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

January 18, 2018

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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 – December 2017 Monthly Status Update**
Plantation Pipe Line Company
Belton, South Carolina
Site ID #18693, "Kinder Morgan Belton Pipeline Release"

Dear Ms. Coleman,

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

Regards,
CH2M HILL Engineers, Inc.

William M. Waldron, P.E.
Program Manager

Attachments:

- Monthly Status Update including:
  - Figure 1 – Groundwater and Surface Water Elevation Map
  - Figure 2 – Product Thickness Map
  - Table 1 – Field Observations
  - Table 2 – Stream Gauge Construction Information
  - Table 3 – Analytical Results for Surface Water
  - Table 4 – Well Construction Information
  - Table 5 – Groundwater Elevation and Product Thickness Data
  - Table 6 – Analytical Results for Groundwater
  - Surface Water Analytical Laboratory Reports

- Groundwater Analytical Laboratory Reports

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

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

Surface Water

- Routinely inspected Brown's Creek and the wetland area south of West Calhoun Road adjacent to Cupboard Creek for hydrocarbon sheen, odor, or distressed vegetation. No new signs of distressed vegetation, hydrocarbon sheen, or odor were noted at Brown's Creek or the wetland area south of West Calhoun Road adjacent to Cupboard Creek. The route of inspection is indicated on Figure 1. A summary of the field observations is provided in Table 1.
- Stream elevations from staff gauges are tabulated in Table 2 and are shown along with groundwater elevations on Figure 1.
- To date, 41 surface water sampling events have been performed and samples during each event were analyzed for benzene, toluene, ethylbenzene, xylenes, and naphthalene (see Table 3).
- During this reporting period, surface water samples were collected on December 5 and 14, 2017. Hydrocarbons were detected at SW-02 from the December 5, 2017, sampling event, therefore the team was instructed to collect additional samples on December 14, 2017, to confirm the detections. Fifteen surface water samples were collected on December 5, 2017, at locations SW-01, SW-02, SW-03, SW-04, SW-07, SW-08, SW-09, SW-10, SW-11, SW-12, SW-13, SW-14, FP-01, FP-02, and FP-03 (locations SW-05 and SW-06 in Cupboard Creek were dry). Fourteen surface water samples were collected on December 14, 2017, at the same locations listed above except for SW-14 which was not resampled because the location is not near the anomalous detections at SW-02.
    - The following constituent was detected above its surface water standard on December 5, 2017:
        - 26.6 µg/L benzene at SW-02
        - 16.6 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 reports are attached.
    - The following constituent was detected above its surface water standard on December 14, 2017:
        - 4.52 µg/L benzene at SW-01
        - 21.1 µg/L benzene at SW-02
        - 9.19 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 reports are attached.

Product Recovery

- Gauged depth to product and depth to water in recovery sumps/trenches/wells, piezometers, monitoring wells, and stream gauges on a routine basis. A site-wide gauging event was performed on December 21 and 27, 2017. Six locations displayed measurable product thicknesses of 0.5 foot or greater. The greatest product thickness measured from a recovery feature (recovery sumps, trenches, and wells) was 1.34 feet, at RW-05. The greatest product thickness measured from a non-recovery feature (piezometers, monitoring wells, and stream gauges) was 0.60 feet, at TW-28. All locations showing greater than 0.5 feet of product are away from surface water bodies at the site and have limited influence from the air sparging remediation system. Construction information for recovery features, piezometers, and monitoring wells is presented in Table 4. Groundwater elevation and product thickness data for December 2017 are presented in Table 5. Groundwater elevation and product thicknesses for December 2017 are presented on Figures 1 and 2, respectively.
- Less product was recovered in December 2017 than could be measured accurately by gauging the 1,500-gallon holding tanks. See Table 5 for the specific dates and times certain wells and sumps were used for product recovery.
- Through the end of December 2017, approximately 222,974 gallons (5,309 barrels) of product have been collected.

Groundwater

- Operated and recorded data from six continuous water level data loggers (In Situ Rugged Troll 100) in MW-02, MW-12, MW-15, MW-20, MW-25, and MW-40, and two barometric pressure loggers in MW-01 and MW-10 during the month.

- Collected monthly groundwater samples in accordance with the Corrective Action Plan and Addendum. The analytical lab reports are attached and results are summarized in Table 6.
    - During this reporting period, groundwater samples were collected from December 5 through 7, 2017, from 68 monitoring wells. There were 13 monitoring wells that were not sampled because of insufficient water in the well or the presence of product. Samples were analyzed for benzene, ethylbenzene, toluene, xylenes, 1,2-dichloroethane, methyl tert-butyl ether (MTBE), and naphthalene.
    - The following constituents were detected above their respective groundwater standards:
        - Benzene – in samples from 18 monitoring wells ranging from 6.48 to 14,300 µg/L
        - Ethylbenzene – in one monitoring well at the concentration of 1,060 µg/L and another monitoring well where the laboratory reporting/quantitation limit was greater than the screening level so it could not be determined if the analyte was absent or present
        - Toluene – in samples from four monitoring wells ranging from 1,050 to 22,300 µg/L
        - Xylenes – in a sample from one monitoring well at the concentration of 10,100 µg/L
        - 1,2-dichloroethane – six monitoring wells have a laboratory reporting/quantitation limit greater than the screening level so it cannot be determined if the analyte was absent or present
        - MTBE – in samples from nine monitoring wells ranging from 70.9 to 1,140 µg/L and another monitoring well where the laboratory reporting/quantitation limit was greater than the screening level so it cannot be determined if the analyte was absent or present
        - Naphthalene – in samples from three monitoring wells ranging from 35.4 to 178 µg/L and samples from another four monitoring wells have a laboratory reporting/quantitation limit greater than the screening level so it cannot be determined if the analyte was absent or present
    - Apart from these locations, no dissolved hydrocarbons were detected above their respective groundwater standards in the remaining groundwater samples.

Remedial System Operation

- Continued biosparging via vertical well curtains in the Brown's Creek Protection Zone and Cupboard Creek Protection Zone, and biosparging via horizontal wells in the Hayfield Zone.
- Flows in the vertical sparging wells were maintained at approximately 10 standard cubic feet per minute (scfm) each during this period.
- Flows in the 3 horizontal wells in the Hayfield Zone were incrementally increased to approximately 0.58 scfm per foot of screen during this period, except HAS-02 which is operating at approximately 0.2 scfm per foot of screen because it lost power to the control valve on December 22, and took a few days to repair.
- Increased flows in the two stream aerators in Brown's Creek to a rate of 12 scfm each.

Regulatory Interaction

- Submitted *Third Quarter 2017 Monitoring Report (July 1 – September 30)* to SCDHEC on December 6, 2017.
- Received Comments on CAP, QAPP, monthly & quarterly reports from SCDHEC on December 14, 2017.
- Submitted *Monthly Status Update for November 2017* to SCDHEC on December 22, 2017.
- Submitted the Forensic Analysis of Chandler-AG Groundwater Sample to SCDHEC on December 26, 2017.
- Conducted internal stormwater pollution prevention plan (SWPPP) inspection on December 13, 2017.
- The Anderson County Stormwater Department performed a SWPPP inspection on December 21, 2017. No findings were noted.

Future Activities

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

- Conduct monthly surface water sampling at 17 established locations along Brown's Creek and Cupboard Creek in January 2017.
- Continue coordination with landowners and legal counsel on an as-needed basis.

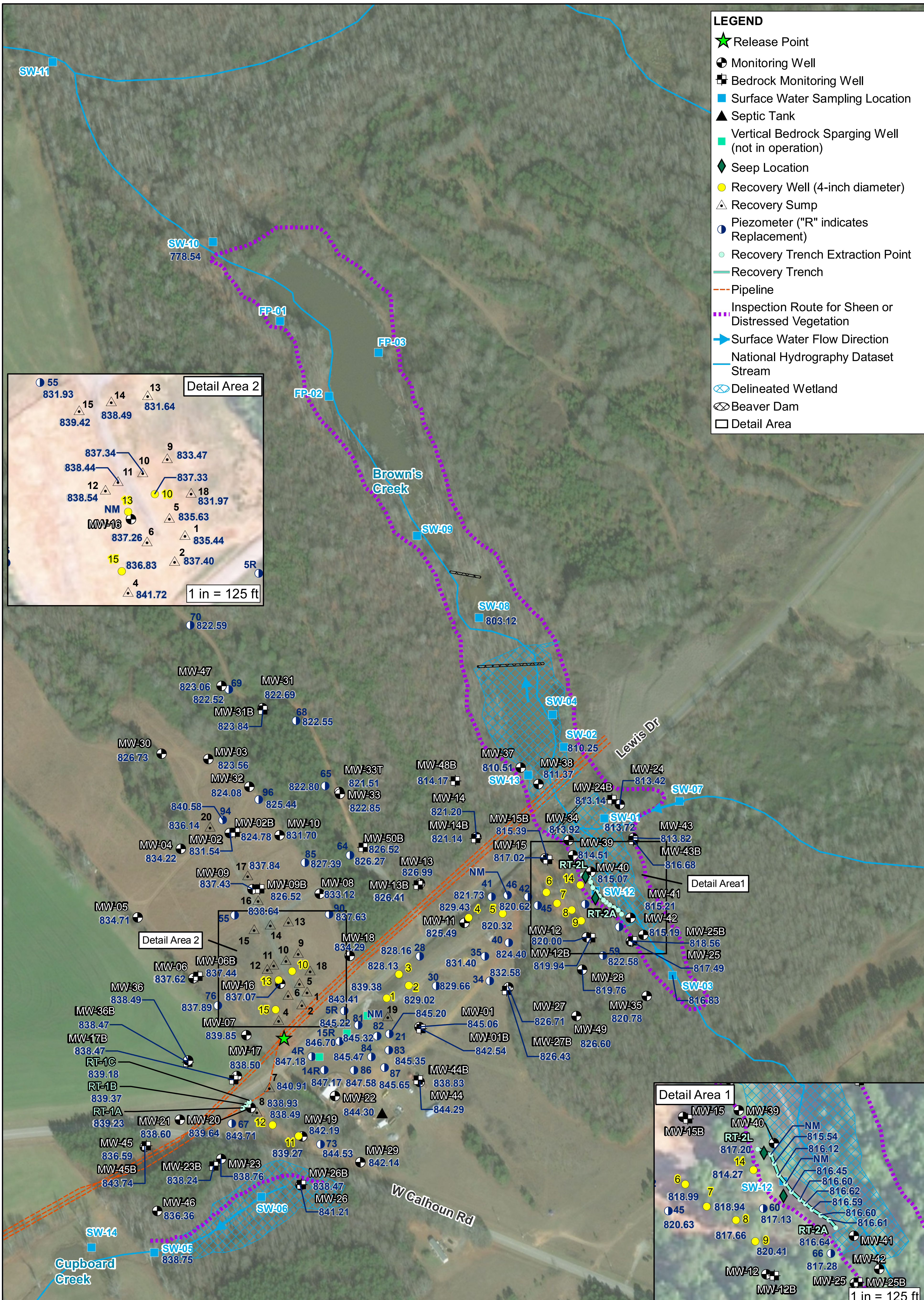
Cumulative Product Shipped from the Site

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

Notes:

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

DRAFT



815.39 Corrected Groundwater Elevation as of 12/21/2017 and 12/27/2017 in feet above mean sea level

NM Not measured

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

N

0 250 500
Scale in Feet

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

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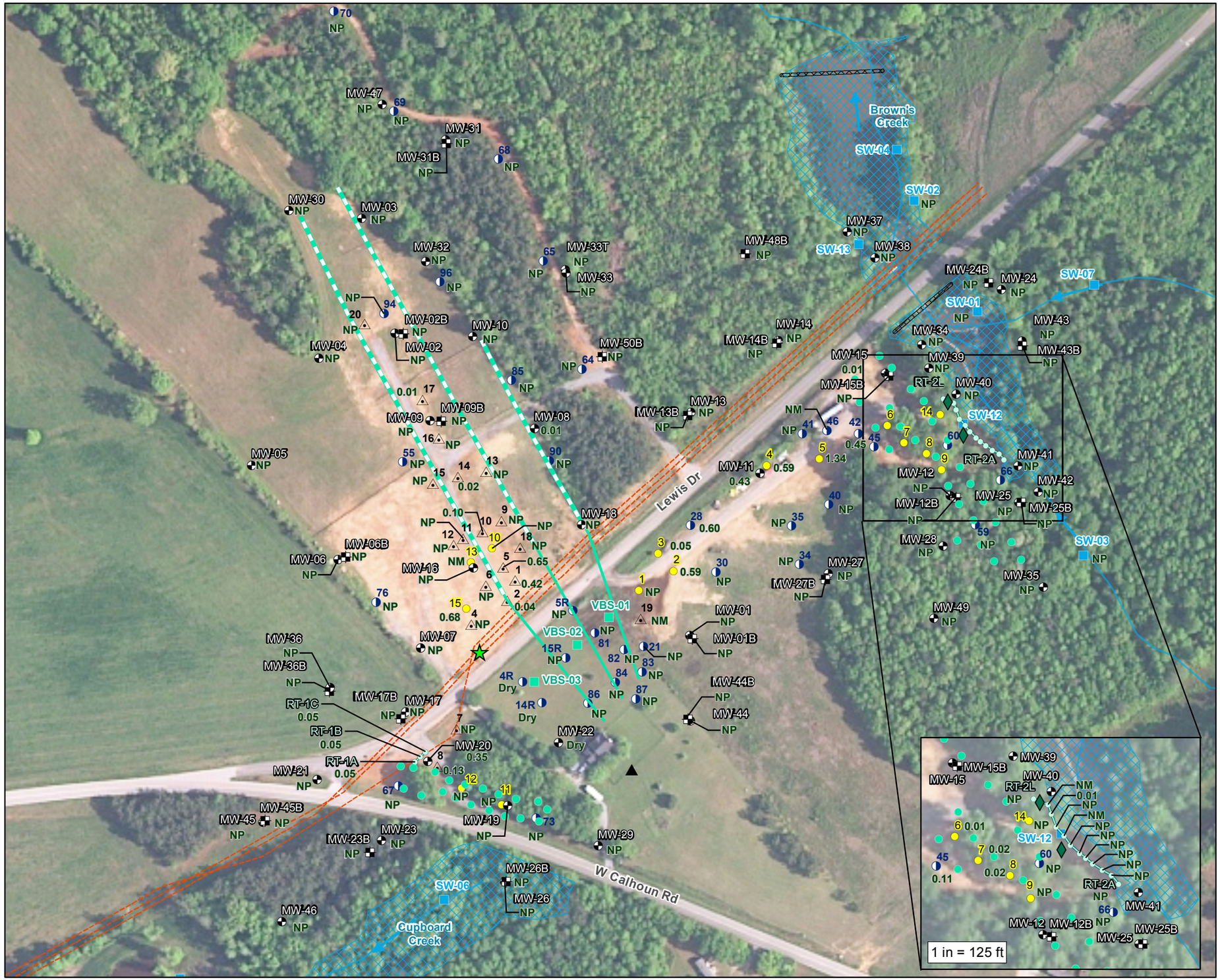

LEGEND

- Release Point
- Monitoring Well
- Bedrock Monitoring Well
- Seep Location
- Recovery Sump
- Piezometer ("R" indicates Replacement)
- Recovery Well (4-inch diameter)
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Surface Water Sampling Location
- Septic Tank
- Recovery Trench Extraction Point
- Recovery Trench
- Surface Water Flow Direction
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- Pipeline
- National Hydrography Dataset Stream
- Delineated Wetland
- Beaver Dam
- Detail Area

0.43 Product thickness in feet as of 12/21/2017 and 12/27/2017

NP No product detected

NM Not measured

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

N

0 175 350
Scale in Feet

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

Table 1. Field Observation Log

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Date	**Inspect Wetlands South of Calhoun Road** (Any odor, sheen or distressed vegetation? Describe.)	**Inspect Brown's Creek Upstream and Downstream of the Culvert Under Lewis Drive** (Any odor, sheen or distressed vegetation? Describe.)
12/1/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
12/7/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
12/21/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.
12/27/2017	No odors, sheens, or distressed vegetation observed in wetlands South of Calhoun Road.	No odors, sheens or distressed vegetation observed in wetlands either upstream or downstream of Culvert under Lewis Drive.

