/2017	9.06	9.07	0.01		842.37	842.38
	2/6/2017	9.78	9.79	0.01		841.65	841.66
	2/2/2017	9.79	9.80	0.01		841.64	841.65
RS-05					848.55		
	2/27/2017	17.50	18.05	0.55		830.50	830.90
	2/23/2017	17.44	18.03	0.59		830.52	830.95
	2/20/2017	17.30	18.07	0.77		830.48	831.04
	2/17/2017	17.27	18.07	0.80		830.48	831.06
	2/9/2017	17.48	18.23	0.75		830.32	830.86
	2/6/2017	17.45	18.17	0.72		830.38	830.90
	2/2/2017	17.68	18.40	0.72		830.15	830.67
RS-06					850.73		
	2/27/2017	18.80	19.42	0.62		831.31	831.76
	2/23/2017	18.83	19.30	0.47		831.43	831.77
	2/20/2017	18.80	19.31	0.51		831.42	831.79
	2/17/2017	18.78	19.32	0.54		831.41	831.80
	2/9/2017	18.97	19.52	0.55		831.21	831.61

Table 4. Groundwater Elevation and Product Thickness Data
 Plantation Pipe Line Company
 Lewis Drive Remediation, 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)
RS-06 (cont'd)	2/6/2017	18.95	19.51	0.56		831.22	831.62
	2/2/2017	19.13	19.59	0.46		831.14	831.47
RS-07					856.04		
	2/27/2017	16.26	16.29	0.03		839.75	839.78
	2/23/2017	16.32	16.35	0.03		839.69	839.72
	2/20/2017	16.32	16.33	0.01		839.71	839.72
	2/17/2017	16.32	16.33	0.01		839.71	839.72
	2/9/2017	16.09	16.10	0.01		839.94	839.95
	2/6/2017	16.36	16.37	0.01		839.67	839.68
	2/2/2017	16.36	16.37	0.01		839.67	839.68
RS-08					854.91		
	2/27/2017	16.95	17.62	0.67		837.29	837.78
	2/23/2017	16.95	17.65	0.70		837.26	837.77
	2/20/2017	16.96	17.74	0.78		837.17	837.74
	2/17/2017	16.94	17.95	1.01		836.96	837.69
	2/9/2017	17.17	18.30	1.13		836.61	837.43
	2/6/2017	17.11	18.45	1.34		836.46	837.43
	2/2/2017	17.14	18.51	1.37		836.40	837.40
RS-09					849.12		
	2/27/2017	18.48	NO WATER	0.37		-	-
	2/23/2017	18.40	NO WATER	0.45		-	-
	2/20/2017	18.41	18.75	0.34		830.37	830.62
	2/17/2017	18.40	NO WATER	0.45		-	-
	2/9/2017	18.38	NO WATER	0.47		-	-
	2/6/2017	18.45	NO WATER	0.40		-	-
	2/2/2017	18.49	NO WATER	0.36		-	-
RS-10					847.52		
	2/27/2017	16.10	16.53	0.43		830.99	831.31
	2/23/2017	15.92	16.50	0.58		831.02	831.45
	2/20/2017	16.05	16.44	0.39		831.08	831.37
	2/17/2017	15.85	16.64	0.79		830.88	831.46
	2/9/2017	15.80	16.25	0.45		831.27	831.60
	2/6/2017	16.11	16.70	0.59		830.82	831.25
	2/2/2017	16.25	16.60	0.35		830.92	831.18
RS-11					848.41		
	2/27/2017	16.50	16.90	0.40		831.51	831.80
	2/23/2017	16.50	16.85	0.35		831.56	831.82
	2/20/2017	16.43	16.94	0.51		831.47	831.84
	2/17/2017	16.46	16.92	0.46		831.49	831.83
	2/9/2017	16.70	17.13	0.43		831.28	831.60
	2/6/2017	16.65	17.10	0.45		831.31	831.64
	2/2/2017	16.73	17.75	1.02		830.66	831.41
RS-12					848.87		
	2/27/2017	16.96	17.36	0.40		831.51	831.80
	2/23/2017	16.98	17.30	0.32		831.57	831.80
	2/20/2017	16.90	17.41	0.51		831.46	831.83
	2/17/2017	16.90	17.36	0.46		831.51	831.85
	2/9/2017	17.15	17.58	0.43		831.29	831.60
	2/6/2017	17.10	17.55	0.45		831.32	831.65
	2/2/2017	17.15	17.60	0.45		831.27	831.60

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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)
RS-13					848.28		
	2/27/2017	18.10	18.23	0.13		830.05	830.15
	2/23/2017	17.91	18.04	0.13		830.24	830.34
	2/20/2017	17.85	18.00	0.15		830.28	830.39
	2/17/2017	17.76	17.87	0.11		830.41	830.49
	2/9/2017	17.86	17.96	0.10		830.32	830.39
	2/6/2017	17.45	17.55	0.10		830.73	830.80
	2/2/2017	18.11	18.31	0.20		829.97	830.12
RS-14					846.92		
	2/27/2017	14.15	14.50	0.35		832.42	832.67
	2/23/2017	13.77	14.08	0.31		832.84	833.07
	2/20/2017	13.45	13.75	0.30		833.17	833.39
	2/17/2017	12.96	13.26	0.30		833.66	833.88
	2/9/2017	10.80	11.03	0.23		835.89	836.06
	2/6/2017	13.94	14.22	0.28		832.70	832.90
	2/2/2017	13.67	13.98	0.31		832.94	833.17
RS-15					848.97		
	2/27/2017	15.20	15.40	0.20		833.57	833.72
	2/23/2017	14.92	15.11	0.19		833.86	834.00
	2/20/2017	14.82	15.02	0.20		833.95	834.10
	2/17/2017	14.69	14.88	0.19		834.09	834.23
	2/9/2017	14.22	14.35	0.13		834.62	834.72
	2/6/2017	15.16	15.36	0.20		833.61	833.76
	2/2/2017	15.03	15.25	0.22		833.72	833.88
RS-16					846.77		
	2/27/2017	14.80	14.90	0.10		831.87	831.94
	2/23/2017	14.53	14.58	0.05		832.19	832.23
	2/20/2017	14.45	14.50	0.05		832.27	832.31
	2/17/2017	14.23	14.27	0.04		832.50	832.53
	2/9/2017	12.75	12.76	0.01		834.01	834.02
	2/6/2017	14.55	14.62	0.07		832.15	832.20
	2/2/2017	14.80	14.90	0.10		831.87	831.94
RS-17					845.15		
	2/27/2017	12.10	12.15	0.05		833.00	833.04
	2/23/2017	11.58	11.60	0.02		833.55	833.57
	2/20/2017	11.18	11.20	0.02		833.95	833.97
	2/17/2017	10.03	10.04	0.01		835.11	835.12
	2/9/2017	7.02	7.03	0.01		838.12	838.13
	2/6/2017	12.38	12.40	0.02		832.75	832.77
	2/2/2017	12.25	12.32	0.07		832.83	832.88
RS-18					848.59		
	2/27/2017	17.95	18.45	0.50		830.14	830.51
	2/23/2017	17.88	18.22	0.34		830.37	830.62
	2/20/2017	18.03	18.30	0.27		830.29	830.49
	2/17/2017	17.79	18.34	0.55		830.25	830.65
	2/9/2017	17.18	17.56	0.38		831.03	831.31
	2/6/2017	17.97	18.30	0.33		830.29	830.53
	2/2/2017	18.28	18.55	0.27		830.04	830.24
RS-19	2/27/2017	-	NM	-	852.37	-	-