Notes:

ID = identification

Table 2. Stream Gauge Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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
SW-14	By hand	7/18/2017	837.13	NS

Notes:

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

ft = feet

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-RELEASE	SW-RELEASE	1/20/2015	µg/L	**330**	**490**	**2,400**	**2,100**	**940**	**140**	**5.7 J**
SW-01	SW01-121114	12/11/2014	µg/L	0.5 U	1 U	1 U	2 U	1 U	1 U[d]	1 U
	SW01-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-033115	3/31/2015	µg/L	5 U[d]	5 U	**17.6**	10 U	5 U	5 U[d]	NA
	SW01-042215	4/22/2015	µg/L	5 U[d]	5 U	**14.9**	10 U	5 U	5 U[d]	NA
	SW01-050715	5/7/2015	µg/L	5 U[d]	5 U	**7.0**	10 U	5 U	5 U[d]	NA
	SW01-051915	5/19/2015	µg/L	5 U[d]	5 U	**8.8**	**10.6**	**6.4**	5 U[d]	NA
	SW01-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW01-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW01-112415	11/24/2015	µg/L	**7.8**	**1.5**	**13.0**	**9.3**	**4.6**	1 U[d]	NA
	SW01-122215	12/22/2015	µg/L	**4.6**	1 U	**8.8**	**5.5**	**3.1**	1 U[d]	NA
	SW01-012516	1/25/2016	µg/L	**17.6**	**2.3**	**36.0**	**11.3**	**6.3**	1 U[d]	NA
	SW01-021816	2/18/2016	µg/L	**23.4**	**3.0**	**55.6**	**15.0**	**9.1**	1 U[d]	NA
	SW01-031616	3/16/2016	µg/L	**20.1**	**2.4**	**42.3**	**13.3**	**7.6**	1 U[d]	NA
	SW01-042716	4/27/2016	µg/L	**20.8**	1 U	**30.6**	**2.9**	**2.0**	1 U[d]	NA
	SW01-050916	5/9/2016	µg/L	**16.5**	**1.4**	**16.3**	**7.0**	**4.8**	1 U[d]	NA
	SW01-062716	6/27/2016	µg/L	**9**	1 U	**3.3**	2 U	1 U	1 U[d]	NA
	SW01-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW01-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW01-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW01-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW01-112816	11/28/2016	µg/L	**5.0**	1 U	**10.4**	**4.9**	**8.3**	1 U[d]	NA
	SW01-122916	12/29/2016	µg/L	**12.6**	1 U	**22.1**	**11.2**	**13.5**	1 U[d]	NA
	SW01-012017	1/20/2017	µg/L	**1.0**	1 U	**2.3**	2 U	**3.5**	1 U[d]	NA
	SW01-022817	2/28/2017	µg/L	**18.5**	**1.93**	**37.0**	**13.8**	**10.2**	5 U[d]	NA
	SW01-031517	3/15/2017	µg/L	**3.02**	1 U	**5.13**	**2.16**	**1.74**	5 U[d]	NA
	SW01-032117	3/21/2017	µg/L	1 U	1 U	**1.57**	2 U	1 U	5 U[d]	NA
	SW01-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW01-040517	4/5/2017	µg/L	1 U	1 U	**2.25**	2 U	1 U	5 U[d]	NA
	SW01-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW01-061317	6/13/2017	µg/L	1 U	1 U	**1.90**	2 U	1 U	5 U[d]	NA
	SW01-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW01-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW01-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW01-120517	12/5/2017	µg/L	**1.5**	1 U	**1.15**	2 U	**2.14**	5 U[d]	NA
	SW01-121417	12/14/2017	µg/L	**4.52**	1 U	**4.52**	**3.48**	**3.2**	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-02	SW02-121114	12/11/2014	µg/L	0.5 U	1 U	1 U	2 U	1 U	1 U[d]	1 U
	SW02-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-033115	3/31/2015	µg/L	5 U[d]	5 U	**6.0**	10 U	5 U	5 U[d]	NA
	SW02-042215	4/22/2015	µg/L	5 U[d]	5 U	**13.0**	10 U	5 U	5 U[d]	NA
	SW02-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW02-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-112415	11/24/2015	µg/L	**6**	**1.3**	**10.0**	**7.8**	**4.0**	1 U[d]	NA
	SW02-122215	12/22/2015	µg/L	**4.1**	1 U	**7.6**	**5.1**	**3.1**	1 U[d]	NA
	SW02-012516	1/25/2016	µg/L	**12**	**1.5**	**25.0**	**8.4**	**4.6**	1 U[d]	NA
	SW02-021816	2/18/2016	µg/L	**15.5**	**1.8**	**35.3**	**10.1**	**5.9**	1 U[d]	NA
	SW02-031616	3/16/2016	µg/L	**8**	**1.0**	**17.5**	**5.8**	**3.9**	1 U[d]	NA
	SW02-042716	4/27/2016	µg/L	**5.6**	1 U	**7.1**	2 U	1 U	1 U[d]	NA
	SW02-050916	5/9/2016	µg/L	**7.1**	1 U	**4.5**	**2.2**	**1.6**	1 U[d]	NA
	SW02-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-112816	11/28/2016	µg/L	**5.4**	1 U	**1.6**	**2.6**	**4.8**	1 U[d]	NA
	SW02-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	**1.4**	1 U[d]	NA
	SW02-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW02-022817	2/28/2017	µg/L	**10.7**	1 U	**11.0**	**4.14**	**4.23**	5 U[d]	NA
	SW02-031517	3/15/2017	µg/L	**11.4**	1 U	**8.6**	**4.45**	**3.6**	5 U[d]	NA
	SW02-032117	3/21/2017	µg/L	**8.42**	1 U	**2.45**	**2.48**	**2.68**	5 U[d]	NA
	SW02-033017	3/30/2017	µg/L	**2.18**	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-040517	4/5/2017	µg/L	**2.87**	1 U	**1.12**	2 U	**1.14**	5 U[d]	NA
	SW02-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW02-120517	12/5/2017	µg/L	**26.6**	**1.8**	**8.39**	**10.2**	**7.17**	5 U[d]	NA
	SW02-121417	12/14/2017	µg/L	**21.1**	**1.53**	**9.40**	**9.74**	**7.32**	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**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[d]	1 U
	SW03-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW03-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW03-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-04	SW-DOWNGRADIENT	1/20/2015	µg/L	**95**	**27**	**310**	**110**	**63**	**94** U[d]	**2.7**
	SW04-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW04-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-112415	11/24/2015	µg/L	**1.7**	1 U	**2.7**	**2.9**	**1.6**	1 U[d]	NA
	SW04-122215	12/22/2015	µg/L	**3.3**	1 U	**7.3**	**5.2**	**2.7**	1 U[d]	NA
	SW04-012516	1/25/2016	µg/L	**6.9**	1 U	**14.0**	**4.9**	**2.8**	1 U[d]	NA
	SW04-021816	2/18/2016	µg/L	**10.9**	**1.1**	**25.4**	**7.0**	**4.3**	1 U[d]	NA
	SW04-031616	3/16/2016	µg/L	1 U	1 U	**2.0**	2 U	**1.8**	1 U[d]	NA
	SW04-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-062716	6/27/2016	µg/L	1 U	1 U	**1.1**	2 U	1 U	1 U[d]	NA
	SW04-072816	7/28/2016	µg/L	1 U	1 U	**23.5**	2 U	1 U	1 U[d]	NA
	SW04-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW04-022817	2/28/2017	µg/L	1 U	1 U	**1.13**	2 U	1 U	5 U[d]	NA
	SW04-031517	3/15/2017	µg/L	1 U	1 U	**2.90**	2 U	1 U	5 U[d]	NA
	SW04-032117	3/21/2017	µg/L	1 U	1 U	**3.28**	2 U	1 U	5 U[d]	NA
	SW04-033017	3/30/2017	µg/L	1 U	1 U	**6.15**	2 U	1 U	5 U[d]	NA
	SW04-040517	4/5/2017	µg/L	1 U	1 U	**9.47**	2 U	1 U	5 U[d]	NA
	SW04-050417	5/4/2017	µg/L	1 U	1 U	**13.8**	2 U	1 U	5 U[d]	NA
	SW04-061317	6/13/2017	µg/L	1 U	1 U	**1.37**	2 U	1 U	5 U[d]	NA
	SW04-071817	7/18/2017	µg/L	1 U	1 U	**1.92**	2 U	1 U	5 U[d]	NA
	SW04-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW04-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW04-120517	12/5/2017	µg/L	1 U	1 U	**5.53**	2 U	1 U	5 U[d]	NA
	SW04-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-05	SW05-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW05-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW05-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW05-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW05-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW05-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
SW-06	SW06-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW06-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW06-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW06-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW06-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW06-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW06-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW06-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-07	SW07-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW07-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW07-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW07-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-08	SW08-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW08-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-122215	12/22/2015	µg/L	**1.6**	1 U	**3.8**	**2.5**	**1.6**	1 U[d]	NA
	SW08-012516	1/25/2016	µg/L	**2.4**	1 U	**5.6**	**2**	**1.3**	1 U[d]	NA
	SW08-021816	2/18/2016	µg/L	**2.9**	1 U	**7.6**	**2.3**	**1.5**	1 U[d]	NA
	SW08-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW08-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW08-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-09	SW09-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW09-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-122215	12/22/2015	µg/L	**2.1**	1 U	**4.8**	**3.3**	**2.1**	1 U[d]	NA
	SW09-012516	1/25/2016	µg/L	**3.3**	1 U	**7.1**	**2.4**	**1.5**	1 U[d]	NA
	SW09-021816	2/18/2016	µg/L	**2.2**	1 U	**5.9**	2 U	**1.2**	1 U[d]	NA
	SW09-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW09-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW09-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
	SW10-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW10-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
SW-10	SW10-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW10-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-10-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-10-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-10-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW10-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-11	SW11-022515	2/25/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-030215	3/2/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-031115	3/11/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-031815	3/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-033115	3/31/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-042215	4/22/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-050715	5/7/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-051915	5/19/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-060315	6/3/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-061815	6/18/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-071515	7/15/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-081315	8/13/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-092415	9/24/2015	µg/L	5 U[d]	5 U	5 U	10 U	5 U	5 U[d]	NA
	SW11-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW11-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-11-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-11-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW-11-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW11-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
SW-12	SW12-081916	8/19/2016	µg/L	**6,430**	**764**	**15,400**	**3,360**	**1,730**	**128**	NA
	SW12-092916	9/29/2016	µg/L	**7,850**	**1,030**	**19,000**	**3,910**	**1,940**	**143**	NA
	SW12-103116	10/31/2016	µg/L	**165**	**17.7**	**302**	**103**	**58.2**	**4.7**	NA
	SW12-112816	11/28/2016	µg/L	**486**	**59.6**	**976**	**351**	**181**	**14.2**	NA
	SW12-122916	12/29/2016	µg/L	**707**	**97.3**	**1,790**	**408**	**213**	**16.8**	NA
	SW12-012017	1/20/2017	µg/L	**212**	**19.8**	**396**	**104**	**58**	**3.8**	NA
	SW12-022817	2/28/2017	µg/L	**26.1**	**4.04**	**62.3**	**18.0**	**9.73**	5 U[d]	NA
	SW12-031517	3/15/2017	µg/L	**125**	**15.3**	**185**	**67.9**	**35.5**	5 U[d]	NA
	SW12-032117	3/21/2017	µg/L	**134**	**12.1**	**45.0**	**60.8**	**33.6**	5 U[d]	NA
	SW12-033017	3/30/2017	µg/L	**48.5**	**5.69**	**86.3**	**27.7**	**15.8**	5 U[d]	NA
	SW12-040517	4/5/2017	µg/L	**67.1**	**9.24**	**127.0**	**43.6**	**23.7**	5 U[d]	NA
	SW12-050417	5/4/2017	µg/L	**52.8**	**7.96**	**91.7**	**42**	**23.2**	5 U[d]	NA
	SW12-061317	6/13/2017	µg/L	**102**	**16.6**	**166**	**85.1**	**46.2**	5 U[d]	NA
	SW12-071817	7/18/2017	µg/L	**65**	**5.8**	**116**	**43.3**	**24.8**	5 U[d]	NA
	SW12-080217	8/2/2017	µg/L	**125**	**14.7**	**204**	**102**	**67**	5 U[d]	NA
	SW12-090517	9/5/2017	µg/L	**46.7**	**4.72**	**72**	**39**	**26.2**	5 U[d]	NA
	SW12-090517-DUP	9/5/2017	µg/L	**57.4**	**5.5**	**86.5**	**46.2**	**32.1**	5 U[d]	NA
	SW12-120517	12/5/2017	µg/L	**16.6**	**2.91**	**12.6**	**20.1**	**13.3**	5 U[d]	NA
	SW12-121417	12/14/2017	µg/L	**9.19**	**2.66**	**8.26**	**18**	**12.1**	5 U[d]	NA
SW-13	SW13-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW13-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW13-103116	10/31/2016	µg/L	1 U	1 U	**2.0**	2 U	1 U	1 U[d]	NA
	SW13-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW13-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW13-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	SW13-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-040517	4/5/2017	µg/L	1 U	1 U	**1.21**	2 U	1 U	5 U[d]	NA
	SW13-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW13-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
SW-14	SW14-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW14-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW14-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	SW14-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 3. Analytical Results for Surface Water

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

				Analyte						
Location	**Sample ID**	**Date Collected**	**Units**	**Benzene**	**Ethylbenzene**	**Toluene**	**m&p-Xylene**	**o-Xylene**	**Naphthalene**	**MTBE**
FP-03	FP03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U[d]	NA
	FP03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP03-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-040517	4/5/2017	µg/L	NS	NS	NS	NS	NS	NS	NA
	FP-03-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
	FP-03-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U[d]	NA
		Screening Value:	µg/L	2.2 [a]	530 [a]	1,000 [a]	190 [b,c]	190 [b]	0.17 [b]	NA

Notes:

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

[b] U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs). Tapwater. November 2017. 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

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

Samples analyzed by EPA Methods SW 8260B

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

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter
FP = free product
ID = identification
J = estimated
MTBE = methyl tertiary butyl ether
NA = not applicable
NS = not sampled
SW = surface water
U = analyte was not detected above the reported sample quantitation limit

Table 4. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft BTOC)	Bottom of Screen or Open Borehole Interval (ft BTOC)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
Monitoring Wells																			
MW-01	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	850.25	853.07	15.61	8	2	13.00	837.2	5.82	15.82	3.0	13.0	847.2	837.2	10.00
MW-01B	Schramm Air Rig	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	850.45	852.99	45.26	10	6	38.50	812.0	21.03	41.03	18.5	38.5	832.0	812.0	20.00
MW-02	CME 750 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	841.24	841.04	19.78	8	2	20.00	821.2	4.80	19.80	5.0	20.0	836.2	821.2	15.00
MW-02B	Schramm Air Rig/rehabbed (10/5/2017) with a Mobile Drill B57	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	841.18	841.19	81.55	10	2	81.70	759.5	70.00	81.70	70.0	81.7	771.2	759.5	13
MW-03	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	838.38	838.36	22.19	8	2	20.00	818.4	4.98	19.98	5.0	20.0	833.4	818.4	15.00
MW-04	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	844.51	844.42	20.65	8	2	20.00	824.5	4.91	19.91	5.0	20.0	839.5	824.5	15.00
MW-05	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	851.15	851.11	19.89	8	2	20.00	831.1	4.96	19.96	5.0	20.0	846.1	831.1	15.00
MW-06	CME 550 HSA	MW-10136	6/24/2015	Still in use	Monitoring Well/Gauging	852.98	852.92	19.20	8	2	19.60	833.4	4.54	19.54	5.0	19.6	848.0	833.4	15.00
MW-06B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	852.42	852.57	85.65	13.75	4	85.20	767.2	65.50	85.50	65.5	85.5	786.9	766.9	20.00
MW-07	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	853.02	853.02	13.60	8	2	13.50	839.5	3.50	13.50	3.5	13.5	849.5	839.5	10
MW-08	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	844.75	844.72	19.80	8	2	19.70	825.1	4.67	19.67	4.7	19.7	840.1	825.1	15.00
MW-09	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	843.72	843.63	20.21	8	2	19.50	824.2	4.41	19.41	4.5	19.5	839.2	824.2	15.00
MW-09B	Mobile Drill B57	MW-11117	10/17/2017	Still in use	Monitoring Well/Gauging	843.71	843.92	151.00	13.75	4	151.00	692.7	132.20	151.00	132.2	151.0	711.5	692.7	20.00
MW-10	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	842.33	845.41	23.54	8	2	20.00	822.3	8.08	23.08	5.0	20.0	837.3	822.3	15.00
MW-11	CME 550 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	852.36	855.63	32.50	8	2	25.20	827.2	13.27	28.27	14.2	25.0	838.2	827.4	15.00
MW-12	CME 550 HSA	MW-10136	6/25/2015	Still in use	Monitoring Well/Gauging	832.20	834.53	21.69	8	2	19.30	812.9	6.63	21.63	4.3	19.3	827.9	812.9	15.00
MW-12B	Geoprobe 3230 DT HSA	MW-10460	12/22/2015	Still in use	Monitoring Well/Gauging	832.26	834.98	45.81	10	6	43.00	789.3	35.72	45.72	33.0	43.0	799.3	789.3	10.00
MW-13	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	845.93	848.84	22.18	8	2	19.00	826.9	6.92	21.92	4.0	19.0	841.9	826.9	15.00
MW-13B	Geoprobe 3230 DT HSA	MW-10461	12/21/2015	Still in use	Monitoring Well/Gauging	847.19	849.82	55.36	10	6	58.00	789.2	50.64	60.64	48.0	58.0	799.2	789.2	10.00
MW-14	CME 550 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	836.47	838.70	22.20	8	2	19.30	817.2	6.53	21.53	4.3	19.3	832.2	817.2	15.00
MW-14B	Mobile ST Schramm	MW-10578	5/3/2016	Still in use	Monitoring Well/Gauging	837.12	840.20	76.97	10	6	76.90	760.2	66.07	76.07	66.0	76.0	771.1	761.1	10.00
MW-15	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	828.68	831.03	21.22	8	2	19.00	809.7	6.35	21.35	4.0	19.0	824.7	809.7	15.00
MW-15B	CME 550 HSA	MW-10136	7/28/2015	Still in use	Monitoring Well/Gauging	828.66	831.29	74.41	10	6	77.85	750.8	70.48	80.48	67.9	77.9	760.8	750.8	10.00
MW-16	CME 750 HSA	MW-10136	6/26/2015	Still in use	Monitoring Well/Gauging	847.63	847.67	20.37	8	2	20.00	827.6	5.03	20.03	5.0	20.0	842.6	827.6	15.00
MW-17	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	855.32	855.35	15.30	8	2	11.00	844.3	6.03	11.03	6.0	11.0	849.3	844.3	5.00
MW-17B	Geoprobe 3230 DT HSA	MW-10462	1/7/2016	Still in use	Monitoring Well/Gauging	855.37	855.37	27.50	10	6	27.00	828.4	17.00	27.00	17.0	27.0	838.4	828.4	10.00
MW-18	CME 550 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	846.82	846.89	19.75	8	2	20.00	826.8	5.06	20.06	5.0	20.0	841.8	826.8	15.00
MW-19	CME 750 HSA	MW-10136	6/29/2015	Still in use	Monitoring Well/Gauging	851.23	853.94	12.13	8	2	9.50	841.7	7.20	12.20	4.5	9.5	846.7	841.7	5.00
MW-20	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	853.07	852.89	19.45	8	2	19.00	834.1	3.81	18.81	4.0	19.0	849.1	834.1	15.00
MW-21	CME 750 HSA	MW-10136	6/30/2015	Still in use	Monitoring Well/Gauging	855.68	855.77	20.70	8	2	20.00	835.7	5.09	20.09	5.0	20.0	850.7	835.7	15.00
MW-22	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	854.62	854.60	10.30	8	2	11.00	843.6	5.98	10.98	6.0	11.0	848.6	843.6	5.00
MW-23	CME 750 HSA	MW-10136	7/1/2015	Still in use	Monitoring Well/Gauging	846.66	849.57	23.50	8	2	20.00	826.7	7.91	22.91	5.0	20.0	841.7	826.7	15.00
MW-23B	CME 550 HSA	MW-10136	7/22/2015	Still in use	Monitoring Well/Gauging	846.81	849.69	53.48	10	6	50.50	796.3	30.88	53.38	28.0	50.5	818.8	796.3	22.50
MW-24	CME 550 HSA	MW-10136	7/15/2015	Still in use	Monitoring Well/Gauging	815.72	817.92	15.30	8	2	13.00	802.7	10.20	15.20	8.0	13.0	807.7	802.7	5.00
MW-24B	CME 550 HSA	MW-10136	7/20/2015	Still in use	Monitoring Well/Gauging	815.83	818.72	45.10	10	6	39.50	776.3	22.39	42.39	19.5	39.5	796.3	776.3	20.00
MW-25	Geoprobe 3230 DT HSA	MW-10463	1/5/2016	Still in use	Monitoring Well/Gauging	823.46	826.18	18.07	8	2	15.00	808.5	8.04	18.04	5.0	15.0	818.5	808.5	10.00
MW-25B	Geoprobe 3230 DT HSA	MW-10464	1/5/2016	Still in use	Monitoring Well/Gauging	822.59	823.81	59.00	10	6	58.00	764.6	49.22	59.22	48.0	58.0	774.6	764.6	10.00
MW-26	Geoprobe 3230 DT HSA	MW-10465	1/4/2016	Still in use	Monitoring Well/Gauging	844.76	847.56	17.15	8	2	15.25	829.5	7.27	17.27	5.0	15.0	839.8	829.8	10.00
MW-26B	Geoprobe 3230 DT HSA	MW-10466	1/4/2016	Still in use	Monitoring Well/Gauging	844.81	847.81	43.84	10	6	38.00	806.8	29.00	41.00	26.0	38.0	818.8	806.8	12.00
MW-27	Geoprobe 3230 DT HSA	MW-10467	1/5/2016	Still in use	Monitoring Well/Gauging	854.22	854.11	29.51	8	2	30.25	824.0	15.11	30.11	15.0	30.0	839.2	824.2	15.00
MW-27B	CME 550 HSA / Schramm	MW-10578	4/26/2016	Still in use	Monitoring Well/Gauging	854.27	857.14	41.45	10	6	46.00	808.3	31.45	41.45	36.0	46.0	818.3	808.3	10.00
MW-28	Geoprobe 3230 DT HSA	MW-10468	1/5/2016	Still in use	Monitoring Well/Gauging	841.49	844.31	25.93	8	2	23.50	818.0	8.50	23.50	10.0	25.0	831.5	816.5	15.00
MW-29	Geoprobe 3230 DT HSA	MW-10469	1/4/2016	Still in use	Monitoring Well/Gauging	852.07	852.20	15.10	8	2	15.25	836.8	5.00	15.00	5.0	15.0	847.1	837.1	10.00
MW-30	Geoprobe 3230 DT HSA	MW-10470	1/6/2016	Still in use	Monitoring Well/Gauging	841.21	841.28	14.69	8	2	15.25	826.0	5.00	15.00	5.0	15.0	836.2	826.2	10.00
MW-31	CME 550 HSA	MW-10578	4/19/2016	Still in use	Monitoring Well/Gauging	842.26	845.04	28.20	8	2	25.00	817.3	13.20	28.20	10.0	25.0	832.3	817.3	15.00
MW-31B	CME 550 HSA / Schramm	MW-10578	4/22/2016	Still in use	Monitoring Well/Gauging	842.01	844.94	79.25	10	6	76.00	766.0	68.25	79.25	65.0	76.0	777.0	766.0	11.00

Table 4. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Table 4. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft BTOC)	Bottom of Screen or Open Borehole Interval (ft BTOC)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
RS-08	Trackhoe	MW-09978	12/31/2014	Still in use	Gauging/LNAPL Recovery	852.59	854.00	20.22	NA	4	18.81	833.8	3.41	20.22	2.0	18.8	850.6	833.8	16.81
RS-09	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.75	847.60	18.85	NA	4	18.00	828.8	2.85	18.85	2.0	18.0	844.8	828.8	16.00
RS-10	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.28	847.42	20.06	NA	4	18.92	827.4	3.14	20.06	2.0	18.9	844.3	827.4	16.92
RS-11	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.35	847.44	22.06	NA	4	20.97	825.4	3.09	22.06	2.0	21.0	844.3	825.4	18.97
RS-12	Trackhoe	MW-09978	1/7/2015	Still in use	Gauging/LNAPL Recovery	846.58	847.74	21.29	NA	4	20.13	826.5	3.16	21.29	2.0	20.1	844.6	826.5	18.13
RS-13	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.39	845.98	19.92	NA	4	19.33	826.1	1.96	19.92	1.4	19.3	844.0	826.1	17.96
RS-14	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.66	845.97	19.93	NA	4	18.62	826.0	3.31	19.93	2.0	18.6	842.7	826.0	16.62
RS-15	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	845.36	846.41	19.93	NA	4	18.88	826.5	3.05	19.93	2.0	18.9	843.4	826.5	16.88
RS-16	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	844.56	845.44	19.98	NA	4	19.10	825.5	2.88	19.98	2.0	19.1	842.6	825.5	17.10
RS-17	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	843.29	844.22	19.91	NA	4	18.98	824.3	2.93	19.91	2.0	19.0	841.3	824.3	16.98
RS-18	Trackhoe	MW-09978	1/8/2015	Still in use	Gauging/LNAPL Recovery	846.82	847.89	19.98	NA	4	18.91	827.9	3.07	19.98	2.0	18.9	844.8	827.9	16.91
RS-20	Trackhoe	MW-09978	3/19/2015	Still in use	Gauging/LNAPL Recovery	841.73	842.69	11.84	NA	4	9.91	831.8	3.93	11.84	2.0	9.9	839.7	831.8	7.91
Recovery Trench Sumps																			
RT-1A	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	852.86	854.06	20.89	NA	4	20.00	832.9	3.20	21.20	2.0	20.0	850.9	832.9	18
RT-1B	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.29	854.15	21.10	NA	4	20.00	833.3	2.86	20.86	2.0	20.0	851.3	833.3	18
RT-1C	Trackhoe	MW-09978	1/6/2015	Still in use	Gauging/LNAPL Recovery	853.55	854.55	21.27	NA	4	20.00	833.5	3.00	21.00	2.0	20.0	851.5	833.5	18
RT-2A	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	815.66	817.48	10.81	NA	4	10.00	805.7	3.82	11.82	2.0	10.0	813.7	805.7	8
RT-2B	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.72	817.61	10.82	NA	4	10.00	806.7	2.89	10.89	2.0	10.0	814.7	806.7	8
RT-2C	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	816.86	818.06	10.23	NA	4	10.00	806.9	3.20	11.20	2.0	10.0	814.9	806.9	8
RT-2D	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.11	818.12	10.21	NA	4	10.00	807.1	3.01	11.01	2.0	10.0	815.1	807.1	8
RT-2E	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.32	818.25	10.24	NA	4	10.00	807.3	2.93	10.93	2.0	10.0	815.3	807.3	8
RT-2F	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.74	818.57	10.23	NA	4	10.00	807.7	2.83	10.83	2.0	10.0	815.7	807.7	8
RT-2G	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.27	820.07	10.24	NA	4	10.00	809.3	2.80	10.80	2.0	10.0	817.3	809.3	8
RT-2I	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	819.23	819.51	10.20	NA	4	10.00	809.2	2.28	10.28	2.0	10.0	817.2	809.2	8
RT-2J	Trackhoe	MW-09978	1/22/2015	Still in use	Gauging/LNAPL Recovery	817.47	817.63	10.22	NA	4	10.00	807.5	2.16	10.16	2.0	10.0	815.5	807.5	8
RT-2K	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	816.11	817.40	4.14	NA	4	2.50	813.6	2.64	4.14	1.0	2.5	815.1	813.6	2
RT-2L	Trackhoe	MW-09978	3/20/2015	Still in use	Gauging/LNAPL Recovery	817.95	819.54	6.60	NA	4	3.71	814.2	3.89	6.60	1.0	3.7	816.9	814.2	3
Piezometers																			
TW-04R	DPT	MW-10006	2/4/2015	Still in use	Gauging	852.68	852.64	5.46	2.2	1	5.5	847.2	2.46	5.46	2.5	5.5	850.2	847.2	3
TW-05R	DPT	MW-10006	2/4/2015	Still in use	Gauging	849.96	849.93	8.87	2.2	1	8.8	841.2	2.87	8.87	2.8	8.9	847.2	841.1	6
TW-14R	DPT	MW-10006	2/4/2015	Still in use	Gauging	853.47	853.37	6.20	2.2	1	6.5	847.0	2.20	6.20	2.5	6.3	851.0	847.2	4
TW-15R	DPT	MW-10006	2/4/2015	Still in use	Gauging	850.70	850.62	4.85	2.2	1	5	845.7	1.85	4.85	2.0	4.9	848.7	845.8	3
TW-21	DPT	MW-09978	1/22/2015	Still in use	Gauging	849.72	849.70	9.54	2.2	1	14	835.7	-0.46	9.54	4.0	9.6	845.7	840.2	10
TW-28	DPT	MW-09978	1/23/2015	Still in use	Gauging	851.57	851.42	31.84	2.2	1	30	821.6	11.84	31.84	10.0	32.0	841.6	819.6	20
TW-30	DPT	MW-09978	1/23/2015	Still in use	Gauging	851.86	851.81	23.15	2.2	1	24	827.9	8.15	23.15	9.0	23.2	842.9	828.7	15
TW-34	DPT	MW-09978	1/24/2015	Still in use	Gauging	854.92	854.79	25.04	2.2	1	23	831.9	10.04	25.04	8.0	25.2	846.9	829.7	15
TW-35	DPT	MW-09978	1/24/2015	Still in use	Gauging	854.22	854.10	25.12	2.2	1	23	831.2	10.12	25.12	8.0	25.2	846.2	829.0	15
TW-40	DPT	MW-09978	1/24/2015	Still in use	Gauging	853.45	853.35	34.05	2.2	1	33	820.5	14.05	34.05	13.0	34.2	840.5	819.3	20
TW-41	DPT	MW-09978	1/25/2015	Still in use	Gauging	849.38	849.38	32.15	2.2	1	34	815.4	7.15	32.15	9.0	32.1	840.4	817.2	25
TW-42	DPT	MW-09978	1/25/2015	Still in use	Gauging	847.02	846.84	27.50	2.2	1	29.5	817.5	7.50	27.50	9.5	27.7	837.5	819.3	20
TW-45	DPT	MW-09978	1/25/2015	Still in use	Gauging	848.26	848.31	36.86	2.2	1	37.5	810.8	11.86	36.86	12.5	36.8	835.8	811.4	25
TW-55	DPT	MW-10006	2/5/2015	Still in use	Gauging	846.00	845.93	41.50	2.7	1	43	803.0	11.50	41.50	13.0	41.6	833.0	804.4	30
TW-59	DPT	MW-09978	1/30/2015	Still in use	Gauging	834.84	834.78	21.15	2.7	1	22	812.8	6.15	21.15	7.0	21.2	827.8	813.6	15
TW-60	DPT	MW-09978	1/30/2015	Still in use	Gauging	828.00	828.03	37.20	2.7	1	41.5	786.5	2.20	37.20	6.5	37.2	821.5	790.8	35
TW-64	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.89	845.88	52.85	2.2	1	55	790.9	2.85	52.85	5.0	52.9	840.9	793.0	50
TW-65	DPT	MW-09978	2/2/2015	Still in use	Gauging	845.66	845.62	44.81	2.2	1	44.5	801.2	9.81	44.81	9.5	44.8	836.2	800.8	35
TW-66	DPT	MW-09978	2/2/2015	Still in use	Gauging	820.18	820.31	23.81	2.7	1	24	796.2	3.81	23.81	4.0	23.7	816.2	796.5	20
TW-67	DPT	MW-09978	2/3/2015	Still in use	Gauging	852.88	852.71	26.47	2.7	1	27	825.9	6.47	26.47	7.0	26.6	845.9	826.2	20
TW-68	DPT	MW-09978	2/3/2015	Still in use	Gauging	846.59	846.45	29.96	2.2	1	27	819.6	9.96	29.96	7.0	30.1	839.6	816.5	20