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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)
RS-19 (cont'd)	2/23/2017	-	NM	-		-	-
	2/20/2017	-	NM	-		-	-
	2/17/2017	-	NM	-		-	-
	2/9/2017	-	NM	-		-	-
	2/6/2017	-	NM	-		-	-
	2/2/2017	-	NM	-		-	-
RS-20					843.49		
	2/27/2017	-	11.41	-		832.08	-
	2/23/2017	-	11.42	-		832.07	-
	2/20/2017	-	11.40	-		832.09	-
	2/17/2017	-	11.41	-		832.08	-
	2/9/2017	-	11.41	-		832.08	-
	2/6/2017	-	11.40	-		832.09	-
	2/2/2017	-	11.40	-		832.09	-
RT-1A					856.21		
	2/27/2017	18.65	19.12	0.47		837.09	837.43
	2/23/2017	18.65	19.10	0.45		837.11	837.44
	2/20/2017	18.68	19.18	0.50		837.03	837.40
	2/17/2017	18.70	19.28	0.58		836.93	837.35
	2/9/2017	18.85	19.89	1.04		836.32	837.08
	2/6/2017	19.91	NO WATER	0.98		-	-
	2/2/2017	18.75	20.50	1.75		835.71	836.99
RT-1B					857.30		
	2/27/2017	19.61	20.06	0.45		837.24	837.56
	2/23/2017	19.60	20.05	0.45		837.25	837.57
	2/20/2017	19.64	20.12	0.48		837.18	837.53
	2/17/2017	19.64	20.22	0.58		837.08	837.50
	2/9/2017	19.79	NO WATER	1.31		-	-
	2/6/2017	19.74	NO WATER	1.36		-	-
	2/2/2017	19.70	NO WATER	1.40		-	-
RT-1C					857.02		
	2/27/2017	19.79	20.24	0.45		836.78	837.11
	2/23/2017	19.28	20.22	0.94		836.80	837.48
	2/20/2017	19.82	20.31	0.49		836.71	837.06
	2/17/2017	19.87	20.42	0.55		836.60	837.00
	2/9/2017	19.98	NO WATER	1.29		-	-
	2/6/2017	18.78	NO WATER	2.49		-	-
	2/2/2017	19.90	NO WATER	1.37		-	-
RT-2A					818.31		
	2/27/2017	-	2.57	-		815.74	-
	2/23/2017	-	2.42	-		815.89	-
	2/20/2017	-	2.54	-		815.77	-
	2/17/2017	-	2.34	-		815.97	-
	2/9/2017	-	1.94	-		816.37	-
	2/6/2017	-	2.69	-		815.62	-
	2/2/2017	-	2.59	-		815.72	-
RT-2B					818.92		
	2/27/2017	3.12	3.14	0.02		815.78	815.79
	2/23/2017	3.03	3.09	0.06		815.83	815.87
	2/20/2017	3.15	3.20	0.05		815.72	815.75

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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 (cont'd)	2/17/2017	3.02	3.12	0.10		815.80	815.87
	2/9/2017	2.49	2.60	0.11		816.32	816.40
	2/6/2017	3.32	3.33	0.01		815.59	815.60
	2/2/2017	3.25	3.26	0.01		815.66	815.67
RT-2C					819.02		
	2/27/2017	2.88	2.90	0.02		816.12	816.13
	2/23/2017	2.81	2.82	0.01		816.20	816.20
	2/20/2017	2.91	2.92	0.01		816.10	816.10
	2/17/2017	2.82	2.83	0.01		816.19	816.19
	2/9/2017	2.26	2.28	0.02		816.74	816.75
	2/6/2017	3.05	3.06	0.01		815.96	815.96
	2/2/2017	2.99	3.00	0.01		816.02	816.02
RT-2D					819.57		
	2/27/2017	3.71	3.72	0.01		815.85	815.85
	2/23/2017	3.61	3.62	0.01		815.95	815.95
	2/20/2017	3.72	3.73	0.01		815.84	815.84
	2/17/2017	3.62	3.63	0.01		815.94	815.94
	2/9/2017	3.08	3.09	0.01		816.48	816.48
	2/6/2017	3.90	3.91	0.01		815.66	815.66
	2/2/2017	3.80	3.81	0.01		815.76	815.76
RT-2E					819.40		
	2/27/2017	3.47	3.48	0.01		815.92	815.93
	2/23/2017	3.40	3.41	0.01		815.99	816.00
	2/20/2017	3.50	3.51	0.01		815.89	815.90
	2/17/2017	3.40	3.41	0.01		815.99	816.00
	2/9/2017	2.89	2.90	0.01		816.50	816.51
	2/6/2017	3.64	3.65	0.01		815.75	815.76
	2/2/2017	3.60	3.61	0.01		815.79	815.80
RT-2F					819.52		
	2/27/2017	3.23	3.24	0.01		816.28	816.28
	2/23/2017	3.28	3.29	0.01		816.23	816.23
	2/20/2017	3.35	3.36	0.01		816.16	816.16
	2/17/2017	3.28	3.29	0.01		816.23	816.23
	2/9/2017	2.69	2.70	0.01		816.82	816.82
	2/6/2017	3.51	3.52	0.01		816.00	816.00
	2/2/2017	3.45	3.46	0.01		816.06	816.06
RT-2G					820.31		
	2/27/2017	3.32	3.33	0.01		816.98	816.99
	2/23/2017	3.30	3.31	0.01		817.00	817.01
	2/20/2017	3.32	3.33	0.01		816.98	816.99
	2/17/2017	3.30	3.32	0.02		816.99	817.00
	2/9/2017	3.22	3.23	0.01		817.08	817.09
	2/6/2017	3.50	3.51	0.01		816.80	816.81
	2/2/2017	3.49	3.50	0.01		816.81	816.82
RT-2H					822.17		
	2/27/2017	-	NM	-		-	-
	2/23/2017	-	NM	-		-	-
	2/20/2017	-	NM	-		-	-
	2/17/2017	-	NM	-		-	-
2/9/2017	-	NM	-		-	-	

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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-2H (cont'd)	2/6/2017	-	NM	-		-	-
	2/2/2017	-	NM	-		-	-
RT-2I					819.51		
	2/27/2017	3.11	3.12	0.01		816.39	816.40
	2/23/2017	3.09	3.10	0.01		816.41	816.42
	2/20/2017	3.11	3.12	0.01		816.39	816.40
	2/17/2017	3.07	3.08	0.01		816.43	816.44
	2/9/2017	2.89	2.90	0.01		816.61	816.62
	2/6/2017	3.30	3.31	0.01		816.20	816.21
	2/2/2017	3.27	3.29	0.02		816.22	816.24
RT-2J					818.38		
	2/27/2017	1.12	1.15	0.03		817.23	817.26
	2/23/2017	2.09	2.10	0.01		816.28	816.29
	2/20/2017	2.15	2.16	0.01		816.22	816.23
	2/17/2017	2.12	2.13	0.01		816.25	816.26
	2/9/2017	2.00	2.01	0.01		816.37	816.38
	2/6/2017	2.30	2.31	0.01		816.07	816.08
	2/2/2017	2.30	2.31	0.01		816.07	816.08
RT-2K					817.46		
	2/27/2017	1.30	1.31	0.01		816.15	816.16
	2/23/2017	2.03	2.04	0.01		815.42	815.43
	2/20/2017	2.34	2.35	0.01		815.11	815.12
	2/17/2017	1.39	1.40	0.01		816.06	816.07
	2/9/2017	1.13	1.14	0.01		816.32	816.33
	2/6/2017	2.57	2.58	0.01		814.88	814.89
	2/2/2017	2.01	2.02	0.01		815.44	815.45
RT-2L					820.38		
	2/27/2017	3.95	4.06	0.11		816.32	816.40
	2/23/2017	4.01	4.15	0.14		816.23	816.33
	2/20/2017	4.22	4.33	0.11		816.05	816.13
	2/17/2017	3.91	4.06	0.15		816.32	816.43
	2/9/2017	3.95	4.05	0.10		816.33	816.40
	2/6/2017	4.25	4.40	0.15		815.98	816.09
	2/2/2017	4.15	4.35	0.20		816.03	816.17
RW-01					851.92		
	2/27/2017	15.08	15.09	0.01		836.83	836.84
	2/23/2017	14.50	14.51	0.01		837.41	837.42
	2/20/2017	14.30	14.31	0.01		837.61	837.62
	2/17/2017	13.75	13.76	0.01		838.16	838.17
	2/9/2017	12.70	12.71	0.01		839.21	839.22
	2/6/2017	15.40	15.41	0.01		836.51	836.52
	2/2/2017	15.21	15.22	0.01		836.70	836.71
RW-02					852.69		
	2/27/2017	-	DRY	-		-	-
	2/23/2017	-	DRY	-		-	-
	2/20/2017	-	DRY	-		-	-
	2/17/2017	-	DRY	-		-	-
	2/9/2017	-	DRY	-		-	-
	2/6/2017	-	DRY	-		-	-
	2/2/2017	-	DRY	-		-	-

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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-03					852.34		
	2/27/2017	25.81	25.82	0.01		826.52	826.53
	2/23/2017	25.75	25.76	0.01		826.58	826.59
	2/20/2017	25.78	25.79	0.01		826.55	826.56
	2/17/2017	25.81	25.82	0.01		826.52	826.53
	2/9/2017	26.03	26.04	0.01		826.30	826.31
	2/6/2017	26.05	26.06	0.01		826.28	826.29
	2/2/2017	26.31	26.32	0.01		826.02	826.03
RW-04					853.93		
	2/27/2017	31.88	32.96	1.08		820.97	821.76
	2/23/2017	31.90	33.02	1.12		820.91	821.73
	2/20/2017	31.95	33.07	1.12		820.86	821.68
	2/17/2017	32.02	33.14	1.12		820.79	821.61
	2/9/2017	32.25	33.30	1.05		820.63	821.40
	2/6/2017	32.32	33.28	0.96		820.65	821.35
	2/2/2017	32.55	33.59	1.04		820.34	821.10
RW-05					853.53		
	2/27/2017	34.75	35.25	0.50		818.28	818.65
	2/23/2017	34.76	35.18	0.42		818.35	818.66
	2/20/2017	34.80	35.15	0.35		818.38	818.64
	2/17/2017	34.84	35.13	0.29		818.40	818.62
	2/9/2017	34.82	35.85	1.03		817.68	818.44
	2/6/2017	34.81	35.90	1.09		817.63	818.43
	2/2/2017	34.82	35.94	1.12		817.59	818.41
RW-06					846.21		
	2/27/2017	28.50	28.62	0.12		817.59	817.68
	2/23/2017	28.54	28.60	0.06		817.61	817.65
	2/20/2017	28.55	28.60	0.05		817.61	817.64
	2/17/2017	28.56	28.60	0.04		817.61	817.64
	2/9/2017	28.71	28.76	0.05		817.45	817.48
	2/6/2017	28.73	28.77	0.04		817.44	817.47
	2/2/2017	28.72	28.79	0.07		817.42	817.47
RW-07					843.19		
	2/27/2017	24.35	26.60	2.25		816.59	818.23
	2/23/2017	24.34	26.59	2.25		816.60	818.24
	2/20/2017	24.37	26.64	2.27		816.55	818.21
	2/17/2017	24.37	26.65	2.28		816.54	818.21
	2/9/2017	24.45	26.82	2.37		816.37	818.10
	2/6/2017	24.52	26.98	2.46		816.21	818.01
	2/2/2017	24.50	26.95	2.45		816.24	818.03
RW-08					835.48		
	2/27/2017	17.62	19.15	1.53		816.33	817.44
	2/23/2017	17.72	18.85	1.13		816.63	817.45
	2/20/2017	17.59	19.28	1.69		816.20	817.43
	2/17/2017	17.51	19.53	2.02		815.95	817.42
	2/9/2017	17.85	18.89	1.04		816.59	817.35
	2/6/2017	17.83	19.30	1.47		816.18	817.25
	2/2/2017	17.91	18.96	1.05		816.52	817.28
RW-09	2/27/2017	14.80	16.60	1.80	835.12	818.52	819.84

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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-09 (cont'd)	2/23/2017	14.78	16.60	1.82		818.52	819.85
	2/20/2017	14.80	16.60	1.80		818.52	819.84
	2/17/2017	14.80	16.60	1.80		818.52	819.84
	2/9/2017	14.90	16.72	1.82		818.40	819.73
	2/6/2017	14.98	16.88	1.90		818.24	819.63
	2/2/2017	14.96	16.90	1.94		818.22	819.64
RW-10					848.53		
	2/27/2017	17.86	21.80	3.94		826.73	829.61
	2/23/2017	17.82	21.53	3.71		827.00	829.71
	2/20/2017	17.72	21.90	4.18		826.63	829.68
	2/17/2017	17.54	22.32	4.78		826.21	829.70
	2/9/2017	17.85	22.44	4.59		826.09	829.44
	2/6/2017	17.89	22.50	4.61		826.03	829.40
	2/2/2017	17.76	22.33	4.57		826.20	829.54
RW-11					852.97		
	2/27/2017	14.29	15.60	1.31		837.37	838.32
	2/23/2017	14.22	15.75	1.53		837.22	838.33
	2/20/2017	14.30	15.58	1.28		837.39	838.32
	2/17/2017	14.28	15.60	1.32		837.37	838.33
	2/9/2017	14.59	15.93	1.34		837.04	838.02
	2/6/2017	14.60	16.05	1.45		836.92	837.98
	2/2/2017	14.60	15.82	1.22		837.15	838.04
RW-12					852.75		
	2/27/2017	16.03	16.12	0.09		836.63	836.70
	2/23/2017	16.02	16.05	0.03		836.70	836.72
	2/20/2017	16.04	16.08	0.04		836.67	836.70
	2/17/2017	16.05	16.10	0.05		836.65	836.69
	2/9/2017	16.35	16.36	0.01		836.39	836.40
	2/6/2017	16.40	16.42	0.02		836.33	836.34
	2/2/2017	16.44	16.50	0.06		836.25	836.29
RW-13					847.97		
	2/27/2017	18.06	20.30	2.24		827.67	829.30
	2/23/2017	17.90	20.53	2.63		827.44	829.36
	2/20/2017	17.95	20.45	2.50		827.52	829.34
	2/17/2017	17.89	20.60	2.71		827.37	829.35
	2/9/2017	18.00	21.20	3.20		826.77	829.11
	2/6/2017	18.05	21.22	3.17		826.75	829.06
	2/2/2017	18.10	20.99	2.89		826.98	829.09
RW-14					827.54		
	2/27/2017	12.45	12.46	0.01		815.08	815.09
	2/23/2017	12.43	12.47	0.04		815.07	815.10
	2/20/2017	12.45	12.48	0.03		815.06	815.08
	2/17/2017	12.39	12.44	0.05		815.10	815.14
	2/9/2017	12.41	12.45	0.04		815.09	815.12
	2/6/2017	12.56	12.64	0.08		814.90	814.96
	2/2/2017	12.58	12.65	0.07		814.89	814.94
RW-15					851.64		
	2/27/2017	19.08	19.80	0.72		831.84	832.36
	2/23/2017	19.13	19.40	0.27		832.24	832.43
	2/20/2017	19.12	19.63	0.51		832.01	832.38