Table 4. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Installation Method	Permit #	Date Installed	Date Abandoned	Purpose	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth to Bottom (ft BTOC)	Bore Hole Diameter (in)	Well Dia (in)	Well Depth (ft bgs)	Bottom of Well (ft amsl)	Top of Screen or Open Borehole Interval (ft BTOC)	Bottom of Screen or Open Borehole Interval (ft BTOC)	Top of Screen or Open Borehole Interval (ft bgs)	Bottom of Screen or Open Borehole Interval (ft bgs)	Top of Screen or Open Borehole Interval (ft amsl)	Bottom of Screen or Open Borehole Interval (ft amsl)	Length of Screen or Open Borehole Interval (ft)
TW-69	DPT	MW-09978	2/3/2015	Still in use	Gauging	840.38	840.27	51.91	2.2	1	50	790.4	11.91	51.91	10.0	52.0	830.4	788.4	40
TW-70	DPT	MW-09978	2/3/2015	Still in use	Gauging	842.07	841.95	45.05	2.2	1	43	799.1	10.05	45.05	8.0	45.2	834.1	796.9	35
TW-73	DPT	MW-09978	2/3/2015	Still in use	Gauging	850.60	850.53	16.00	2.7	1	16	834.6	6.00	16.00	6.0	16.1	844.6	834.5	10
TW-76	DPT	MW-10006	2/4/2015	Still in use	Gauging	852.53	852.44	43.62	2.7	1	43	809.5	8.62	43.62	8.0	43.7	844.5	808.8	35
TW-81	DPT	MW-10006	2/5/2015	Still in use	Gauging	849.48	849.43	7.00	2.2	1	7	842.5	2.00	7.00	2.0	7.0	847.5	842.4	5
TW-82	DPT	MW-10006	2/5/2015	Still in use	Gauging	849.83	849.64	10.00	2.2	1	10	839.8	2.00	10.00	2.0	10.2	847.8	839.6	8
TW-83	DPT	MW-10006	2/5/2015	Still in use	Gauging	850.54	850.44	17.00	2.2	1	17	833.5	2.00	17.00	2.0	17.1	848.5	833.4	15
TW-84	DPT	MW-10006	2/5/2015	Still in use	Gauging	851.38	851.22	13.50	2.2	1	13.5	837.9	3.50	13.50	3.5	13.7	847.9	837.7	10
TW-85	DPT	MW-10006	2/5/2015	Still in use	Gauging	843.64	843.49	39.00	2.7	1	39	804.6	9.00	39.00	9.0	39.2	834.6	804.5	30
TW-86	DPT	MW-10006	2/5/2015	Still in use	Gauging	853.28	853.10	6.00	2.2	1	6	847.3	2.00	6.00	2.0	6.2	851.3	847.1	4
TW-87	DPT	MW-10006	2/5/2015	Still in use	Gauging	852.33	852.25	7.00	2.2	1	7	845.3	2.00	7.00	2.0	7.1	850.3	845.3	5
TW-90	DPT	MW-10006	2/6/2015	Still in use	Gauging	845.48	845.43	46.50	2.7	1	46.5	799.0	6.50	46.50	6.5	46.6	839.0	798.9	40
TW-94	DPT	MW-10006	2/10/2015	Still in use	Gauging	840.75	840.58	40.00	2.7	1	40	800.8	5.00	40.00	5.0	40.2	835.8	800.6	35
TW-96	DPT	MW-10006	2/11/2015	Still in use	Gauging	840.52	840.40	28.76	2.7	1	30	810.5	3.76	28.76	5.0	28.9	835.5	811.6	25
Vertical Air Sparging Wells																			
VAS-01	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	853.269	NS	NA	8.50	2.00	32.20	NA	NA	NA	28.70	31.20	NA	NA	2.50
VAS-02	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.360	NS	NA	8.50	2.00	27.00	NA	NA	NA	23.50	26.00	NA	NA	2.50
VAS-03	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	852.132	NS	NA	8.50	2.00	18.30	NA	NA	NA	14.80	17.30	NA	NA	2.50
VAS-04	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	852.056	NS	NA	8.50	2.00	16.70	NA	NA	NA	13.20	15.70	NA	NA	2.50
VAS-05	Mobile B57 HSA	SCHE03020469	7/27/2016	Still in use	Cupboard Creek Protection	851.559	NS	NA	8.50	2.00	13.00	NA	NA	NA	9.50	12.00	NA	NA	2.50
VAS-06	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.612	NS	NA	8.50	2.00	14.40	NA	NA	NA	10.90	13.40	NA	NA	2.50
VAS-07	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	851.603	NS	NA	8.50	2.00	19.40	NA	NA	NA	15.90	18.40	NA	NA	2.50
VAS-08	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.583	NS	NA	8.50	2.00	22.00	NA	NA	NA	18.50	21.00	NA	NA	2.50
VAS-09	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.607	NS	NA	8.50	2.00	14.00	NA	NA	NA	10.50	13.00	NA	NA	2.50
VAS-10	Mobile B57 HSA	SCHE03020469	7/25/2016	Still in use	Cupboard Creek Protection	851.411	NS	NA	8.50	2.00	16.10	NA	NA	NA	12.60	15.10	NA	NA	2.50
VAS-11	Mobile B57 HSA	SCHE03020469	7/28/2016	Still in use	Cupboard Creek Protection	852.476	NS	NA	8.50	2.00	25.30	NA	NA	NA	21.80	24.30	NA	NA	2.50
VAS-12	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.535	NS	NA	8.50	2.00	24.20	NA	NA	NA	20.70	23.20	NA	NA	2.50
VAS-13	Geoprobe 8040 HSA	SCHE03020469	8/5/2016	Still in use	Cupboard Creek Protection	851.701	NS	NA	8.50	2.00	19.60	NA	NA	NA	16.10	18.60	NA	NA	2.50
VAS-14	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	851.239	NS	NA	8.50	2.00	16.20	NA	NA	NA	12.70	15.20	NA	NA	2.50
VAS-15	Geoprobe 8040 HSA	SCHE03020469	8/4/2016	Still in use	Cupboard Creek Protection	850.732	NS	NA	8.50	2.00	15.50	NA	NA	NA	12.00	14.50	NA	NA	2.50
VAS-16	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	850.305	NS	NA	8.50	2.00	17.90	NA	NA	NA	14.40	16.90	NA	NA	2.50
VAS-17	Geoprobe 8040 HSA	SCHE03020469	8/3/2016	Still in use	Cupboard Creek Protection	849.842	NS	NA	8.50	2.00	19.30	NA	NA	NA	15.80	18.30	NA	NA	2.50
VAS-18	Geoprobe 8040 HSA	SCHE03020469	8/8/2016	Still in use	Cupboard Creek Protection	849.513	NS	NA	8.50	2.00	16.50	NA	NA	NA	13.00	15.50	NA	NA	2.50
VAS-19	Mobile B57 HSA	SCHE03020469	7/26/2016	Still in use	Cupboard Creek Protection	850.465	NS	NA	8.50	2.00	17.20	NA	NA	NA	13.60	16.10	NA	NA	2.50
VAS-20	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	827.789	NS	NA	8.50	2.00	47.60	NA	NA	NA	44.60	47.10	NA	NA	2.50
VAS-21	Mobile B57 HSA	SCHE03020469	7/19/2016	Still in use	Brown's Creek Protection	826.304	NS	NA	8.50	2.00	53.50	NA	NA	NA	50.00	52.50	NA	NA	2.50
VAS-22	Mobile B57 HSA	SCHE03020469	7/21/2016	Still in use	Brown's Creek Protection	827.394	NS	NA	8.50	2.00	57.00	NA	NA	NA	53.50	56.00	NA	NA	2.50
VAS-23	Mobile B57 HSA	SCHE03020469	7/22/2016	Still in use	Brown's Creek Protection	827.211	NS	NA	8.50	2.00	49.50	NA	NA	NA	46.00	48.50	NA	NA	2.50
VAS-24	Mobile B57 HSA	SCHE03020469	7/5/2016	Still in use	Brown's Creek Protection	826.803	NS	NA	8.50	2.00	58.50	NA	NA	NA	55.00	57.50	NA	NA	2.50
VAS-25	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	826.411	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-26	Mobile B57 HSA	SCHE03020469	7/11/2016	Still in use	Brown's Creek Protection	825.180	NS	NA	8.50	2.00	55.00	NA	NA	NA	51.50	54.00	NA	NA	2.50
VAS-27	Mobile B57 HSA	SCHE03020469	7/8/2016	Still in use	Brown's Creek Protection	826.369	NS	NA	8.50	2.00	54.00	NA	NA	NA	50.50	53.00	NA	NA	2.50
VAS-28	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	828.930	NS	NA	8.50	2.00	23.10	NA	NA	NA	19.80	22.30	NA	NA	2.50
VAS-29	Mobile B57 HSA	SCHE03020469	7/6/2016	Still in use	Brown's Creek Protection	832.025	NS	NA	8.50	2.00	27.50	NA	NA	NA	24.00	26.50	NA	NA	2.50
VAS-30	Mobile B57 HSA	SCHE03020469	6/21/2016	Still in use	Brown's Creek Protection	831.485	NS	NA	8.50	2.00	52.90	NA	NA	NA	49.40	51.90	NA	NA	2.50

Table 4. Well Construction Information

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

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

Notes:

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

bgs = below ground surface

BTOC = below top of casing

DPT = direct push

ft = feet

HSA = hollow-stem auger

in = inches

NA = not applicable

NS = location not surveyed

RNE = Refusal not encountered

TOC = top of casing

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-01					853.07			-	-	-
	12/27/2017	-	8.01	-		845.06	-	-	-	-
	12/4/2017	-	9.85	-		843.22	-	-	-	-
MW-01B					852.99			-	-	-
	12/27/2017	-	10.45	-		842.54	-	-	-	-
	12/4/2017	-	10.24	-		842.75	-	-	-	-
MW-02					841.04			-	-	-
	12/27/2017	-	9.50	-		831.54	-	-	-	-
	12/4/2017	-	2.54	-		838.50	-	-	-	-
MW-02B					841.19			-	-	-
	12/27/2017	-	16.41	-		824.78	-	-	-	-
	12/4/2017	-	24.56	-		816.63	-	-	-	-
MW-03					838.36			-	-	-
	12/27/2017	-	14.80	-		823.56	-	-	-	-
	12/4/2017	-	18.00	-		820.36	-	-	-	-
MW-04					844.42			-	-	-
	12/27/2017	-	10.20	-		834.22	-	-	-	-
	12/4/2017	-	10.07	-		834.35	-	-	-	-
MW-05					851.11			-	-	-
	12/27/2017	-	16.40	-		834.71	-	-	-	-
	12/4/2017	-	16.55	-		834.56	-	-	-	-
MW-06					852.92			-	-	-
	12/27/2017	-	15.30	-		837.62	-	-	-	-
	12/4/2017	-	15.45	-		837.47	-	-	-	-
MW-06B					852.57			-	-	-
	12/27/2017	-	15.13	-		837.44	-	-	-	-
	12/4/2017	-	16.14	-		836.43	-	-	-	-
MW-07					853.02			-	-	-
	12/27/2017	-	13.17	-		839.85	-	-	-	-
	12/4/2017	-	13.21	-		839.81	-	-	-	-
MW-08					844.72			-	-	-
	12/27/2017	11.60	11.61	0.01		833.11	833.12	-	-	-
	12/4/2017	-	10.47	-		834.25	-	-	-	-
MW-09					843.63			-	-	-
	12/27/2017	-	6.20	-		837.43	-	-	-	-
	12/4/2017	-	3.05	-		840.58	-	-	-	-
MW-09B					843.92			-	-	-
	12/27/2017	-	17.40	-		826.52	-	-	-	-
	12/4/2017	-	9.15	-		834.77	-	-	-	-
MW-10					845.41			-	-	-
	12/27/2017	-	13.71	-		831.70	-	-	-	-
	12/4/2017	-	10.85	-		834.56	-	-	-	-
MW-11					855.63			-	-	-
	12/27/2017	30.02	30.45	0.43		825.18	825.49	-	-	-
	12/4/2017	29.72	29.86	0.14		825.77	825.87	-	-	-
MW-12					834.53			-	-	-
	12/27/2017	-	14.53	-		820.00	-	-	-	-
	12/4/2017	-	15.55	-		818.98	-	-	-	-
MW-12B					834.98			-	-	-
	12/27/2017	-	15.04	-		819.94	-	-	-	-
	12/4/2017	-	16.12	-		818.86	-	-	-	-
MW-13					848.84			-	-	-
	12/27/2017	-	21.85	-		826.99	-	-	-	-
	12/4/2017	-	21.87	-		826.97	-	-	-	-
MW-13B					849.82			-	-	-
	12/27/2017	-	23.41	-		826.41	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-13B (cont'd)	12/4/2017	-	22.66	-		827.16	-	-	-	-
MW-14					838.70			-	-	-
	12/27/2017	-	17.50	-		821.20	-	-	-	-
	12/4/2017	-	17.62	-		821.08	-	-	-	-
MW-14B					840.20			-	-	-
	12/27/2017	-	19.06	-		821.14	-	-	-	-
	12/4/2017	-	19.22	-		820.98	-	-	-	-
MW-15					831.03			-	-	-
	12/27/2017	14.01	14.02	0.01		817.01	817.02	-	-	-
	12/4/2017	-	13.66	-		817.37	-	-	-	-
MW-15B					831.29			-	-	-
	12/27/2017	-	15.90	-		815.39	-	-	-	-
	12/4/2017	-	16.25	-		815.04	-	-	-	-
MW-16					847.67			-	-	-
	12/27/2017	-	10.60	-		837.07	-	-	-	-
	12/4/2017	-	7.00	-		840.67	-	-	-	-
MW-17					855.35			-	-	-
	12/27/2017	-	16.85	-		838.50	-	-	-	-
	12/4/2017	-	10.85	-		844.50	-	-	-	-
MW-17B					855.37			-	-	-
	12/27/2017	-	16.90	-		838.47	-	-	-	-
	12/4/2017	-	17.05	-		838.32	-	-	-	-
MW-18					846.89			-	-	-
	12/27/2017	-	12.60	-		834.29	-	-	-	-
	12/4/2017	11.61	11.64	0.03		835.25	835.27	-	-	-
MW-19					853.94			-	-	-
	12/27/2017	-	11.75	-		842.19	-	-	-	-
	12/4/2017	-	11.77	-		842.17	-	-	-	-
MW-20					852.89			-	-	-
	12/27/2017	13.15	13.50	0.35		839.39	839.64	-	-	-
	12/4/2017	13.30	14.64	**1.34**		838.25	839.22	-	-	-
MW-21					855.77			-	-	-
	12/27/2017	-	17.17	-		838.60	-	-	-	-
	12/4/2017	-	17.42	-		838.35	-	-	-	-
MW-22					854.60			-	-	-
	12/27/2017	-	DRY	-		-	-	-	-	-
	12/4/2017	-	9.99	-		844.61	-	-	-	-
MW-23					849.57			-	-	-
	12/27/2017	-	10.81	-		838.76	-	-	-	-
	12/4/2017	-	11.13	-		838.44	-	-	-	-
MW-23B					849.69			-	-	-
	12/27/2017	-	11.45	-		838.24	-	-	-	-
	12/4/2017	-	11.45	-		838.24	-	-	-	-
MW-24					817.92			-	-	-
	12/27/2017	-	4.50	-		813.42	-	-	-	-
	12/4/2017	-	4.51	-		813.41	-	-	-	-
MW-24B					818.72			-	-	-
	12/27/2017	-	5.58	-		813.14	-	-	-	-
	12/4/2017	-	5.69	-		813.03	-	-	-	-
MW-25					826.18			-	-	-
	12/27/2017	-	8.69	-		817.49	-	-	-	-
	12/4/2017	-	7.10	-		819.08	-	-	-	-
MW-25B					823.81			-	-	-
	12/27/2017	-	5.25	-		818.56	-	-	-	-
	12/4/2017	-	5.30	-		818.51	-	-	-	-
MW-26					847.56			-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-26 (cont'd)	12/27/2017	-	6.35	-		841.21	-	-	-	-
	12/4/2017	-	6.83	-		840.73	-	-	-	-
MW-26B					847.81			-	-	-
	12/27/2017	-	9.34	-		838.47	-	-	-	-
	12/4/2017	-	9.17	-		838.64	-	-	-	-
MW-27					854.11			-	-	-
	12/27/2017	-	27.40	-		826.71	-	-	-	-
	12/4/2017	-	27.46	-		826.65	-	-	-	-
MW-27B					857.14			-	-	-
	12/27/2017	-	30.71	-		826.43	-	-	-	-
	12/4/2017	-	30.70	-		826.44	-	-	-	-
MW-28					844.31			-	-	-
	12/27/2017	-	24.55	-		819.76	-	-	-	-
	12/4/2017	-	23.94	-		820.37	-	-	-	-
MW-29					852.20			-	-	-
	12/27/2017	-	10.06	-		842.14	-	-	-	-
	12/4/2017	-	10.39	-		841.81	-	-	-	-
MW-30					841.28			-	-	-
	12/27/2017	-	14.55	-		826.73	-	-	-	-
	12/4/2017	-	14.47	-		826.81	-	-	-	-
MW-31					845.04			-	-	-
	12/27/2017	-	22.35	-		822.69	-	-	-	-
	12/4/2017	-	20.05	-		824.99	-	-	-	-
MW-31B					844.94			-	-	-
	12/27/2017	-	21.10	-		823.84	-	-	-	-
MW-32					842.93			-	-	-
	12/27/2017	-	18.85	-		824.08	-	-	-	-
	12/4/2017	-	10.02	-		832.91	-	-	-	-
MW-33					849.20			-	-	-
	12/27/2017	-	26.35	-		822.85	-	-	-	-
MW-33T					849.11			-	-	-
	12/27/2017	-	27.60	-		821.51	-	-	-	-
	12/4/2017	-	27.12	-		821.99	-	-	-	-
MW-34					816.35			-	-	-
	12/27/2017	-	2.43	-		813.92	-	-	-	-
	12/4/2017	-	2.52	-		813.83	-	-	-	-
MW-35					829.40			-	-	-
	12/27/2017	-	8.62	-		820.78	-	-	-	-
	12/4/2017	-	10.41	-		818.99	-	-	-	-
MW-36					858.47			-	-	-
	12/27/2017	-	19.98	-		838.49	-	-	-	-
	12/4/2017	-	20.14	-		838.33	-	-	-	-
MW-36B					858.15			-	-	-
	12/27/2017	-	19.68	-		838.47	-	-	-	-
	12/4/2017	-	20.90	-		837.25	-	-	-	-
MW-37					813.92			-	-	-
	12/27/2017	-	3.41	-		810.51	-	-	-	-
	12/4/2017	-	3.47	-		810.45	-	-	-	-
MW-38					813.28			-	-	-
	12/27/2017	-	1.91	-		811.37	-	-	-	-
	12/4/2017	-	2.01	-		811.27	-	-	-	-
MW-39					819.90			-	-	-
	12/27/2017	-	5.39	-		814.51	-	-	-	-
	12/4/2017	-	5.72	-		814.18	-	-	-	-
MW-40					817.79			-	-	-
	12/27/2017	-	2.72	-		815.07	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
MW-40 (cont'd)	12/4/2017	-	3.43	-		814.36	-	-	-	-
MW-41					819.68			-	-	-
	12/27/2017	-	4.47	-		815.21	-	-	-	-
	12/4/2017	-	5.55	-		814.13	-	-	-	-
MW-42					820.33			-	-	-
	12/27/2017	-	5.14	-		815.19	-	-	-	-
	12/4/2017	-	5.26	-		815.07	-	-	-	-
MW-43					818.12			-	-	-
	12/27/2017	-	4.30	-		813.82	-	-	-	-
	12/4/2017	-	4.50	-		813.62	-	-	-	-
MW-43B					818.80			-	-	-
	12/27/2017	-	2.12	-		816.68	-	-	-	-
	12/4/2017	-	4.08	-		814.72	-	-	-	-
MW-44					853.67			-	-	-
	12/27/2017	-	9.38	-		844.29	-	-	-	-
	12/4/2017	-	9.40	-		844.27	-	-	-	-
MW-44B					853.38			-	-	-
	12/27/2017	-	14.55	-		838.83	-	-	-	-
	12/4/2017	-	14.32	-		839.06	-	-	-	-
MW-45					852.47			-	-	-
	12/27/2017	-	15.88	-		836.59	-	-	-	-
	12/4/2017	-	14.22	-		838.25	-	-	-	-
MW-45B					852.85			-	-	-
	12/27/2017	-	9.11	-		843.74	-	-	-	-
	12/4/2017	-	15.93	-		836.92	-	-	-	-
MW-46					845.47			11/9/2017	11:40	11:45
	12/27/2017	-	9.11	-		836.36	-	-	-	-
	12/4/2017	-	9.48	-		835.99	-	-	-	-
MW-47					842.98			-	-	-
	12/27/2017	-	19.92	-		823.06	-	-	-	-
	12/4/2017	-	17.75	-		825.23	-	-	-	-
MW-48B					832.34			11/9/2017	11:30	11:35
	12/27/2017	-	18.17	-		814.17	-	-	-	-
	12/4/2017	-	18.22	-		814.12	-	-	-	-
MW-49					846.78			-	-	-
	12/27/2017	-	20.18	-		826.60	-	-	-	-
	12/4/2017	-	20.29	-		826.49	-	-	-	-
MW-50B					850.34			-	-	-
	12/27/2017	-	23.82	-		826.52	-	-	-	-
	12/4/2017	-	21.37	-		828.97	-	-	-	-
RS-01					849.13			-	-	-
	12/27/2017	13.58	14.00	0.42		835.13	835.44	1/2/2018	10:23	10:28
RS-02					849.52			-	-	-
	12/27/2017	12.11	12.15	0.04		837.37	837.40	-	-	-
RS-04					851.47			-	-	-
	12/27/2017	-	9.75	-		841.72	-	-	-	-
RS-05					848.31			-	-	-
	12/27/2017	12.50	13.15	**0.65**		835.16	835.63	1/2/2018	10:16	10:21
RS-06					849.47			-	-	-
	12/27/2017	-	12.21	-		837.26	-	-	-	-
RS-07					855.08			-	-	-
	12/27/2017	-	14.06	-		841.02	-	-	-	-
	12/21/2017	-	14.17	0.01		840.91	840.92	12/22/2017	10:15	10:20
	12/13/2017	14.07	14.08	0.01		841.00	841.01	12/14/2017	10:05	10:10
	12/7/2017	14.11	14.12	0.01		840.96	840.97	-	-	-
	12/1/2017	-	14.05	-		841.03	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
RS-08					854.00			-	-	-
	12/27/2017	14.90	15.00	0.10		839.00	839.07	1/2/2018	13:15	13:20
	12/21/2017	15.03	15.16	0.13		838.84	838.93	11/9/2017	11:15	11:20
	12/13/2017	14.94	15.02	0.08		838.98	839.04	12/14/2017	10:15	10:20
	12/7/2017	15.05	15.20	0.15		838.80	838.91	12/7/2017	9:40	9:45
	12/1/2017	14.83	14.95	0.12		839.05	839.14	-	-	-
RS-09					847.60			-	-	-
	12/27/2017	-	14.13	-		833.47	-	11/9/2017	11:10	11:15
RS-10					847.42			-	-	-
	12/27/2017	10.05	10.15	0.10		837.27	837.34	-	-	-
RS-11					847.44			-	-	-
	12/27/2017	-	9.00	-		838.44	-	-	-	-
RS-12					847.74			11/9/2017	11:05	11:10
	12/27/2017	-	9.20	-		838.54	-	-	-	-
RS-13					845.98			-	-	-
	12/27/2017	-	14.34	-		831.64	-	-	-	-
RS-14					845.97			-	-	-
	12/27/2017	7.47	7.49	0.02		838.48	838.49	-	-	-
RS-15					846.41			-	-	-
	12/27/2017	-	6.99	-		839.42	-	-	-	-
RS-16					845.44			-	-	-
	12/27/2017	-	6.80	-		838.64	-	-	-	-
RS-17					844.22			-	-	-
	12/27/2017	6.38	6.39	0.01		837.83	837.84	-	-	-
RS-18					847.89			-	-	-
	12/27/2017	-	15.92	-		831.97	-	-	-	-
RS-20					842.69			-	-	-
	12/27/2017	-	6.55	-		836.14	-	-	-	-
RT-1A					854.06			-	-	-
	12/27/2017	14.62	14.65	0.03		839.41	839.43	1/2/2018	13:20	13:25
	12/21/2017	14.82	14.87	0.05		839.19	839.23	12/22/2017	9:45	9:50
	12/13/2017	14.77	14.82	0.05		839.24	839.28	12/14/2017	9:35	9:40
	12/7/2017	15.03	15.12	0.09		838.94	839.01	12/7/2017	9:00	9:05
	12/1/2017	14.74	14.84	0.10		839.22	839.29	-	-	-
RT-1B					854.15			-	-	-
	12/27/2017	14.59	14.62	0.03		839.53	839.55	1/2/2018	13:25	13:30
	12/21/2017	14.77	14.82	0.05		839.33	839.37	12/22/2017	9:55	10:00
	12/13/2017	14.72	14.77	0.05		839.38	839.42	12/14/2017	9:45	9:50
	12/7/2017	14.99	15.08	0.09		839.07	839.14	12/7/2017	9:10	9:15
	12/1/2017	14.71	14.79	0.08		839.36	839.42	-	-	-
RT-1C					854.55			-	-	-
	12/27/2017	15.17	15.20	0.03		839.35	839.37	1/2/2018	13:30	13:35
	12/21/2017	15.36	15.41	0.05		839.14	839.18	12/22/2017	10:00	10:05
	12/13/2017	15.31	15.36	0.05		839.19	839.23	12/14/2017	9:55	10:00
	12/7/2017	15.57	15.66	0.09		838.89	838.96	12/7/2017	9:20	9:25
	12/1/2017	15.30	15.37	0.07		839.18	839.23	-	-	-
RT-2A					817.48			-	-	-
	12/27/2017	-	1.05	-		816.43	-	1/2/2018	12:05	12:10
	12/21/2017	-	0.84	-		816.64	-	-	-	-
	12/13/2017	-	1.00	-		816.48	-	-	-	-
	12/7/2017	-	1.23	-		816.25	-	12/7/2017	11:00	11:05
	12/1/2017	-	1.18	-		816.30	-	-	-	-
RT-2B					817.61			-	-	-
	12/27/2017	-	1.20	-		816.41	-	1/2/2018	12:10	12:15
	12/21/2017	-	1.00	-		816.61	-	12/22/2017	11:30	11:35
	12/13/2017	1.15	1.16	0.01		816.45	816.46	12/14/2017	11:15	11:20