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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 (cont'd)	2/17/2017	19.11	19.75	0.64		831.89	832.35
	2/9/2017	19.31	19.97	0.66		831.67	832.15
	2/6/2017	19.29	20.00	0.71		831.64	832.16
	2/2/2017	19.35	19.96	0.61		831.68	832.12
SW-01	2/2/2017	-	(0.52)	-	812.82	813.34	-
SW-02	2/2/2017	-	(1.50)	-	808.65	810.15	-
SW-03	2/2/2017	-	(0.91)	-	815.09	816.00	-
SW-05	2/2/2017	-	NM	-	838.75	-	-
SW-08	2/2/2017	-	(1.25)	-	802.04	803.29	-
SW-10	2/2/2017	-	(0.46)	-	778.09	778.55	-
TW-04R	2/2/2017	-	DRY	-	852.64	-	-
TW-05R	2/2/2017	-	8.10	-	849.93	841.83	-
TW-14R	2/2/2017	-	DRY	-	853.37	-	-
TW-15R	2/2/2017	-	DRY	-	850.62	-	-
TW-21	2/2/2017	-	6.22	-	849.70	843.48	-
TW-28	2/2/2017	25.21	25.70	0.49	851.42	825.72	826.08
TW-30	2/2/2017	-	DRY	-	851.81	-	-
TW-34	2/2/2017	-	22.23	-	854.79	832.56	-
TW-35	2/2/2017	-	22.66	-	854.10	831.44	-
TW-40	2/2/2017	-	29.61	-	853.35	823.74	-
TW-41	2/2/2017	-	29.69	-	849.38	819.69	-
TW-42	2/2/2017	-	DRY	-	846.84	-	-
TW-45	2/2/2017	29.20	30.99	1.79	848.31	817.32	818.63
TW-46	2/2/2017	-	NM	-	846.88	-	-
TW-55	2/2/2017	-	12.72	-	845.93	833.21	-
TW-59	2/2/2017	-	15.90	-	834.78	818.88	-
TW-60	2/2/2017	10.20	10.21	0.01	828.03	817.82	817.83

Table 4. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation, 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)
TW-64	2/2/2017	-	19.96	-	845.88	825.92	-
TW-65	2/2/2017	-	23.70	-	845.62	821.92	-
TW-66	2/2/2017	-	2.89	-	820.31	817.42	-
TW-67	2/2/2017	-	15.60	-	852.71	837.11	-
TW-68	2/2/2017	-	24.93	-	846.45	821.52	-
TW-69	2/2/2017	-	16.64	-	840.27	823.63	-
TW-70	2/2/2017	-	20.50	-	841.95	821.45	-
TW-73	2/2/2017	-	10.90	-	850.53	839.63	-
TW-76	2/2/2017	-	18.22	-	852.44	834.22	-
TW-81	2/2/2017	-	5.45	-	849.43	843.98	-
TW-82	2/2/2017	-	6.04	-	849.64	843.60	-
TW-83	2/2/2017	-	6.76	-	850.44	843.68	-
TW-84	2/2/2017	7.44	7.70	0.26	851.22	843.52	843.71
TW-85	2/2/2017	-	15.13	-	843.49	828.36	-
TW-86	2/2/2017	-	5.60	-	853.10	847.50	-
TW-87	2/2/2017	-	DRY	-	852.25	-	-
TW-90	2/2/2017	-	17.72	-	845.43	827.71	-
TW-94	2/2/2017	10.95	11.35	0.40	840.58	829.23	829.53
TW-96	2/2/2017	-	12.92	-	840.40	827.48	-

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

Table 5. Product Evacuation Times and Product Thicknesses*Lewis Drive Remediation, Belton, South Carolina**Site ID #18693 "Kinder Morgan Belton Pipeline Release"*

Well ID	Date	Start Time	Finish Time	Time	Product Thickness
				Spent (mins)	before Vacuuming (ft)
RS-01	2/27/2017	12:47	12:52	5	0.72
RS-01	2/21/2017	9:17	9:28	11	0.59
RS-01	2/17/2017	12:44	12:51	7	0.75
RS-01	2/13/2017	9:05	9:16	11	0.72
RS-01	2/9/2017	13:45	14:15	30	0.72
RS-01	2/6/2017	10:02	10:15	13	0.95
RS-01	2/2/2017	13:35	13:50	15	0.05
RS-02	2/27/2017	12:53	13:02	9	0.55
RS-02	2/17/2017	13:07	13:14	7	0.54
RS-02	2/6/2017	9:52	10:00	8	0.58
RS-05	2/27/2017	12:35	12:45	10	0.55
RS-05	2/24/2017	9:33	9:42	9	0.59
RS-05	2/21/2017	9:03	9:15	12	0.77
RS-05	2/17/2017	12:25	12:34	9	0.80
RS-05	2/13/2017	8:51	9:01	10	0.75
RS-05	2/9/2017	13:20	13:32	12	0.75
RS-05	2/6/2017	10:20	10:31	11	0.72
RS-05	2/2/2017	13:15	13:30	15	0.72
RS-06	2/27/2017	13:05	13:15	10	0.62
RS-06	2/21/2017	9:30	9:37	7	0.51
RS-06	2/17/2017	12:55	13:05	10	0.54
RS-06	2/13/2017	8:38	8:47	9	0.55
RS-06	2/9/2017	13:35	13:41	6	0.55
RS-06	2/6/2017	9:41	9:50	9	0.56
RS-08	2/27/2017	13:51	14:00	9	0.67
RS-08	2/24/2017	11:30	11:41	11	0.70
RS-08	2/21/2017	13:49	14:00	11	0.78
RS-08	2/17/2017	11:12	11:20	8	1.01
RS-08	2/9/2017	11:25	12:00	35	1.13
RS-08	2/6/2017	11:32	11:41	9	1.34
RS-08	2/2/2017	9:40	9:55	15	1.37
RS-09	2/13/2017	10:12	10:30	18	0.47
RS-10	2/24/2017	9:21	9:31	10	0.58
RS-10	2/6/2017	11:07	11:18	11	0.59
RS-11	2/21/2017	8:15	8:29	14	0.51
RS-11	2/6/2017	10:55	11:05	10	0.45
RS-12	2/21/2017	8:31	8:35	4	0.51
RS-18	2/27/2017	13:30	13:38	8	0.50
RS-18	2/17/2017	12:36	12:42	6	0.55
RT-1A	2/27/2017	14:02	14:09	7	0.47
RT-1A	2/24/2017	11:01	11:09	8	0.45
RT-1A	2/21/2017	14:10	14:17	7	0.50
RT-1A	2/17/2017	11:23	11:30	7	0.58
RT-1A	2/13/2017	9:40	9:50	10	1.04
RT-1A	2/9/2017	12:02	12:20	18	1.04
RT-1A	2/6/2017	11:42	11:46	4	0.98
RT-1A	2/2/2017	9:01	9:10	9	1.75
RT-1B	2/27/2017	14:09	14:15	6	0.45
RT-1B	2/24/2017	11:09	11:17	8	0.45
RT-1B	2/21/2017	14:17	14:24	7	0.48
RT-1B	2/17/2017	11:30	11:37	7	0.58
RT-1B	2/13/2017	9:50	10:00	10	1.31

Table 5. Product Evacuation Times and Product Thicknesses

Lewis Drive Remediation, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Well ID	Date	Start Time	Finish Time	Time	Product Thickness
				Spent (mins)	before Vacuuming (ft)
RT-1B	2/9/2017	12:20	12:38	18	1.31
RT-1B	2/6/2017	11:46	11:50	4	1.36
RT-1B	2/2/2017	9:11	9:21	10	1.40
RT-1C	2/27/2017	14:15	14:22	7	0.45
RT-1C	2/24/2017	11:17	11:25	8	0.94
RT-1C	2/21/2017	14:24	14:30	6	0.49
RT-1C	2/17/2017	11:37	11:45	8	0.55
RT-1C	2/13/2017	10:00	10:10	10	1.29
RT-1C	2/9/2017	12:38	12:55	17	1.29
RT-1C	2/6/2017	11:50	11:55	5	2.49
RT-1C	2/2/2017	9:22	9:33	11	1.37
RT-2A	2/2/2017	10:15	10:20	5	0.00
RT-2B	2/27/2017	9:02	9:10	8	0.02
RT-2B	2/17/2017	10:09	10:19	10	0.10
RT-2B	2/13/2017	11:55	12:01	6	0.11
RT-2B	2/9/2017	9:50	10:00	10	0.11
RT-2B	2/6/2017	12:30	12:34	4	0.01
RT-2B	2/2/2017	10:21	10:24	3	0.01
RT-2C	2/27/2017	9:11	9:18	7	0.02
RT-2C	2/17/2017	10:02	10:08	6	0.01
RT-2C	2/13/2017	11:48	11:54	6	0.02
RT-2C	2/9/2017	10:01	10:09	8	0.02
RT-2C	2/6/2017	12:35	12:39	4	0.01
RT-2C	2/2/2017	10:26	10:30	4	0.01
RT-2D	2/27/2017	9:20	9:29	9	0.01
RT-2D	2/17/2017	9:54	10:01	7	0.01
RT-2D	2/13/2017	11:41	11:47	6	0.01
RT-2D	2/9/2017	10:10	10:19	9	0.01
RT-2D	2/6/2017	12:41	12:44	3	0.01
RT-2D	2/2/2017	10:32	10:36	4	0.01
RT-2E	2/27/2017	9:30	9:38	8	0.01
RT-2E	2/17/2017	9:47	9:53	6	0.01
RT-2E	2/13/2017	11:33	11:40	7	0.01
RT-2E	2/9/2017	10:20	10:27	7	0.01
RT-2E	2/6/2017	12:20	12:25	5	0.01
RT-2E	2/2/2017	10:39	10:44	5	0.01
RT-2F	2/27/2017	9:40	9:47	7	0.01
RT-2F	2/17/2017	9:41	9:46	5	0.01
RT-2F	2/13/2017	11:27	11:32	5	0.01
RT-2F	2/9/2017	10:30	10:36	6	0.01
RT-2F	2/6/2017	12:26	12:30	4	0.01
RT-2F	2/2/2017	10:47	10:52	5	0.01
RT-2G	2/27/2017	9:50	9:56	6	0.01
RT-2G	2/17/2017	9:34	9:40	6	0.02
RT-2G	2/13/2017	11:16	11:25	9	0.01
RT-2G	2/9/2017	10:37	10:42	5	0.01
RT-2G	2/6/2017	12:46	12:50	4	0.01
RT-2G	2/2/2017	10:55	11:00	5	0.01
RT-2I	2/27/2017	9:58	10:06	8	0.01
RT-2I	2/17/2017	9:26	9:32	6	0.01
RT-2I	2/13/2017	12:03	12:10	7	0.01
RT-2I	2/9/2017	10:43	10:47	4	0.01

Table 5. Product Evacuation Times and Product Thicknesses

Lewis Drive Remediation, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Well ID	Date	Time		Time Spent (mins)	Product Thickness before Vacuuming (ft)
		Start Time	Finish Time		
RT-2I	2/6/2017	13:11	13:14	3	0.01
RT-2I	2/2/2017	11:03	11:07	4	0.02
RT-2J	2/27/2017	10:08	10:15	7	0.03
RT-2J	2/17/2017	9:18	9:25	7	0.01
RT-2J	2/13/2017	12:11	12:17	6	0.01
RT-2J	2/9/2017	10:49	10:52	3	0.01
RT-2J	2/6/2017	13:05	13:09	4	0.01
RT-2J	2/2/2017	11:09	11:13	4	0.01
RT-2K	2/27/2017	10:17	10:26	9	0.01
RT-2K	2/17/2017	9:10	9:17	7	0.01
RT-2K	2/13/2017	12:19	12:24	5	0.01
RT-2K	2/9/2017	10:53	10:58	5	0.01
RT-2K	2/6/2017	12:58	13:03	5	0.01
RT-2K	2/2/2017	11:15	11:19	4	0.01
RT-2L	2/27/2017	10:27	10:34	7	0.11
RT-2L	2/17/2017	9:02	9:08	6	0.15
RT-2L	2/13/2017	12:30	12:35	5	0.10
RT-2L	2/6/2017	12:52	12:56	4	0.15
RT-2L	2/2/2017	11:23	11:27	4	0.20
RW-04	2/27/2017	11:26	11:32	6	1.08
RW-04	2/24/2017	13:21	13:34	13	1.12
RW-04	2/21/2017	13:32	13:39	7	1.12
RW-04	2/17/2017	10:49	10:54	5	1.12
RW-04	2/13/2017	12:59	13:09	10	1.05
RW-04	2/9/2017	11:12	11:20	8	1.05
RW-04	2/2/2017	12:28	12:35	7	1.04
RW-05	2/27/2017	11:15	11:22	7	0.50
RW-05	2/13/2017	12:47	12:55	8	1.03
RW-05	2/9/2017	11:00	11:08	8	1.03
RW-05	2/2/2017	12:20	12:24	4	1.12
RW-07	2/27/2017	10:59	11:07	8	2.25
RW-07	2/24/2017	13:09	13:19	10	2.25
RW-07	2/21/2017	12:37	12:43	6	2.27
RW-07	2/17/2017	10:22	10:27	5	2.28
RW-07	2/13/2017	10:45	10:52	7	2.37
RW-07	2/9/2017	9:05	9:14	9	2.37
RW-07	2/6/2017	13:43	13:52	9	2.46
RW-07	2/2/2017	11:30	11:41	11	2.45
RW-08	2/27/2017	10:49	10:56	7	1.53
RW-08	2/24/2017	12:45	12:59	14	1.13
RW-08	2/21/2017	12:45	12:51	6	1.69
RW-08	2/17/2017	10:38	10:43	5	2.02
RW-08	2/13/2017	10:59	11:06	7	1.04
RW-08	2/9/2017	9:16	9:24	8	1.04
RW-08	2/6/2017	13:30	13:41	11	1.47
RW-08	2/2/2017	11:43	11:57	14	1.05
RW-09	2/27/2017	10:40	10:47	7	1.80
RW-09	2/24/2017	12:04	12:09	5	1.82
RW-09	2/21/2017	13:01	13:11	10	1.80
RW-09	2/17/2017	10:30	10:36	6	1.80
RW-09	2/13/2017	11:08	11:14	6	1.82
RW-09	2/9/2017	9:25	9:34	9	1.82

Table 5. Product Evacuation Times and Product Thicknesses*Lewis Drive Remediation, Belton, South Carolina**Site ID #18693 "Kinder Morgan Belton Pipeline Release"*

Well ID	Date	Start Time	Finish Time	Time	Product Thickness
				Spent (mins)	before Vacuuming (ft)
RW-09	2/6/2017	13:17	13:27	10	1.90
RW-09	2/2/2017	12:04	12:15	11	1.94
RW-10	2/27/2017	11:54	12:00	6	3.94
RW-10	2/24/2017	9:11	9:18	7	3.71
RW-10	2/21/2017	8:48	8:59	11	4.18
RW-10	2/17/2017	12:08	12:13	5	4.78
RW-10	2/13/2017	8:15	8:25	10	4.59
RW-10	2/9/2017	13:00	13:07	7	4.59
RW-10	2/6/2017	10:33	10:43	10	4.61
RW-10	2/2/2017	12:50	13:10	20	4.57
RW-11	2/27/2017	13:42	13:49	7	1.31
RW-11	2/17/2017	11:00	11:10	10	1.32
RW-11	2/6/2017	11:25	11:31	6	1.45
RW-13	2/27/2017	11:48	11:53	5	2.24
RW-13	2/24/2017	9:01	9:09	8	2.63
RW-13	2/21/2017	8:37	8:45	8	2.50
RW-13	2/17/2017	12:15	12:22	7	2.71
RW-13	2/13/2017	8:27	8:32	5	3.20
RW-13	2/9/2017	13:09	13:18	9	3.20
RW-13	2/6/2017	10:45	10:52	7	3.17
RW-13	2/2/2017	13:55	14:10	15	2.89
RW-14	2/21/2017	13:21	13:29	8	0.03
RW-14	2/17/2017	10:40	10:46	6	0.05
RW-15	2/27/2017	13:20	13:27	7	0.72
RW-15	2/21/2017	9:40	9:55	15	0.51
RW-15	2/17/2017	13:17	13:25	8	0.64
RW-15	2/13/2017	9:21	9:26	5	0.66
RW-15	2/9/2017	14:17	14:28	11	0.66
RW-15	2/6/2017	9:30	9:40	10	0.71
RW-15	2/2/2017	14:11	14:20	9	0.61