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
RT-2B (cont'd)	12/7/2017	1.35	1.36	0.01		816.25	816.26	12/7/2017	11:10	11:15
	12/1/2017	-	1.77	-		815.84	-	-	-	-
RT-2C					818.06			-	-	-
	12/27/2017	-	1.63	-		816.43	-	1/2/2018	12:15	12:20
	12/21/2017	-	1.46	-		816.60	-	-	-	-
	12/13/2017	-	1.60	-		816.46	-	-	-	-
	12/7/2017	-	1.81	-		816.25	-	11/9/2017	9:10	9:15
	12/1/2017	-	1.83	-		816.23	-	-	-	-
RT-2D					818.12			-	-	-
	12/27/2017	-	1.71	-		816.41	-	1/2/2018	12:20	12:25
	12/21/2017	-	1.53	-		816.59	-	12/22/2017	11:40	11:45
	12/13/2017	1.67	1.68	0.01		816.44	816.45	11/9/2017	9:15	9:20
	12/7/2017	-	1.88	-		816.24	-	-	-	-
	12/1/2017	-	1.93	-		816.19	-	-	-	-
RT-2E					818.25			-	-	-
	12/27/2017	-	1.82	-		816.43	-	1/2/2018	12:25	12:30
	12/21/2017	-	1.63	-		816.62	-	-	-	-
	12/13/2017	-	NM	-		-	-	-	-	-
	12/7/2017	-	1.99	-		816.26	-	12/7/2017	11:30	11:35
	12/1/2017	-	2.28	-		815.97	-	-	-	-
RT-2F					818.57			-	-	-
	12/27/2017	-	2.15	-		816.42	-	1/2/2018	12:30	12:35
	12/21/2017	-	1.97	-		816.60	-	11/9/2017	10:50	10:55
	12/13/2017	2.12	2.13	0.01		816.44	816.45	12/14/2017	11:35	11:40
	12/7/2017	-	2.33	-		816.24	-	12/7/2017	11:35	11:40
	12/1/2017	-	2.43	-		816.14	-	-	-	-
RT-2G					820.07			-	-	-
	12/27/2017	-	4.25	-		815.82	-	11/9/2017	10:40	10:45
	12/21/2017	-	3.62	-		816.45	-	-	-	-
	12/13/2017	-	4.43	-		815.64	-	-	-	-
	12/7/2017	-	3.82	-		816.25	-	12/7/2017	11:40	11:45
	12/1/2017	-	0.39	-		819.68	-	-	-	-
RT-2I					819.51			11/9/2017	10:30	10:35
	12/27/2017	-	3.12	-		816.39	-	1/2/2018	12:40	12:45
	12/21/2017	-	3.39	-		816.12	-	-	-	-
	12/13/2017	-	2.82	-		816.69	-	-	-	-
	12/7/2017	-	3.60	-		815.91	-	12/7/2017	11:50	11:55
	12/1/2017	-	3.12	-		816.39	-	11/9/2017	9:35	9:40
RT-2J					817.63			-	-	-
	12/27/2017	-	1.41	-		816.22	-	1/2/2018	12:45	12:50
	12/21/2017	2.09	2.10	0.01		815.53	815.54	-	-	-
	12/13/2017	-	1.11	-		816.52	-	-	-	-
	12/7/2017	2.44	2.45	0.01		815.18	815.19	12/7/2017	11:55	12:00
	12/1/2017	-	0.65	-		816.98	-	-	-	-
RT-2K					817.40			-	-	-
	12/27/2017	1.24	1.25	0.01		816.15	816.16	1/2/2018	12:50	12:55
	12/21/2017	-	NM	-		-	-	-	-	-
	12/13/2017	-	NM	-		-	-	11/9/2017	9:30	9:35
	12/7/2017	-	NM	-		-	-	12/7/2017	12:00	12:05
	12/1/2017	-	NM	-		-	-	-	-	-
RT-2L					819.54			-	-	-
	12/27/2017	-	2.25	-		817.29	-	1/2/2018	12:55	13:00
	12/21/2017	-	2.34	-		817.20	-	-	-	-
	12/13/2017	-	2.36	-		817.18	-	-	-	-
	12/7/2017	2.66	2.67	0.01		816.87	816.88	12/7/2017	12:05	12:10
	12/1/2017	-	2.60	-		816.94	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
RW-01					851.92			-	-	-
	12/27/2017	-	12.54	-		839.38	-	-	-	-
RW-02					852.69			-	-	-
	12/27/2017	23.51	24.10	**0.59**		828.59	829.02	1/2/2018	10:58	11:03
RW-03					852.34			-	-	-
	12/27/2017	24.20	24.25	0.05		828.09	828.13	-	-	-
RW-04					853.93			-	-	-
	12/27/2017	29.77	30.35	**0.58**		823.58	824.01	1/2/2018	11:09	11:14
	12/21/2017	24.34	24.93	**0.59**		829.00	829.43	12/22/2017	10:40	10:45
	12/13/2017	29.44	29.84	0.40		824.09	824.38	12/14/2017	10:35	10:40
	12/7/2017	29.46	29.77	0.31		824.16	824.39	12/7/2017	10:15	10:20
	12/1/2017	29.49	29.67	0.18		824.26	824.39	-	-	-
RW-05					853.53			-	-	-
	12/27/2017	32.78	33.95	**1.17**		819.58	820.44	1/2/2018	11:23	11:28
	12/21/2017	32.85	34.19	**1.34**		819.34	820.32	12/22/2017	10:55	11:00
	12/13/2017	32.83	33.83	**1.00**		819.70	820.43	12/14/2017	10:45	10:50
	12/7/2017	33.01	33.71	**0.70**		819.82	820.33	12/7/2017	10:25	10:30
	12/1/2017	33.32	33.69	0.37		819.84	820.11	-	-	-
RW-06					846.21			-	-	-
	12/27/2017	-	26.27	-		819.94	-	-	-	-
	12/21/2017	27.22	27.23	0.01		818.98	818.99	-	-	-
	12/13/2017	-	26.10	-		820.11	-	-	-	-
	12/7/2017	27.27	27.28	0.01		818.93	818.94	-	-	-
	12/1/2017	-	27.18	-		819.03	-	-	-	-
RW-07					843.19			-	-	-
	12/27/2017	22.85	22.87	0.02		820.32	820.34	1/2/2018	11:40	11:45
	12/21/2017	24.25	24.27	0.02		818.92	818.94	12/22/2017	11:05	11:10
	12/13/2017	22.87	22.88	0.01		820.31	820.32	12/14/2017	10:50	10:55
	12/7/2017	24.35	24.38	0.03		818.81	818.83	12/7/2017	10:45	10:50
	12/1/2017	23.46	23.47	0.01		819.72	819.73	-	-	-
RW-08					835.48			-	-	-
	12/27/2017	15.79	15.80	0.01		819.68	819.69	1/2/2018	11:48	11:53
	12/21/2017	17.81	17.83	0.02		817.65	817.66	12/22/2017	11:15	11:20
	12/13/2017	15.89	15.90	0.01		819.58	819.59	12/14/2017	11:00	11:05
	12/7/2017	-	17.94	-		817.54	-	-	-	-
	12/1/2017	-	16.29	-		819.19	-	-	-	-
RW-09					835.12			-	-	-
	12/27/2017	-	13.81	-		821.31	-	-	-	-
	12/21/2017	-	14.71	-		820.41	-	-	-	-
	12/13/2017	-	13.85	-		821.27	-	-	-	-
	12/7/2017	-	14.85	-		820.27	-	-	-	-
	12/1/2017	-	13.57	-		821.55	-	-	-	-
RW-10					848.53			-	-	-
	12/27/2017	-	11.20	-		837.33	-	-	-	-
RW-11					852.97			-	-	-
	12/27/2017	-	13.70	-		839.27	-	-	-	-
	12/21/2017	-	14.70	-		838.27	-	-	-	-
	12/13/2017	-	14.90	-		838.07	-	-	-	-
	12/7/2017	-	14.69	-		838.28	-	-	-	-
	12/1/2017	-	14.83	-		838.14	-	-	-	-
RW-12					854.49			-	-	-
	12/27/2017	-	16.00	-		838.49	-	-	-	-
	12/21/2017	-	16.00	-		838.49	-	-	-	-
	12/13/2017	-	16.03	-		838.46	-	-	-	-
	12/7/2017	-	15.98	-		838.51	-	-	-	-
	12/1/2017	-	15.99	-		838.50	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
RW-13					847.97			-	-	-
	12/27/2017	-	NM	-		-	-	-	-	-
RW-14					827.54			-	-	-
	12/27/2017	-	14.51	-		813.03	-	-	-	-
	12/21/2017	-	13.27	-		814.27	-	-	-	-
	12/13/2017	-	14.45	-		813.09	-	-	-	-
	12/7/2017	-	13.65	-		813.89	-	-	-	-
	12/1/2017	-	6.91	-		820.63	-	-	-	-
RW-15					851.64			-	-	-
	12/27/2017	14.62	15.30	**0.68**		836.34	836.83	1/2/2018	10:36	10:41
SW-01					812.82			-	-	-
	12/27/2017	-	(0.90)	-		813.72	-	-	-	-
	12/14/2017	-	(0.80)	-		813.62	-	-	-	-
	12/5/2017	-	(1.00)	-		813.82	-	-	-	-
SW-02					808.65			-	-	-
	12/27/2017	-	(1.60)	-		810.25	-	-	-	-
	12/14/2017	-	(1.60)	-		810.25	-	-	-	-
	12/5/2017	-	(1.60)	-		810.25	-	-	-	-
SW-03					815.09			-	-	-
	12/27/2017	-	(1.74)	-		816.83	-	-	-	-
	12/14/2017	-	(1.71)	-		816.80	-	-	-	-
	12/5/2017	-	(1.78)	-		816.87	-	-	-	-
SW-05					838.75			-	-	-
	12/27/2017	-	NM	-		-	-	-	-	-
	12/14/2017	-	NM	-		-	-	-	-	-
	12/5/2017	-	NM	-		-	-	-	-	-
SW-08					802.04			-	-	-
	12/27/2017	-	(1.08)	-		803.12	-	-	-	-
	12/14/2017	-	(1.15)	-		803.19	-	-	-	-
	12/5/2017	-	(1.15)	-		803.19	-	-	-	-
SW-10					778.09			-	-	-
	12/27/2017	-	(0.45)	-		778.54	-	-	-	-
	12/14/2017	-	(0.88)	-		778.97	-	-	-	-
	12/5/2017	-	(0.88)	-		778.97	-	-	-	-
TW-04R					852.64			-	-	-
	12/27/2017	-	DRY	-		-	-	-	-	-
TW-05R					849.93			-	-	-
	12/27/2017	-	6.52	-		843.41	-	-	-	-
TW-14R					853.37			-	-	-
	12/27/2017	-	DRY	-		-	-	-	-	-
TW-15R					850.62			-	-	-
	12/27/2017	-	3.92	-		846.70	-	-	-	-
TW-21					849.70			-	-	-
	12/27/2017	-	4.50	-		845.20	-	-	-	-
TW-28					851.42			-	-	-
	12/27/2017	23.10	23.70	**0.60**		827.72	828.16	-	-	-
TW-30					851.81			-	-	-
	12/27/2017	-	22.15	-		829.66	-	-	-	-
TW-34					854.79			-	-	-
	12/27/2017	-	22.21	-		832.58	-	-	-	-
TW-35					854.10			-	-	-
	12/27/2017	-	22.70	-		831.40	-	-	-	-
TW-40					853.35			-	-	-
	12/27/2017	-	28.95	-		824.40	-	-	-	-
TW-41					849.38			-	-	-
	12/27/2017	-	27.65	-		821.73	-	-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
TW-42					846.84			-	-	-
	12/27/2017	26.10	26.55	0.45		820.29	820.62	-	-	-
TW-45					848.31			-	-	-
	12/27/2017	27.65	27.76	0.11		820.55	820.63	-	-	-
TW-55					845.93			-	-	-
	12/27/2017	-	14.00	-		831.93	-	-	-	-
	12/4/2017	-	5.48	-		840.45	-	-	-	-
TW-59					834.78			-	-	-
	12/27/2017	-	12.20	-		822.58	-	-	-	-
	12/4/2017	-	15.81	-		818.97	-	-	-	-
TW-60					828.03			-	-	-
	12/27/2017	-	10.90	-		817.13	-	-	-	-
	12/4/2017	-	10.27	-		817.76	-	-	-	-
TW-64					845.88			-	-	-
	12/27/2017	-	19.61	-		826.27	-	-	-	-
	12/4/2017	-	17.45	-		828.43	-	-	-	-
TW-65					845.62			-	-	-
	12/27/2017	-	22.82	-		822.80	-	-	-	-
TW-66					820.31			-	-	-
	12/27/2017	-	3.03	-		817.28	-	-	-	-
	12/4/2017	-	3.32	-		816.99	-	-	-	-
TW-67					852.71			-	-	-
	12/27/2017	-	9.00	-		843.71	-	-	-	-
	12/4/2017	-	12.48	-		840.23	-	-	-	-
TW-68					846.45			-	-	-
	12/27/2017	-	23.90	-		822.55	-	-	-	-
TW-69					840.27			-	-	-
	12/27/2017	-	17.75	-		822.52	-	-	-	-
TW-70					841.95			-	-	-
	12/27/2017	-	19.36	-		822.59	-	-	-	-
TW-73					850.53			-	-	-
	12/27/2017	-	6.00	-		844.53	-	-	-	-
	12/4/2017	-	3.30	-		847.23	-	-	-	-
TW-76					852.44			-	-	-
	12/27/2017	-	14.55	-		837.89	-	-	-	-
TW-81					849.43			-	-	-
	12/27/2017	-	4.21	-		845.22	-	-	-	-
TW-82					849.64			-	-	-
	12/27/2017	-	4.32	-		845.32	-	-	-	-
TW-83					850.44			-	-	-
	12/27/2017	-	5.09	-		845.35	-	-	-	-
TW-84					851.22			-	-	-
	12/27/2017	-	5.75	-		845.47	-	-	-	-
TW-85					843.49			-	-	-
	12/27/2017	-	16.10	-		827.39	-	-	-	-
TW-86					853.10			-	-	-
	12/27/2017	-	5.52	-		847.58	-	-	-	-
TW-87					852.25			-	-	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[1,2] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[3] Groundwater Elevation (ft amsl)	Date of Product Evacuation	Start Time	Finish Time
	12/27/2017	-	6.60	-		845.65	-	-	-	-
TW-90					845.43			-	-	-
	12/27/2017	-	7.80	-		837.63	-	-	-	-
TW-94					840.58			-	-	-
	12/27/2017	-	-	-		840.58	-	-	-	-
TW-96					840.40			-	-	-
	12/27/2017	-	14.96	-		825.44	-	-	-	-
	12/4/2017	-	3.00	-		837.40	-	-	-	-

Notes:

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

2. "RS-" and "RT-" features were trimmed to less than 12 inches above ground surface on 3/14/2017. Only the resurveyed top of casing elevation after trimming is displayed. Groundwater elevation calculations are based on the true top of casing elevation at the time of gauging.

3. Calculated based on an oil:water density ratio of 0.73

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

amsl = above mean sea level

BTOC = below top of casing

DRY = well contained no measurable water or product

ft = feet

ID = identification

NM = not measured

The following features are no longer reliable for calculating groundwater elevation:

- RS-19 was damaged on or about January 20, 2017.
- RT-2H was covered over on or about January 17, 2017, due to construction efforts in the vicinity.
- TW-46 was damaged on or about December 8, 2016.

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-01	MW-01-072715	7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-01-012716	1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-01-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01-090717	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01-120517	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-01B	MW-01B-080415	8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-01B-012716	1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-01B-120116	12/1/2016	µg/L	1 U	1 U	**1.4**	**5.6**	1 U	1 U	**1.3**	--
	MW-01B-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-062817-FD	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-090717	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-120517	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-02	MW-02-072715	7/27/2015	µg/L	**4,320**	625 U	**9,670**	**2,460**	5 U[b]	**171**	**74.7**	0.02 U
	MW-02-012616	1/26/2016	µg/L	**9,500**	**1,160**	**25,000**	**6,310**	50 U[b]	**285**	**139**	0.019 U
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-02-062917	6/29/2017	µg/L	**8,040**	**833**	**27,100**	**9,890**	250 U[b]	250 U[b]	1,250 U[b]	--
	MW-02-090817	9/8/2017	µg/L	**2,340**	**181**	**7,120**	**8,510**	50 U[b]	50 U[b]	**389**	--
	MW-02-100417	10/4/2017	µg/L	**3,510**	**306**	**11,900**	**11,200**	50 U[b]	**53.9**	250 U[b]	--
	MW-02-110817	11/8/2017	µg/L	**850**	100 U	**1,370**	**3,520**	100 U[b]	100 U[b]	500 U[b]	--
	MW-02-120717	12/7/2017	µg/L	**153**	**15.1**	**313**	**441**	1 U	**70.9**	**12.8**	--
MW-02B	MW-02B-080415	8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-02B-D-080415	8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-02B-030116	3/1/2016	µg/L	1 U	1 U	**4.8**	**4.6**	1 U	1 U	1 U	0.019 U
	MW-02B-D-030116	3/1/2016	µg/L	1 U	1 U	**4.8**	**5.3**	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-02B-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-120717	12/7/2017	µg/L	1 U	1 U	**1.11**	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-03	MW-03-072715	7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-03-012516	1/25/2016	µg/L	**108**	**20.1**	**958**	**598**	1 U	1 U	**11.1**	0.02 U
	MW-03-120616	12/6/2016	µg/L	**61.1**	**25.1**	**229**	**330**	2 U	2 U	**3.6**	--
	MW-03-062917	6/29/2017	µg/L	**10.9**	1 U	**24.6**	**6.98**	1 U	**2.34**	5 U	--
	--	9/5/2017	--	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS
	--	10/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-03-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-03-120517	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-04	MW-04-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-04-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-04-120616	12/6/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-04-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-04-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-04-090817-DUP	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-04-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-05	MW-05-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-05-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-05-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-06	MW-06-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-06-012116	1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-06-120216	12/2/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-06-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-06-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-06-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-06B	MW-06B-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-06B-D-120717	12/7/2017	µg/L	1 U	1 U	**1.82**	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-07	--	7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-07-012116	1/21/2016	µg/L	**1,060**	**389**	**5,210**	**2,620**	40 U[b]	40 U[b]	40 U[b]	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-07-062917	6/29/2017	µg/L	**4,290**	**629**	**17,700**	**4,990**	250 U[b]	250 U[b]	1,250 U[b]	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-08	MW-08-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-08-012616	1/26/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-08-120616	12/6/2016	µg/L	1 U	1 U	**14.4**	**7.1**	1 U	1 U	1 U	--
	MW-08-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-08-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-08-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-09	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-09-062917	6/29/2017	µg/L	**3,860**	**517**	**13,000**	**8,680**	200 U[b]	200 U[b]	1,000 U[b]	--
	--	9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-09-120717	12/7/2017	µg/L	**54.3**	**3.44**	**19.6**	**64.8**	1 U	**27.5**	5 U	--
MW-09B	MW-09B-120717	12/7/2017	µg/L	**21.8**	**24.7**	**82.1**	**179**	1 U	**4.72**	**11.9**	--
MW-10	MW-10-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-10-012616	1/26/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-10-120616	12/6/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-10-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-050317-FD	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-11	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-11-012616	1/26/2016	µg/L	**10,600**	**948**	**24,400**	**4,700**	10 U[b]	**432**	**123**	0.019 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-11-062817	6/28/2017	µg/L	**10,900**	**2,140**	**29,600**	**11,700**	100 U[b]	**147**	500 U[b]	--
	--	9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
MW-12	MW-12-072815	7/28/2015	µg/L	**51.3**	5 U	**22.9**	**39.2**	5 U[b]	5 U	5 U	0.02 U
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/13/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/20/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/31/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	4/6/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-12-062817	6/28/2017	µg/L	**1,190**	**467**	**7,910**	**5,100**	50 U[b]	50 U[b]	250 U[b]	--
	MW-12-090817	9/8/2017	µg/L	**648**	**436**	**3,470**	**4,440**	100 U[b]	100 U[b]	500 U[b]	--
	MW-12-120617	12/6/2017	µg/L	**367**	**137**	**1,540**	**4,660**	10 U[b]	10 U	**54.4**	--
MW-12B	MW-12B-012616	1/26/2016	µg/L	**228**	**31.4**	**193**	**532**	1 U	**5.4**	**14.6**	0.019 U
	MW-12B-113016	11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-12B-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-031417-FD	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-062817	6/28/2017	µg/L	**30.1**	1 U	**7.28**	**14.3**	1 U	**11.8**	5 U	--
	MW-12B-090817	9/8/2017	µg/L	**126**	**3.81**	**16.8**	**256**	1 U	1 U	**12**	--
	MW-12B-120617	12/6/2017	µg/L	**1.01**	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-13	--	7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-13-012816	1/28/2016	µg/L	**2**	1 U	**12.5**	**6.9**	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-13-062917	6/29/2017	µg/L	**1.18**	1 U	**3.39**	3 U	1 U	1 U	5 U	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-13B	MW-13B-012816	1/28/2016	µg/L	**367**	1 U	**5.6**	**59.5**	1 U	**119**	1 U	0.02 U
	MW-13B-D-012816	1/28/2016	µg/L	**405**	1 U	**6.1**	**59.1**	1 U	**108**	1 U	0.02 U
	MW-13B-113016	11/30/2016	µg/L	**550**	**5.1**	**21.2**	**140**	5 U[b]	**158**	**7.9**	--
	MW-13B-062817	6/28/2017	µg/L	**308**	**3.09**	**10.3**	**103**	1 U	**121**	**5.13**	--
	MW-13B-090817	9/8/2017	--	NS-SL	NS-SL	NS-SL	NS-SL	NS-SL	NS-SL	NS-SL	NS-SL
	MW-13B-110817	11/8/2017	µg/L	**325**	**3.42**	**19**	**91.6**	1 U	**173**	**5.55**	--
	MW-13B-D-110817	11/8/2017	µg/L	**356**	**3.85**	**20.8**	**100**	1 U	**168**	**6.61**	--
	MW-13B-120617	12/6/2017	µg/L	**269**	**3.97**	**24.4**	**100**	1 U	**140**	**8.83**	--
MW-14	MW-14-072815	7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-14-012816	1/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-14-113016	11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-14-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-14-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-14-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-14B	MW-14B-052516	5/25/2016	µg/L	**5**	1 U	1 U	**4.4**	1 U	**17.2**	1 U	0.02 U
	MW-14B-052516-FD	5/25/2016	µg/L	**4.6**	1 U	1 U	**4.1**	1 U	**23.6**	1 U	0.02 U
	MW-14B-113016	11/30/2016	µg/L	**10.5**	1 U	**1.1**	**5.5**	1 U	**19.7**	1 U	--
	MW-14B-062817	6/28/2017	µg/L	**38.1**	**1.34**	**2.56**	**19.1**	1 U	**36.2**	5 U	--
	MW-14B-090817	9/8/2017	µg/L	**6.81**	1 U	1 U	**6.67**	1 U	**18.7**	5 U	--
	MW-14B-120617	12/6/2017	µg/L	**8.82**	1 U	1 U	**6.91**	1 U	**24.4**	5 U	--
MW-15	MW-15-080415	8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-15-012816	1/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-15-120716	12/7/2016	µg/L	**3,680**	**139**	**422**	**2,280**	25 U[b]	**188**	**43.8**	--
	MW-15-031417	3/14/2017	µg/L	**1,960**	**72**	**324**	**1,320**	25 U[b]	**161**	125 U[b]	--
	MW-15-031417-FD	3/14/2017	µg/L	**1,820**	**61**	**286**	**1,120**	25 U[b]	**153**	125 U[b]	--
	MW-15-032017	3/20/2017	µg/L	**3,390**	**103**	**505**	**2,460**	50 U[b]	**194**	250 U[b]	--
	MW-15-033117	3/31/2017	µg/L	**2,850**	**65.4**	**444**	**1,860**	20 U[b]	**221**	100 U[b]	--
	MW-15-040617	4/6/2017	µg/L	**1,790**	**60.6**	**465**	**886**	25 U[b]	**181**	125 U[b]	--
	MW-15-062817	6/28/2017	µg/L	**73**	25 U	**29**	**110**	25 U[b]	**91.8**	125 U[b]	--
	MW-15-090817	9/8/2017	µg/L	**454**	**24**	**567**	**338**	5 U[b]	**193**	25 U[b]	--
	MW-15-120617	12/6/2017	µg/L	1 U	1 U	**2**	**5**	1 U	**140**	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-15B	MW-15B-080415	8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-15B-012816	1/28/2016	µg/L	**4.8**	1 U	**2**	**3.9**	1 U	1 U	1 U	0.02 U
	MW-15B-113016	11/30/2016	µg/L	**337**	**34**	**565**	**194**	5 U[b]	**26.7**	**5**	--
	MW-15B-031417	3/14/2017	µg/L	**2,160**	**248**	**4,580**	**1,500**	100 U[b]	**118**	500 U[b]	--
	MW-15B-032017	3/20/2017	µg/L	**615**	**88.6**	**1,270**	**555**	25 U[b]	**67.5**	125 U[b]	--
	MW-15B-033117	3/31/2017	µg/L	**1,630**	**205**	**3,240**	**1,180**	50 U[b]	**115**	250 U[b]	--
	MW-15B-040617	4/6/2017	µg/L	**1,020**	**132**	**2,020**	**789**	25 U[b]	**84.7**	125 U[b]	--
	MW-15B-040617-FD	4/6/2017	µg/L	**973**	**124**	**1,910**	**742**	25 U[b]	**82.9**	125 U[b]	--
	MW-15B-062817	6/28/2017	µg/L	**1,510**	**145**	**3,520**	**1,280**	100 U[b]	100 U[b]	500 U[b]	--
	MW-15B-090817	9/8/2017	µg/L	**1,820**	**164**	**3,560**	**1,210**	50 U[b]	**133**	250 U[b]	--
	MW-15B-120617	12/6/2017	µg/L	**1,760**	**239**	**3,630**	**1,380**	1 U	**135**	**37.6**	--
	MW-15B-D-120617	12/6/2017	µg/L	**491**	**56**	**1,050**	**408**	1 U	**117**	**35.4**	--
MW-16	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-16-062917	6/29/2017	µg/L	**12,900**	**1,770**	**36,400**	**12,500**	500 U[b]	**1,740**	2,500 U[b]	--
	--	9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/7/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
MW-17	--	7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/26/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-17B	MW-17B-030116	3/1/2016	µg/L	**6,480**	**488**	**11,900**	**2,870**	**5**	**742**	**104**	0.019 U
	MW-17B-120116	12/1/2016	µg/L	**9,370**	**761**	**16,900**	**4,500**	100 U[b]	**954**	**112**	--
	MW-17B-031317	3/13/2017	µg/L	**7,350**	**770**	**14,100**	**4,510**	200 U[b]	**944**	1,000 U[b]	--
	MW-17B-032017	3/20/2017	µg/L	**10,700**	**1,360**	**21,400**	**7,910**	**323**	**1,210**	1,000 U[b]	--
	MW-17B-033117	3/31/2017	µg/L	**9,190**	**900**	**17,500**	**5,910**	100 U[b]	**1,200**	500 U[b]	
	MW-17B-033117FD	3/31/2017	µg/L	**9,190**	**956**	**18,200**	**6,330**	100 U[b]	**1,210**	500 U[b]	--
	MW-17B-040617	4/6/2017	µg/L	**7,780**	**833**	**14,900**	**5,330**	200 U[b]	**991**	1,000 U[b]	--
	MW-17B-062817	6/28/2017	µg/L	**11,200**	**704**	**21,600**	**5,650**	200 U[b]	**1,150**	1,000 U[b]	--
	MW-17-090817	9/8/2017	µg/L	**11,400**	**1,240**	**23,900**	**8,460**	20 U[b]	**1,330**	**201**	--
	MW-17B-120717	12/7/2017	µg/L	**10,600**	**1,060**	**14,900**	**9,210**	10 U[b]	**1,140**	**178**	--
MW-18	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	6/26/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
MW-19	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-19-012116	1/21/2016	µg/L	**22.8**	**18.5**	**256**	**437**	1 U	1 U	**10.7**	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
		3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-19-040617	4/6/2017	µg/L	**9,810**	**1,030**	**25,000**	**10,300**	250 U[b]	250 U[b]	1,250 U[b]	--
	MW-19-062917	6/29/2017	µg/L	**9,410**	**683**	**27,200**	**9,580**	200 U[b]	**320**	1,000 U[b]	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-20	--	7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/13/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/20/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/31/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	4/6/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	5/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	6/26/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	7/17/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	8/1/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	10/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/8/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
MW-21	MW-21-072715	7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-21-012116	1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-21-D-012116	1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-21-112916	11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-21-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-032117	3/21/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-062817-FD	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-22	--	7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-22-012116	1/21/2016	µg/L	**19.8**	**3.4**	**47.2**	**37.4**	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-22-062917	6/29/2017	µg/L	**234**	10 U	**125**	30 U	10 U[b]	10 U	50 U[b]	--
	--	7/17/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/1/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-23	MW-23-072715	7/27/2015	µg/L	5 U[b]	5 U	**7.5**	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-23D-072715	7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-23-012016	1/20/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-23-120216	12/2/2016	µg/L	**450**	5 U	**14.6**	**336**	5 U[b]	**46.4**	**5.9**	--
	MW-23-031317	3/13/2017	µg/L	**709**	5 U	**23.1**	**548**	5 U[b]	**127**	25 U[b]	--
	MW-23-032017	3/20/2017	µg/L	**642**	10 U	**12.7**	**579**	10 U[b]	**108**	50 U[b]	--
	MW-23-032017-FD	3/20/2017	µg/L	**620**	10 U	**12.0**	**548**	10 U[b]	**110**	50 U[b]	--
	MW-23-033117	3/31/2017	µg/L	**685**	10 U	**16.5**	**624**	10 U[b]	**130**	50 U[b]	--
	MW-23-040617	4/6/2017	µg/L	**432**	1 U	**6.6**	**254**	1 U	**76.5**	5 U	--
	MW-23-062817	6/28/2017	µg/L	**131**	10 U	10 U	**117**	10 U[b]	**19.1**	5 U	--
	MW-23-071717	7/17/2017	µg/L	**1.2**	1 U	1 U	3 U	1 U	**1** U	5 U	--
	MW-23-080117	8/1/2017	µg/L	**132**	1 U	**6.2**	**252**	1 U	**48.1**	5 U	--
	MW-23-090717	9/7/2017	µg/L	**1,110**	**9.25**	**43.1**	**999**	5 U[b]	**141**	25 U[b]	--
	MW-23-100417	10/4/2017	µg/L	**703**	10 U	**17.5**	**515**	10 U[b]	**90.1**	50 U[b]	--
	MW-23-100417-DUP	10/4/2017	µg/L	**543**	**2.65**	**11.5**	**424**	1 U	**69.2**	5 U	--
	MW-23-110817	11/8/2017	µg/L	**788**	10 U	**21.5**	**580**	10 U[b]	**118**	50 U[b]	--
	MW-23-120617	12/6/2017	µg/L	**693**	10 U	**17.0**	**408**	10 U[b]	**99.5**	50 U[b]	--