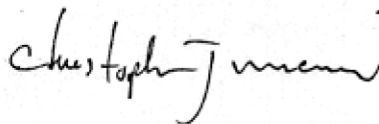
March 09, 2017

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group: L893060
Samples Received: 03/01/2017
Project Number: 684910.LD.MR.SW
Description: Lewis Drive Site Surface water event

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

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

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

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SW-01-022817 L893060-09 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 14:09	03/05/17 14:09	GLN
SW-12-022817 L893060-10 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 14:23	03/05/17 14:23	GLN
SW-03-022817 L893060-11 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 14:36	03/05/17 14:36	GLN
SW-09-022817 L893060-12 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 14:50	03/05/17 14:50	GLN
FP-03-022817 L893060-13 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 15:03	03/05/17 15:03	GLN
FP-02-022817 L893060-14 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 15:16	03/05/17 15:16	GLN
FP-01-022817 L893060-15 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956973	1	03/05/17 15:30	03/05/17 15:30	GLN
SW-11-022817 L893060-24 GW					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 02:41	03/04/17 02:41	GLN

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

SW-10-022817 L893060-25 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by JM/Tim				Collected date/time 02/28/17 13:45	Received date/time 03/01/17 09:00
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 03:02	03/04/17 03:02	GLN

SW-02-022817 L893060-26 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by JM/Tim				Collected date/time 02/28/17 14:17	Received date/time 03/01/17 09:00
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 03:23	03/04/17 03:23	GLN

SW-13-022817 L893060-28 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by JM/Tim				Collected date/time 02/28/17 15:30	Received date/time 03/01/17 09:00
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 04:04	03/04/17 04:04	GLN

SW-08-022817 L893060-29 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by JM/Tim				Collected date/time 02/28/17 15:40	Received date/time 03/01/17 09:00
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 04:25	03/04/17 04:25	GLN

SW-04-022817 L893060-30 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Collected by JM/Tim				Collected date/time 02/28/17 16:09	Received date/time 03/01/17 09:00
Volatile Organic Compounds (GC/MS) by Method 8260B	WG956975	1	03/04/17 04:46	03/04/17 04:46	GLN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Chris McCord
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ GI

⁸ AI

⁹ Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0185		0.00100	1	03/05/2017 14:09	WG956973
Toluene	0.0370		0.00100	1	03/05/2017 14:09	WG956973
Ethylbenzene	0.00193		0.00100	1	03/05/2017 14:09	WG956973
o-Xylene	0.0102		0.00100	1	03/05/2017 14:09	WG956973
m&p-Xylene	0.0138		0.00200	1	03/05/2017 14:09	WG956973
Xylenes, Total	0.0240		0.00300	1	03/05/2017 14:09	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 14:09	WG956973
<i>(S)</i> Toluene- <i>d</i> 8	102		80.0-120		03/05/2017 14:09	WG956973
<i>(S)</i> Dibromofluoromethane	87.7		76.0-123		03/05/2017 14:09	WG956973
<i>(S)</i> <i>o,o</i> -Trifluorotoluene	103		80.0-120		03/05/2017 14:09	WG956973
<i>(S)</i> 4-Bromofluorobenzene	104		80.0-120		03/05/2017 14:09	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



Collected date/time: 02/28/17 14:40

L893060

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0261		0.00100	1	03/05/2017 14:23	WG956973
Toluene	0.0623		0.00100	1	03/05/2017 14:23	WG956973
Ethylbenzene	0.00404		0.00100	1	03/05/2017 14:23	WG956973
o-Xylene	0.00973		0.00100	1	03/05/2017 14:23	WG956973
m&p-Xylene	0.0180		0.00200	1	03/05/2017 14:23	WG956973
Xylenes, Total	0.0277		0.00300	1	03/05/2017 14:23	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 14:23	WG956973
(S) Toluene-d8	101		80.0-120		03/05/2017 14:23	WG956973
(S) Dibromofluoromethane	87.1		76.0-123		03/05/2017 14:23	WG956973
(S) a,a,a-Trifluorotoluene	102		80.0-120		03/05/2017 14:23	WG956973
(S) 4-Bromofluorobenzene	103		80.0-120		03/05/2017 14:23	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/28/17 14:55

L893060

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/05/2017 14:36	WG956973
Toluene	ND		0.00100	1	03/05/2017 14:36	WG956973
Ethylbenzene	ND		0.00100	1	03/05/2017 14:36	WG956973
o-Xylene	ND		0.00100	1	03/05/2017 14:36	WG956973
m&p-Xylene	ND		0.00200	1	03/05/2017 14:36	WG956973
Xylenes, Total	ND		0.00300	1	03/05/2017 14:36	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 14:36	WG956973
<i>(S)</i> Toluene- <i>d</i> 8	101		80.0-120		03/05/2017 14:36	WG956973
<i>(S)</i> Dibromofluoromethane	87.4		76.0-123		03/05/2017 14:36	WG956973
<i>(S)</i> <i>o,o</i> -Trifluorotoluene	102		80.0-120		03/05/2017 14:36	WG956973
<i>(S)</i> 4-Bromofluorobenzene	102		80.0-120		03/05/2017 14:36	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/28/17 16:20

L893060

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/05/2017 14:50	WG956973
Toluene	ND		0.00100	1	03/05/2017 14:50	WG956973
Ethylbenzene	ND		0.00100	1	03/05/2017 14:50	WG956973
o-Xylene	ND		0.00100	1	03/05/2017 14:50	WG956973
m&p-Xylene	ND		0.00200	1	03/05/2017 14:50	WG956973
Xylenes, Total	ND		0.00300	1	03/05/2017 14:50	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 14:50	WG956973
(S) Toluene-d8	101		80.0-120		03/05/2017 14:50	WG956973
(S) Dibromofluoromethane	87.6		76.0-123		03/05/2017 14:50	WG956973
(S) a,a,a-Trifluorotoluene	102		80.0-120		03/05/2017 14:50	WG956973
(S) 4-Bromofluorobenzene	103		80.0-120		03/05/2017 14:50	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/05/2017 15:03	WG956973
Toluene	ND		0.00100	1	03/05/2017 15:03	WG956973
Ethylbenzene	ND		0.00100	1	03/05/2017 15:03	WG956973
o-Xylene	ND		0.00100	1	03/05/2017 15:03	WG956973
m&p-Xylene	ND		0.00200	1	03/05/2017 15:03	WG956973
Xylenes, Total	ND		0.00300	1	03/05/2017 15:03	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 15:03	WG956973
(S) Toluene-d8	101		80.0-120		03/05/2017 15:03	WG956973
(S) Dibromofluoromethane	87.4		76.0-123		03/05/2017 15:03	WG956973
(S) o,o,a-Trifluorotoluene	101		80.0-120		03/05/2017 15:03	WG956973
(S) 4-Bromofluorobenzene	103		80.0-120		03/05/2017 15:03	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/05/2017 15:16	WG956973
Toluene	ND		0.00100	1	03/05/2017 15:16	WG956973
Ethylbenzene	ND		0.00100	1	03/05/2017 15:16	WG956973
<i>o</i> -Xylene	ND		0.00100	1	03/05/2017 15:16	WG956973
<i>m</i> & <i>p</i> -Xylene	ND		0.00200	1	03/05/2017 15:16	WG956973
Xylenes, Total	ND		0.00300	1	03/05/2017 15:16	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 15:16	WG956973
<i>(S)</i> Toluene- <i>dB</i>	102		80.0-120		03/05/2017 15:16	WG956973
<i>(S)</i> Dibromofluoromethane	86.8		76.0-123		03/05/2017 15:16	WG956973
<i>(S)</i> <i>a,a,a</i> -Trifluorotoluene	103		80.0-120		03/05/2017 15:16	WG956973
<i>(S)</i> 4-Bromofluorobenzene	103		80.0-120		03/05/2017 15:16	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/05/2017 15:30	WG956973
Toluene	ND		0.00100	1	03/05/2017 15:30	WG956973
Ethylbenzene	ND		0.00100	1	03/05/2017 15:30	WG956973
o-Xylene	ND		0.00100	1	03/05/2017 15:30	WG956973
m&p-Xylene	ND		0.00200	1	03/05/2017 15:30	WG956973
Xylenes, Total	ND		0.00300	1	03/05/2017 15:30	WG956973
Naphthalene	ND		0.00500	1	03/05/2017 15:30	WG956973
(S) Toluene-d8	101		80.0-120		03/05/2017 15:30	WG956973
(S) Dibromofluoromethane	86.6		76.0-123		03/05/2017 15:30	WG956973
(S) a,a,a-Trifluorotoluene	101		80.0-120		03/05/2017 15:30	WG956973
(S) 4-Bromofluorobenzene	101		80.0-120		03/05/2017 15:30	WG956973