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Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-23B	MW-23B-080515	8/5/2015	µg/L	5 U[b]	5 U	**7.0**	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-23B-012016	1/20/2016	µg/L	1 U	1 U	**3.9**	**7.1**	1 U	1 U	1 U	0.02 U
	MW-23B-120216	12/2/2016	µg/L	1 U	**1.4**	**3.5**	**11.0**	1 U	1 U	**1.3**	--
	MW-23B-031317	3/13/2017	µg/L	1 U	**1.11**	**2.63**	**8.86**	1 U	1 U	5 U	--
	MW-23B-032017	3/20/2017	µg/L	1 U	**1.55**	**2.98**	**11.7**	1 U	1 U	5 U	--
	MW-23B-033117	3/31/2017	µg/L	1 U	**1.24**	**2.41**	**8.86**	1 U	1 U	5 U	--
	MW-23B-040617	4/6/2017	µg/L	1 U	**1.21**	**2.41**	**9.23**	1 U	1 U	5 U	--
	MW-23B-062817	6/28/2017	µg/L	1 U	1 U	**1.73**	**6.20**	1 U	1 U	5 U	--
	MW-23B-090717	9/7/2017	µg/L	1 U	1 U	**1.65**	**5.40**	1 U	1 U	5 U	--
	MW-23B-120617	12/6/2017	µg/L	1 U	**1.2**	**2.48**	**7.93**	1 U	1 U	5 U	--
MW-24	MW-24-080515	8/5/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-24-012616	1/26/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-24-120716	12/7/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-24-062817	6/28/2017	µg/L	**28.8**	**3.96**	**1.7**	**22.2**	1 U	1 U	5 U	--
	MW-24-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-24-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-24B	MW-24B-080515	8/5/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-24B-012616	1/26/2016	µg/L	1 U	1 U	**3.3**	**6.8**	1 U	1 U	1 U	0.019 U
	MW-24B-120716	12/7/2016	µg/L	1 U	1 U	**2.9**	**1.6**	1 U	1 U	1 U	--
	MW-24B-062817	6/28/2017	µg/L	**28.9**	**3.89**	**1.77**	**20.7**	1 U	1 U	5 U	--
	MW-24B-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-24B-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

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Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-25	MW-25-012716	1/27/2016	µg/L	**101**	1 U	1 U	**115**	1 U	1 U	**1.8**	0.02 U
	MW-25-012716	12/1/2016	µg/L	**675**	**30.2**	**15.3**	**619**	5 U[b]	**5.9**	**29.7**	--
	MW-25-031417	3/14/2017	µg/L	**627**	**28.6**	**10.1**	**668**	10 U[b]	10 U	50 U[b]	--
	MW-25-032017	3/20/2017	µg/L	**604**	**20.4**	20 U	**680**	20 U[b]	20 U	100 U[b]	--
	MW-25-033117	3/31/2017	µg/L	**673**	**30.1**	**12**	**736**	10 U[b]	10 U	50 U[b]	--
	MW-25-033117FD	3/31/2017	µg/L	**790**	**35.4**	**12.5**	**861**	10 U[b]	10 U	50 U[b]	--
	MW-25-040617	4/6/2017	µg/L	**558**	**24.3**	10 U	**682**	10 U[b]	10 U	50 U[b]	--
	MW-25-050317	5/3/2017	µg/L	**519**	**49.3**	**10.1**	**614**	1 U	1 U	**43.2**	--
	MW-25-062817	6/28/2017	µg/L	**431**	**34.8**	10 U	**520**	10 U[b]	10 U	50 U[b]	--
	MW-25-071717	7/17/2017	µg/L	**230**	**13.4**	10 U	**264**	10 U[b]	10 U	50 U[b]	--
	MW-25-080117	8/1/2017	µg/L	**234**	**14.4**	10 U	**277**	10 U[b]	10 U	50 U[b]	--
	MW-25-090817	9/8/2017	µg/L	**200**	**12.2**	**1.27**	**214**	1 U	1 U	**10.6**	--
	MW-25-100417	10/4/2017	µg/L	**173**	**16.2**	**1.73**	**276**	1 U	**1.1**	**6.77**	--
	MW-25-110817	11/8/2017	µg/L	**82.9**	**7.21**	1 U	**143**	1 U	1 U	**7.74**	--
	MW-25-120617	12/6/2017	µg/L	**23.8**	**1.84**	1 U	**60.5**	1 U	1 U	5 U	--
MW-25B	MW-25B-012716	1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-25B-120116	12/1/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-25B-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-090817-DUP	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

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Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-26	MW-26-012016	1/20/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-26-120116	12/1/2016	µg/L	1 U	1 U	**2.3**	1 U	1 U	1 U	1 U	--
	MW-26-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-040617-FD	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-090717	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-110817	11/8/2017	µg/L	1 U	1 U	**1.17**	3 U	1 U	1 U	5 U	--
	MW-26-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-26B	MW-26B-012016	1/20/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-26B-120116	12/1/2016	µg/L	1 U	1 U	1 U	**1.3**	1 U	1 U	1 U	--
	MW-26B-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-090717	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-090717-DUP	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-27	MW-27-012716	1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-27-062817	6/28/2017	µg/L	**2.69**	**4.06**	**3.88**	**35.9**	1 U	1 U	5 U	--
	MW-27-090817	9/8/2017	µg/L	**4.96**	**5.75**	**2.13**	**14.8**	1 U	1 U	5 U	--
	MW-27-120517	12/5/2017	µg/L	**6.48**	**8.23**	**12.5**	**20.5**	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-27B	MW-27B-051216	5/12/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-27B-120216	12/2/2016	µg/L	1 U	**5.3**	**9.1**	**45.7**	1 U	1 U	**8.9**	--
	MW-27B-062817	6/28/2017	µg/L	1 U	**4.04**	**4.04**	**32.7**	1 U	1 U	**6.09**	--
	MW-27B-090717	9/7/2017	µg/L	1 U	**3.73**	**6.35**	**30.3**	1 U	1 U	**7.54**	--
	MW-27B-120517	12/5/2017	µg/L	1 U	**3.1**	**5.91**	**24.8**	1 U	1 U	**5.81**	--
	MW-27B-D-120517	12/5/2017	µg/L	1 U	**3.96**	**7.24**	**31.6**	1 U	1 U	**7.09**	--
MW-28	MW-28-012716	1/27/2016	µg/L	**542**	**430**	**3,850**	**3,370**	1 U	**4.8**	**96.3**	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-28-031517	3/15/2017	µg/L	**1,120**	**68.9**	**3,350**	**1,370**	50 U[b]	50 U[b]	250 U	--
	--	3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-28-050317	5/3/2017	µg/L	**65.9**	**14.5**	**263**	**1,010**	1 U	**2.94**	**9.33**	--
	MW-28-062817	6/28/2017	µg/L	**199**	**55**	**108**	**546**	1 U	1 U	**10.1**	--
	MW-28-071717	7/17/2017	µg/L	**219**	**64.2**	**85.8**	**422**	1 U	1 U	**14.7**	--
	MW-28-080217	8/2/2017	µg/L	**219**	**48.7**	**52.7**	**187**	1 U	**3.46**	**11.9**	--
	MW-28-090817	9/8/2017	µg/L	**130**	**16.2**	**175**	**388**	1 U	**4.77**	**13.6**	--
	--	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-29	MW-29-012116	1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-29-112916	11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-29-031317	3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-090717	9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-30	MW-30-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-30-050417	5/4/2017	µg/L	**104**	**3.98**	**341**	**161**	1 U	1 U	5 U	--
	MW-30-062917	6/29/2017	µg/L	**646**	25 U	**1,630**	**736**	25 U[b]	25 U	125 U[b]	--
	MW-30-071717	7/17/2017	µg/L	**922**	25 U	**2,050**	**1,320**	25 U[b]	25 U	125 U[b]	--
	MW-30-080217	8/2/2017	µg/L	**1,240**	**25.9**	**1,020**	**2,230**	25 U[b]	25 U	125 U[b]	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-31	MW-31-051016	5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-31-112916	11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-31-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-D-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-31B	MW-31B-051116	5/11/2016	µg/L	1 U	1 U	**2.7**	1 U	1 U	1 U	1 U	0.02 U
MW-32	MW-32-051016	5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-32-120616	12/6/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-32-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-32-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-32-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-33	MW-33-051016	5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
MW-33T	MW-33T-051016	5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-33T-120617	12/6/2017	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-34	MW-34-031517	3/15/2017	--	**978**	**33.0**	**143**	**218**	10 U[b]	**157**	50 U[b]	--
	MW-34-032017	3/20/2017	µg/L	**801**	10.0 U	**113**	**305**	10 U[b]	**149**	50 U[b]	--
	MW-34-033117	3/31/2017	µg/L	**728**	10.0 U	**81.4**	**224**	10 U[b]	**152**	50 U[b]	--
	MW-34-040617	4/6/2017	µg/L	**860**	**1.7**	**58.6**	**181**	1 U	**123**	5 U	--
	MW-34-050317	5/3/2017	µg/L	**287**	**2.62**	**27.2**	**130**	1 U	**124**	5 U	--
	MW-34-062817	6/28/2017	µg/L	**167**	**4.59**	**9.3**	**39.2**	1 U	**68.3**	5 U	--
	MW-34-071717	7/17/2017	µg/L	**137**	**5.83**	**19.8**	**69.5**	1 U	**73.8**	5 U	--
	MW-34-080117	8/1/2017	µg/L	**517**	10 U	**31.7**	**110**	10 U[b]	**98.3**	50 U[b]	--
	MW-34-090817	9/8/2017	µg/L	**1,430**	**6.01**	**98.0**	**264**	1 U	**191**	**7.33**	--
	MW-34-100417	10/4/2017	µg/L	**919**	10 U	**36.8**	**157**	10 U[b]	**151**	50 U[b]	--
	MW-34-100417-DUP	10/4/2017	µg/L	**846**	**1.49**	**40.8**	**186**	1 U	**148**	5 U	--
	MW-34-110817	11/8/2017	µg/L	**338**	10 U	**15.3**	**140**	10 U[b]	**266**	50 U[b]	--
	MW-34-120617	12/6/2017	µg/L	**169**	10 U	**29.7**	**70**	10 U[b]	**218**	50 U[b]	--
MW-35	MW-35-051016	5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-35-120116	12/1/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-35-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-100417	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-36	MW-36-051116	5/11/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-36-112916	11/29/2016	µg/L	**1.3**	1 U	**6.5**	**1.1**	1 U	1 U	1 U	--
	MW-36-D-112916	11/29/2016	µg/L	1 U	1 U	**5.4**	1 U	1 U	1 U	1 U	--
	MW-36-062917	6/29/2017	µg/L	**2.11**	1 U	**2.28**	3 U	1 U	1 U	5 U	--
	MW-36-090817	9/8/2017	µg/L	**4.75**	1 U	**6.16**	**4.62**	1 U	1 U	5 U	--
	MW-36-120717	12/7/2017	µg/L	**17.5**	1 U	**30.2**	**14.4**	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-36B	MW-36B-051116	5/11/2016	µg/L	1 U	1 U	**7.2**	1 U	1 U	1 U	1 U	0.02 U
	MW-36B-112916	11/29/2016	µg/L	1 U	1 U	**1.6**	1 U	1 U	1 U	1 U	--
	MW-36B-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-36B-062917-FD	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-36B-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-36B-120717	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-37	MW-37-113016	11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-37-062817	6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**1.44**	5 U	--
	MW-37-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**1.5**	5 U	--
	MW-37-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**2.93**	5 U	--
MW-38	MW-38-113016	11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	**5.5**	1 U	--
	MW-38-031417	3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**9.14**	5 U	--
	MW-38-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**7.55**	5 U	--
	MW-38-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**10.2**	5 U	--
	MW-38-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**8.06**	5 U	--
	MW-38-050317	5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**9.08**	5 U	--
	MW-38-062817	6/28/2017	µg/L	**9.71**	**1.17**	1 U	**6.63**	1 U	1 U	5 U	--
	MW-38-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**8.59**	5 U	--
	MW-38-071717-FD	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**9.78**	5 U	--
	MW-38-080117	8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**7.25**	5 U	--
	MW-38-090817	9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**12.9**	5 U	--
	MW-38-100417	10/4/2017	µg/L	**1.75**	1 U	1 U	3 U	1 U	**11.2**	5 U	--
	MW-38-110817	11/8/2017	µg/L	**4.48**	1 U	1 U	**12.4**	1 U	**29.2**	5 U	--
	MW-38-120617	12/6/2017	µg/L	**102**	1 U	1 U	**86.1**	1 U	**38**	5 U	--