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/04/2017 02:41	WG956975
Toluene	ND		0.00100	1	03/04/2017 02:41	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 02:41	WG956975
o-Xylene	ND		0.00100	1	03/04/2017 02:41	WG956975
m&p-Xylene	ND		0.00200	1	03/04/2017 02:41	WG956975
Xylenes, Total	ND		0.00300	1	03/04/2017 02:41	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 02:41	WG956975
(S) Toluene-d8	102		80.0-120		03/04/2017 02:41	WG956975
(S) Dibromofluoromethane	99.4		76.0-123		03/04/2017 02:41	WG956975
(S) a,a,a-Trifluorotoluene	98.3		80.0-120		03/04/2017 02:41	WG956975
(S) 4-Bromofluorobenzene	88.4		80.0-120		03/04/2017 02:41	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 02/28/17 13:45

L893060

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/04/2017 03:02	WG956975
Toluene	ND		0.00100	1	03/04/2017 03:02	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 03:02	WG956975
o-Xylene	ND		0.00100	1	03/04/2017 03:02	WG956975
m&p-Xylene	ND		0.00200	1	03/04/2017 03:02	WG956975
Xylenes, Total	ND		0.00300	1	03/04/2017 03:02	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 03:02	WG956975
(S) Toluene-d8	103		80.0-120		03/04/2017 03:02	WG956975
(S) Dibromofluoromethane	100		76.0-123		03/04/2017 03:02	WG956975
(S) a,a,a-Trifluorotoluene	98.5		80.0-120		03/04/2017 03:02	WG956975
(S) 4-Bromofluorobenzene	84.9		80.0-120		03/04/2017 03:02	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0107		0.00100	1	03/04/2017 03:23	WG956975
Toluene	0.0110		0.00100	1	03/04/2017 03:23	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 03:23	WG956975
<i>o</i> -Xylene	0.00423		0.00100	1	03/04/2017 03:23	WG956975
<i>m</i> & <i>p</i> -Xylene	0.00414		0.00200	1	03/04/2017 03:23	WG956975
Xylenes, Total	0.00837		0.00300	1	03/04/2017 03:23	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 03:23	WG956975
<i>(S)</i> Toluene- <i>d</i> 8	103		80.0-120		03/04/2017 03:23	WG956975
<i>(S)</i> Dibromofluoromethane	97.3		76.0-123		03/04/2017 03:23	WG956975
<i>(S)</i> <i>a,a,a</i> -Trifluorotoluene	97.8		80.0-120		03/04/2017 03:23	WG956975
<i>(S)</i> 4-Bromofluorobenzene	88.5		80.0-120		03/04/2017 03:23	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



Collected date/time: 02/28/17 15:30

L893060

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/04/2017 04:04	WG956975
Toluene	ND		0.00100	1	03/04/2017 04:04	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 04:04	WG956975
o-Xylene	ND		0.00100	1	03/04/2017 04:04	WG956975
m&p-Xylene	ND		0.00200	1	03/04/2017 04:04	WG956975
Xylenes, Total	ND		0.00300	1	03/04/2017 04:04	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 04:04	WG956975
(S) Toluene-d8	101		80.0-120		03/04/2017 04:04	WG956975
(S) Dibromofluoromethane	99.5		76.0-123		03/04/2017 04:04	WG956975
(S) o,o,a-Trifluorotoluene	96.4		80.0-120		03/04/2017 04:04	WG956975
(S) 4-Bromofluorobenzene	86.3		80.0-120		03/04/2017 04:04	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/04/2017 04:25	WG956975
Toluene	ND		0.00100	1	03/04/2017 04:25	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 04:25	WG956975
o-Xylene	ND		0.00100	1	03/04/2017 04:25	WG956975
m&p-Xylene	ND		0.00200	1	03/04/2017 04:25	WG956975
Xylenes, Total	ND		0.00300	1	03/04/2017 04:25	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 04:25	WG956975
(S) Toluene-d8	102		80.0-120		03/04/2017 04:25	WG956975
(S) Dibromofluoromethane	103		76.0-123		03/04/2017 04:25	WG956975
(S) a,a,a-Trifluorotoluene	97.1		80.0-120		03/04/2017 04:25	WG956975
(S) 4-Bromofluorobenzene	84.0		80.0-120		03/04/2017 04:25	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/04/2017 04:46	WG956975
Toluene	0.00113		0.00100	1	03/04/2017 04:46	WG956975
Ethylbenzene	ND		0.00100	1	03/04/2017 04:46	WG956975
o-Xylene	ND		0.00100	1	03/04/2017 04:46	WG956975
m&p-Xylene	ND		0.00200	1	03/04/2017 04:46	WG956975
Xylenes, Total	ND		0.00300	1	03/04/2017 04:46	WG956975
Naphthalene	ND		0.00500	1	03/04/2017 04:46	WG956975
(S) Toluene-d8	101		80.0-120		03/04/2017 04:46	WG956975
(S) Dibromofluoromethane	103		76.0-123		03/04/2017 04:46	WG956975
(S) o,a,o-Trifluorotoluene	95.8		80.0-120		03/04/2017 04:46	WG956975
(S) 4-Bromofluorobenzene	85.6		80.0-120		03/04/2017 04:46	WG956975

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3201274-3 03/05/17 11:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U	0.000331	0.00100	0.00100
Ethylbenzene	U	0.000384	0.00100	0.00100
Naphthalene	U	0.00100	0.00500	0.00500
Toluene	U	0.000412	0.00100	0.00100
Xylenes, Total	U	0.00106	0.00300	0.00300
o-Xylene	U	0.000341	0.00100	0.00100
m&p-Xylenes	U	0.000719	0.00200	0.00200
(S) Toluene-d8	102		80.0-120	
(S) Dibromofluoromethane	87.1		76.0-123	
(S) o,o,-Trifluorotoluene	103		80.0-120	
(S) 4-Bromofluorobenzene	104		80.0-120	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCS-D)

(LCS) R3201274-1 03/05/17 11:03 • (LCS-D) R3201274-2 03/05/17 11:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS-D Result mg/l	LCS Rec. %	LCS-D Rec. %	Rec. Limits %	LCS Qualifier	LCS-D Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.0233	0.0243	93.3	97.2	70.0-130	4.08	4.08	20	20
Ethylbenzene	0.0250	0.0259	0.0263	104	105	70.0-130	1.62	1.62	20	20
Naphthalene	0.0250	0.0273	0.0284	109	114	70.0-130	4.10	4.10	20	20
Toluene	0.0250	0.0254	0.0261	102	104	70.0-130	2.73	2.73	20	20
Xylenes, Total	0.0750	0.0794	0.0815	106	109	70.0-130	2.61	2.61	20	20
(S) Toluene-d8				101	101	80.0-120				
(S) Dibromofluoromethane				88.1	89.1	76.0-123				
(S) o,o,-Trifluorotoluene				102	101	80.0-120				
(S) 4-Bromofluorobenzene				99.5	98.6	80.0-120				



Method Blank (MB)

(MB) R3201279-3 03/03/17 22:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U	0.000331	0.00100	0.00100
Ethylbenzene	U	0.000384	0.00100	0.00100
Naphthalene	U	0.00100	0.00500	0.00500
Toluene	U	0.000412	0.00100	0.00100
Xylenes, Total	U	0.00106	0.00300	0.00300
o-Xylene	U	0.000341	0.00100	0.00100
m&p-Xylenes	U	0.000719	0.00200	0.00200
(S) Toluene-d8	102		80.0-120	
(S) Dibromofluoromethane	99.4		76.0-123	
(S) o,o,-Trifluorotoluene	97.9		80.0-120	
(S) 4-Bromofluorobenzene	85.6		80.0-120	

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

(LCS) R3201279-1 03/03/17 20:07 - (LCSD) R3201279-2 03/03/17 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD Limits %
Benzene	0.0250	0.0213	0.0211	85.3	84.3	70.0-130	1.18	1.18	20
Ethylbenzene	0.0250	0.0208	0.0205	83.3	81.9	70.0-130	1.73	1.73	20
Naphthalene	0.0250	0.0193	0.0195	77.2	78.0	70.0-130	1.01	1.01	20
Toluene	0.0250	0.0213	0.0213	85.1	85.0	70.0-130	0.0800	0.0800	20
Xylenes, Total	0.0750	0.0617	0.0595	82.3	79.3	70.0-130	3.63	3.63	20
(S) Toluene-d8				97.7	97.7	80.0-120			
(S) Dibromofluoromethane				93.8	92.7	76.0-123			
(S) o,o,-Trifluorotoluene				98.4	97.6	80.0-120			
(S) 4-Bromofluorobenzene				86.6	88.1	80.0-120			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ GI

⁸ AI

⁹ Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ GI

⁸ AI

⁹ Sc

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	5-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ¹⁴ Accreditation not applicable

Our Locations

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



¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCOUNT:

CH2M Hill- Kinder Morgan- Atlanta, GA

PROJECT:

684910.LD.MR.SW

SDG:

L893060

DATE/TIME:

03/09/17 16:27

PAGE:

22 of 25

CH2M Hill- Atlanta, GA

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

Report to:
Bethany Garvey

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

Email To: bgarvey@ch2m.com

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3



YOUR LAB OF CHOICE
52065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-927-8859
Fax: 615-758-5859

L# 893860
1201

Acctnum: KINCH2MGA
Template: T120907
Prelogin: PS89495
TSR: 526 - Chris McCord
PB: 73-2-24-7
Shipped Via: FedEX Priority

Project Description: **Lewis Drive Site Surface water event**

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

Phone: 770-604-9182
Fax:

Client Project #
684910.LD.MR.SW

Lab Project #
KINCH2MGA-LEWIS

Collected by (print): **TIM/DHK**
J. McLann/CH2M

Site/Facility ID #

P.O. #

Collected by (signature):
Justine McLann

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

Quote #

Date Results Needed

Packed on ice: N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative	Remarks	Sample # (lab only)
SW115-022817	G	GW	N/A	2/28/17	1000	2 X	V8260BTEXN 40mlAmb-HCl		01
SW111-022817		GW			1035	2 X	V8260BTEXNSC-TB 40mlAmb-HCl-BIK		02
SW110-022817		GW			1050	2 X			07
SW109-022817		GW			1115	2 X			04
SW108-022817		GW			1145	2 X			05
SW105-022817		GW			1300	2 X			06
SW102-022817		GW			1320	2 X			07
SW101-022817		GW			1345	2 X			08
SW-01-022817		GW			1420	2 X			05
SW-12-022817		GW			1440	2 X			14

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

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
UPS FedEx ___ Courier ___

Tracking # **7176 9007 3108**

Sample Receipt Checklist
OC Seal Present/Intact: N
OC Signed/Accurate: N
Bottles arrive intact: N
Correct bottles used: N
Sufficient volume sent: N
VOA Leco Headspace: N
Preservation Correct/Checked: N

Relinquished by: (Signature) <i>Justine McLann</i>	Date: 2/28/17	Time: 12:00	Received by: (Signature) <i>Maura Melgo</i>	Trip Blank Received: 2	Yes/No HCl/MeOH BR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C	Bottles Rec'd: 1/10/17
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3-1-17	Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF **08**

CH2M Hill- Atlanta, GA

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

Report to:
Bethany Garvey

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

Email To: bgarvey@ch2m.com

Project Description: **Lewis Drive Site Surface water event**

City/State Collected:
KINCH2MGA-LEWIS

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

Client Project #
684910.L.D.MRS.W

Collected by (print): **Tim DHEG**
S. McCann/CH2M

Site/Facility ID #
P.O. #

Collected by (signature):
Justine McCann
Immediately Packed on ice: **N Y X**

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

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative	Remarks	Sample # (lab only)
SW-03-022817	G	GW	N/A	2/28/17	1455	2	X		11
SW-09-022817		GW			1620	2	X		12
FP-03-022817		GW			1550	2	X		13
FP-02-022817		GW			1610	2	X		14
FP-01-022817		GW			1600	2	X		15
SW110-022817		GW			1600	2	X		16
SW114-022817		GW			1021	2	X		17
SW112-022817		GW			1037	2	X		18
SW113-022817		GW			1055	2	X		19
SW106-022817		GW			1120	2	X		20

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

Remarks:
pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **7176 9007 3108**

Sample Receipt Checklist:
COC Seal Present/Intact: N
COC Signed/Accurate: N
Bottles arrive intact: N
Correct bottles used: N
Sufficient volume sent: N
If Applicable
VQA Zero HeadSpace: N
Preservation Correct/Checked: N

Relinquished by: (Signature) Justine McCann	Date: 2/28/17	Time: 1800	Received by: (Signature)	Trip Blank Received: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes 2	Temp: 2.1	Bottle No: 4032	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottle No:		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Monica Malone	Date: 3-1-17	Time: 0900	Hold: _____ Condition: NCF 10	

Chain of Custody Page 2 of 3



12055 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-787-5859
Fax: 615-758-5859

L # **893266**

Table #

Acctnum: **KINCH2MGA**
Template: **T120907**
Prelogin: **P589495**
TSR: **526 - Chris McCord**
PB: **JE 2-24-17**
Shipped Via: **FedEX Priority**

CH2M Hill- Atlanta, GA

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

Report to:
Bethany Garvey

Billing Information:

Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Email To: bgarvey@ch2m.com

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3



L.A.B S.C.I.E.N.C.E.S

32065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-757-5859
Fax: 615-758-5859

L # 853060

Table #

Accnum: KINCH2MGA

Template: T120907

Prelogin: PS89495

TSR: 526 - Chris McCord

PB: JE 2-24-17

Shipped Via: FedEX Priority

Project Description: Lewis Drive Site Surface water event

Phone: 770-604-9182

Client Project #
68410, LD, MRS.

City/State Collected:
Lab Project #
KINCH2MGA-LEWIS

Collected by (print): Tim S. Dike
J. McLann/CH2M

Site/Facility ID #
P.O. #

Quote #

Collected by (signature):
Justine McLann

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

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative
SW107-022817	G	GW	N/A	2/28/17	1142	2	X
SW104-022817		GW			1205	2	X
SW103-022817		GW			1224	2	X
SW-11-022817		GW			1330	2	X
SW-10-022817		GW			1345	2	X
SW-02-022817		GW			1417	2	X
SW100-022817		GW			1500	2	X
SW-13-022817		GW			1530	2	X
SW-08-022817		GW			1540	2	X
SW-04-022817		GW			1609	2	X
				2/28/17	1640	2	X

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

Remarks: NTA

Samples returned via:
LPS FedEx Courier

Tracking # 7176 9007 3108

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	21
COC Signed/Accurate:		22
Bottles arrive intact:		23
Correct bottles used:		24
Sufficient volume sent:		25
if Applicable		26
VOA Zero Headpace:		27
Preservation Correct/Checked:		28
		29
		30

Relinquished by: (Signature)
Justine McLann

Date: 2/28/17 Time: 1800

Received by: (Signature)

Trip Blank Received: Yes/No
HCL / MeOH
TBA

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: 2.1 °C
Bottle Rec'd: 4062

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)
Mama Malone

Date: 3-1-17 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF 108