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-39	MW-39-120716	12/7/2016	µg/L	**6,320**	**682**	**1,290**	**3,650**	50 U[b]	**311**	**86**	--
	MW-39-031417	3/14/2017	µg/L	**6,370**	**431**	**2,200**	**3,700**	10 U[b]	**199**	**117**	--
	MW-39-032017	3/20/2017	µg/L	**7,340**	**704**	**2,990**	**4,050**	100 U[b]	**248**	500 U[b]	--
	MW-39-033117	3/31/2017	µg/L	**7,540**	**899**	**3,140**	**4,400**	50 U[b]	**272**	250 U[b]	--
	MW-39-040617	4/6/2017	µg/L	**6,180**	**754**	**3,280**	**3,860**	50 U[b]	**257**	250 U[b]	--
	MW-39-062817	6/28/2017	µg/L	**5,470**	**58**	**3,360**	**3,900**	20 U[b]	**239**	100 U[b]	--
	MW-39-071717	7/17/2017	µg/L	**4,690**	100 U	**3,760**	**4,580**	100 U[b]	**344**	500 U[b]	--
	MW-39-080117	8/1/2017	µg/L	**4,630**	100 U	**2,880**	**4,740**	100 U[b]	**348**	500 U[b]	--
	MW-39-090817	9/8/2017	µg/L	**3,380**	**10.7**	**1,040**	**2,740**	1 U	**376**	**15.6**	--
	MW-39-100417	10/4/2017	µg/L	**1,560**	50 U	**365**	**1,350**	50 U[b]	**305**	250 U[b]	--
	MW-39-110817	11/8/2017	µg/L	**878**	50 U	**123**	**368**	50 U[b]	**442**	250 U[b]	--
	MW-39-120617	12/6/2017	µg/L	**345**	50 U	**69**	**150**	50 U[b]	**355**	250 U[b]	--
	MW-39-D-120617	12/6/2017	µg/L	**286**	1 U	**31**	**131**	1 U	**353**	5 U	--
MW-40	MW-40-120716	12/7/2016	µg/L	**6,730**	**588**	**7,460**	**3,390**	50 U[b]	**373**	**64.8**	--
	MW-40-031417	3/14/2017	µg/L	**11,600**	**1,280**	**16,100**	**7,260**	50 U[b]	**691**	250 U[b]	--
	MW-40-032017	3/20/2017	µg/L	**12,300**	**1,330**	**19,600**	**7,500**	200 U[b]	**654**	1,000 U[b]	--
	MW-40-033117	3/31/2017	µg/L	**13,300**	**1,500**	**19,500**	**8,070**	100 U[b]	**727**	500 U[b]	--
	MW-40-040617	4/6/2017	µg/L	**10,400**	**1,180**	**16,200**	**6,570**	200 U[b]	**650**	1,000 U[b]	--
	MW-40-062817	6/28/2017	µg/L	**9,250**	**1,030**	**19,200**	**6,540**	500 U[b]	**590**	2,500 U[b]	--
	MW-40-071717	7/17/2017	µg/L	**11,400**	**1,210**	**25,300**	**7,430**	500 U[b]	**727**	2,500 U[b]	--
	MW-40-080117	8/1/2017	µg/L	**12,000**	**1,120**	**23,200**	**8,070**	500 U[b]	**631**	2,500 U[b]	--
	MW-40-090817	9/8/2017	µg/L	**14,300**	**1,250**	**28,700**	**9,250**	20 U[b]	**716**	**219**	--
	MW-40-100417	10/4/2017	µg/L	**13,800**	1,000 U[b]	**28,800**	**9,530**	1,000 U[b]	1,000 U[b]	5,000 U[b]	--
	MW-40-110817	11/8/2017	µg/L	**13,500**	1,000 U[b]	**23,000**	**9,290**	1,000 U[b]	1,000 U[b]	5,000 U[b]	--
	MW-40-120617	12/6/2017	µg/L	**14,300**	1,000 U[b]	**22,300**	**10,100**	1,000 U[b]	1,000 U[b]	5,000 U[b]	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-41	MW-41-120716	12/7/2016	µg/L	**212**	2 U	2 U	**155**	2 U	**6.7**	**5.6**	--
	MW-41-031417	3/14/2017	µg/L	**469**	**1.78**	1 U	**275**	1 U	**4.34**	**18.1**	--
	MW-41-032017	3/20/2017	µg/L	**424**	**2.62**	1 U	**342**	1 U	1 U	**16.9**	--
	MW-41-033117	3/31/2017	µg/L	**449**	5 U	5 U	**343**	5 U[b]	5 U	25 U[b]	--
	MW-41-040617	4/6/2017	µg/L	**470**	**2.06**	1 U	**258**	1 U	**3.84**	**10.6**	--
	MW-41-062817	6/28/2017	µg/L	**292**	**8.83**	**2.09**	**271**	1 U	**3.36**	**13.3**	--
	MW-41-071717	7/17/2017	µg/L	**487**	**15.8**	**3.09**	**366**	1 U	**3.62**	**27.9**	--
	MW-41-080117	8/1/2017	µg/L	**371**	10 U	10 U	**260**	10 U[b]	10 U	50 U[b]	--
	MW-41-090817	9/8/2017	µg/L	**189**	**1.51**	1 U	**90**	1 U	**3.74**	5 U	--
	MW-41-100417	10/4/2017	µg/L	**93.5**	1 U	1 U	**59.9**	1 U	**1.84**	5 U	--
	MW-41-110817	11/8/2017	µg/L	**99.6**	1 U	1 U	**56.6**	1 U	**2.46**	**5.68**	--
	MW-41-120617	12/6/2017	µg/L	**27.6**	1 U	1 U	**11.1**	1 U	**1.62**	5 U	--
MW-42	MW-42-120716	12/7/2016	µg/L	**3.8**	1 U	1 U	**2.7**	1 U	1 U	1 U	--
	MW-42-031417	3/14/2017	µg/L	**19.3**	1 U	1 U	3 U	1 U	**1.12**	5 U	--
	MW-42-032017	3/20/2017	µg/L	**59.6**	1 U	1 U	**16.9**	1 U	**1.24**	5 U	--
	MW-42-033117	3/31/2017	µg/L	**135**	1 U	1 U	**73.8**	1 U	1 U	**5.19**	--
	MW-42-040617	4/6/2017	µg/L	**93.5**	1 U	1 U	**53.3**	1 U	**1.18**	5 U	--
	MW-42-062817	6/28/2017	µg/L	**15.1**	1 U	1 U	**11.7**	1 U	**1.25**	5 U	--
	MW-42-090817	9/8/2017	µg/L	**143**	1 U	1 U	**100**	1 U	**1.51**	**5.52**	--
	MW-42-120617	12/6/2017	µg/L	**9.82**	1 U	1 U	**45**	1 U	**1.24**	5 U	--
MW-43	MW-43-110817	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-43B	MW-43B-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-44	--	3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-44-062917	6/29/2017	µg/L	**1.06**	1 U	**7.12**	**3.11**	1 U	1 U	5 U	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-44B	MW-44B-031317	3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-44B-062817	6/28/2017	µg/L	1 U	1 U	**2.39**	3 U	1 U	1 U	5 U	--
	MW-44B-090717	9/7/2017	µg/L	1 U	1 U	**3.07**	3 U	1 U	1 U	5 U	--
	MW-44B-120517	12/5/2017	µg/L	1 U	1 U	**2.27**	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-45	--	3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-45-062917	6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45-071717	7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45-080217	8/2/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
MW-45B	MW-45B-031317	3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-032017	3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-033117	3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-040617	4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-062817	6/28/2017	µg/L	1 U	1 U	**1.73**	3 U	1 U	1 U	5 U	--
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-45B-120717	12/7/2017	µg/L	1 U	1 U	**3.26**	3 U	1 U	1 U	5 U	--
MW-46	MW-46-120617	12/6/2017	µg/L	**4.97**	1 U	1 U	**7.74**	1 U	**85.5**	5 U	--
MW-47	MW-47-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-48B	MW-48B-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**2.92**	5 U	--
MW-49	MW-49-120617	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 6. Analytical Results for Groundwater

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
MW-50B	MW-50B-120617	12/6/2017	µg/L	**1.37**	1 U	1 U	3 U	1 U	**35.5**	5 U	--
RBSL[a]:			**µg/L**	5.0	700	1,000	10,000	5.0	40	25	0.05

Notes:

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

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

Samples analyzed by EPA Methods SW 8260B and 8011

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

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

ID = identification

MTBE = methyl tertiary butyl ether

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

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

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

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

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

ANALYTICAL REPORT

December 08, 2017

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L955602
Samples Received:	12/06/2017
Project Number:	684910.LD.MR.SW
Description:	Lewis Drive Site
Site:	LEWIS DR.
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.

SW11-120517 L955602-01 GW

Collected by: M. Warren | Collected date/time: 12/05/17 08:15 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 14:20	12/07/17 14:20	ACG

SW10-120517 L955602-02 GW

Collected by: M. Warren | Collected date/time: 12/05/17 08:30 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 14:39	12/07/17 14:39	ACG

FP01-120517 L955602-03 GW

Collected by: M. Warren | Collected date/time: 12/05/17 08:50 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 14:58	12/07/17 14:58	ACG

FP02-120517 L955602-04 GW

Collected by: M. Warren | Collected date/time: 12/05/17 08:55 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 15:17	12/07/17 15:17	ACG

SW09-120517 L955602-05 GW

Collected by: M. Warren | Collected date/time: 12/05/17 09:10 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 15:37	12/07/17 15:37	ACG

SW08-120517 L955602-06 GW

Collected by: M. Warren | Collected date/time: 12/05/17 09:20 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 15:56	12/07/17 15:56	ACG

SW13-120517 L955602-07 GW

Collected by: M. Warren | Collected date/time: 12/05/17 09:25 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 16:15	12/07/17 16:15	ACG

FP03-120517 L955602-08 GW

Collected by: M. Warren | Collected date/time: 12/05/17 09:45 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 16:34	12/07/17 16:34	ACG

SW04-120517 L955602-09 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:00 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 16:54	12/07/17 16:54	ACG

SW02-120517 L955602-10 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:05 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 17:13	12/07/17 17:13	ACG

SW01-120517 L955602-12 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:15 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 17:32	12/07/17 17:32	ACG

SW07-120517 L955602-13 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:25 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 17:51	12/07/17 17:51	ACG

SW12-120517 L955602-14 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:35 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 18:10	12/07/17 18:10	ACG

SW03-120517 L955602-15 GW

Collected by: M. Warren | Collected date/time: 12/05/17 10:40 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 18:30	12/07/17 18:30	ACG

SW14-120517 L955602-16 GW

Collected by: M. Warren | Collected date/time: 12/05/17 11:15 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 18:49	12/07/17 18:49	ACG

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

Chris McCord
Technical Service Representative

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 14:20	WG1050755
Toluene	ND		1.00	1	12/07/2017 14:20	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 14:20	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 14:20	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 14:20	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 14:20	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 14:20	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 14:20*	WG1050755
(S) Dibromofluoromethane	*90.4*		*76.0-123*		*12/07/2017 14:20*	WG1050755
(S) a,a,a-Trifluorotoluene	*99.4*		*80.0-120*		*12/07/2017 14:20*	WG1050755
(S) 4-Bromofluorobenzene	*116*		*80.0-120*		*12/07/2017 14:20*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 14:39	WG1050755
Toluene	ND		1.00	1	12/07/2017 14:39	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 14:39	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 14:39	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 14:39	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 14:39	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 14:39	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 14:39*	WG1050755
(S) Dibromofluoromethane	*91.4*		*76.0-123*		*12/07/2017 14:39*	WG1050755
(S) a,a,a-Trifluorotoluene	*100*		*80.0-120*		*12/07/2017 14:39*	WG1050755
(S) 4-Bromofluorobenzene	*119*		*80.0-120*		*12/07/2017 14:39*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 14:58	WG1050755
Toluene	ND		1.00	1	12/07/2017 14:58	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 14:58	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 14:58	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 14:58	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 14:58	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 14:58	WG1050755
(S) Toluene-d8	*109*		*80.0-120*		*12/07/2017 14:58*	WG1050755
(S) Dibromofluoromethane	*90.7*		*76.0-123*		*12/07/2017 14:58*	WG1050755
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*12/07/2017 14:58*	WG1050755
(S) 4-Bromofluorobenzene	*121*	J1	*80.0-120*		*12/07/2017 14:58*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 15:17	WG1050755
Toluene	ND		1.00	1	12/07/2017 15:17	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 15:17	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 15:17	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 15:17	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 15:17	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 15:17	WG1050755
(S) Toluene-d8	*111*		*80.0-120*		*12/07/2017 15:17*	WG1050755
(S) Dibromofluoromethane	*90.6*		*76.0-123*		*12/07/2017 15:17*	WG1050755
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*12/07/2017 15:17*	WG1050755
(S) 4-Bromofluorobenzene	*118*		*80.0-120*		*12/07/2017 15:17*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 15:37	WG1050755
Toluene	ND		1.00	1	12/07/2017 15:37	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 15:37	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 15:37	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 15:37	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 15:37	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 15:37	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 15:37*	WG1050755
(S) Dibromofluoromethane	*92.3*		*76.0-123*		*12/07/2017 15:37*	WG1050755
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*12/07/2017 15:37*	WG1050755
(S) 4-Bromofluorobenzene	*118*		*80.0-120*		*12/07/2017 15:37*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 15:56	WG1050755
Toluene	ND		1.00	1	12/07/2017 15:56	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 15:56	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 15:56	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 15:56	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 15:56	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 15:56	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 15:56*	WG1050755
(S) Dibromofluoromethane	*91.2*		*76.0-123*		*12/07/2017 15:56*	WG1050755
(S) a,a,a-Trifluorotoluene	*98.9*		*80.0-120*		*12/07/2017 15:56*	WG1050755
(S) 4-Bromofluorobenzene	*119*		*80.0-120*		*12/07/2017 15:56*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 16:15	WG1050755
Toluene	ND		1.00	1	12/07/2017 16:15	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 16:15	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 16:15	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 16:15	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 16:15	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 16:15	WG1050755
(S) Toluene-d8	*107*		*80.0-120*		*12/07/2017 16:15*	WG1050755
(S) Dibromofluoromethane	*90.2*		*76.0-123*		*12/07/2017 16:15*	WG1050755
(S) a,a,a-Trifluorotoluene	*100*		*80.0-120*		*12/07/2017 16:15*	WG1050755
(S) 4-Bromofluorobenzene	*120*		*80.0-120*		*12/07/2017 16:15*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 16:34	WG1050755
Toluene	ND		1.00	1	12/07/2017 16:34	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 16:34	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 16:34	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 16:34	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 16:34	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 16:34	WG1050755
(S) Toluene-d8	*107*		*80.0-120*		*12/07/2017 16:34*	WG1050755
(S) Dibromofluoromethane	*91.7*		*76.0-123*		*12/07/2017 16:34*	WG1050755
(S) a,a,a-Trifluorotoluene	*99.8*		*80.0-120*		*12/07/2017 16:34*	WG1050755
(S) 4-Bromofluorobenzene	*116*		*80.0-120*		*12/07/2017 16:34*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 16:54	WG1050755
Toluene	5.53		1.00	1	12/07/2017 16:54	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 16:54	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 16:54	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 16:54	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 16:54	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 16:54	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 16:54*	WG1050755
(S) Dibromofluoromethane	*92.7*		*76.0-123*		*12/07/2017 16:54*	WG1050755
(S) a,a,a-Trifluorotoluene	*99.6*		*80.0-120*		*12/07/2017 16:54*	WG1050755
(S) 4-Bromofluorobenzene	*117*		*80.0-120*		*12/07/2017 16:54*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	26.6		1.00	1	12/07/2017 17:13	WG1050755
Toluene	8.39		1.00	1	12/07/2017 17:13	WG1050755
Ethylbenzene	1.80		1.00	1	12/07/2017 17:13	WG1050755
o-Xylene	7.17		1.00	1	12/07/2017 17:13	WG1050755
m&p-Xylene	10.2		2.00	1	12/07/2017 17:13	WG1050755
Xylenes, Total	17.4		3.00	1	12/07/2017 17:13	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 17:13	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 17:13*	WG1050755
(S) Dibromofluoromethane	*90.2*		*76.0-123*		*12/07/2017 17:13*	WG1050755
(S) a,a,a-Trifluorotoluene	*99.5*		*80.0-120*		*12/07/2017 17:13*	WG1050755
(S) 4-Bromofluorobenzene	*120*		*80.0-120*		*12/07/2017 17:13*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.59		1.00	1	12/07/2017 17:32	WG1050755
Toluene	1.15		1.00	1	12/07/2017 17:32	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 17:32	WG1050755
o-Xylene	2.14		1.00	1	12/07/2017 17:32	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 17:32	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 17:32	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 17:32	WG1050755
(S) Toluene-d8	*109*		*80.0-120*		*12/07/2017 17:32*	WG1050755
(S) Dibromofluoromethane	*91.3*		*76.0-123*		*12/07/2017 17:32*	WG1050755
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*12/07/2017 17:32*	WG1050755
(S) 4-Bromofluorobenzene	*117*		*80.0-120*		*12/07/2017 17:32*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 17:51	WG1050755
Toluene	ND		1.00	1	12/07/2017 17:51	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 17:51	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 17:51	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 17:51	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 17:51	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 17:51	WG1050755
(S) Toluene-d8	*105*		*80.0-120*		*12/07/2017 17:51*	WG1050755
(S) Dibromofluoromethane	*92.3*		*76.0-123*		*12/07/2017 17:51*	WG1050755
(S) a,a,a-Trifluorotoluene	*100*		*80.0-120*		*12/07/2017 17:51*	WG1050755
(S) 4-Bromofluorobenzene	*119*		*80.0-120*		*12/07/2017 17:51*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	16.6		1.00	1	12/07/2017 18:10	WG1050755
Toluene	12.6		1.00	1	12/07/2017 18:10	WG1050755
Ethylbenzene	2.91		1.00	1	12/07/2017 18:10	WG1050755
o-Xylene	13.3		1.00	1	12/07/2017 18:10	WG1050755
m&p-Xylene	20.1		2.00	1	12/07/2017 18:10	WG1050755
Xylenes, Total	33.4		3.00	1	12/07/2017 18:10	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 18:10	WG1050755
(S) Toluene-d8	*107*		*80.0-120*		*12/07/2017 18:10*	WG1050755
(S) Dibromofluoromethane	*89.7*		*76.0-123*		*12/07/2017 18:10*	WG1050755
(S) a,a,a-Trifluorotoluene	*98.2*		*80.0-120*		*12/07/2017 18:10*	WG1050755
(S) 4-Bromofluorobenzene	*123*	J1	*80.0-120*		*12/07/2017 18:10*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 18:30	WG1050755
Toluene	ND		1.00	1	12/07/2017 18:30	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 18:30	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 18:30	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 18:30	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 18:30	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 18:30	WG1050755
(S) Toluene-d8	*107*		*80.0-120*		*12/07/2017 18:30*	WG1050755
(S) Dibromofluoromethane	*90.7*		*76.0-123*		*12/07/2017 18:30*	WG1050755
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/07/2017 18:30*	WG1050755
(S) 4-Bromofluorobenzene	*112*		*80.0-120*		*12/07/2017 18:30*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 18:49	WG1050755
Toluene	ND		1.00	1	12/07/2017 18:49	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 18:49	WG1050755
o-Xylene	ND		1.00	1	12/07/2017 18:49	WG1050755
m&p-Xylene	ND		2.00	1	12/07/2017 18:49	WG1050755
Xylenes, Total	ND		3.00	1	12/07/2017 18:49	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 18:49	WG1050755
(S) Toluene-d8	*108*		*80.0-120*		*12/07/2017 18:49*	WG1050755
(S) Dibromofluoromethane	*90.4*		*76.0-123*		*12/07/2017 18:49*	WG1050755
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*12/07/2017 18:49*	WG1050755
(S) 4-Bromofluorobenzene	*115*		*80.0-120*		*12/07/2017 18:49*	WG1050755

Method Blank (MB)

(MB) R3271497-2 12/07/17 11:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*89.7*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*98.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*118*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3271497-1 12/07/17 10:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	25.8	103	70.0-130	
Ethylbenzene	25.0	30.0	120	70.0-130	
Naphthalene	25.0	20.9	83.4	70.0-130	
Toluene	25.0	29.7	119	70.0-130	
Xylenes, Total	75.0	89.8	120	70.0-130	
o-Xylene	25.0	29.4	118	70.0-130	
m&p-Xylenes	50.0	60.4	121	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) Dibromofluoromethane			*89.5*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*118*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

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

ACCREDITATIONS & LOCATIONS

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
Conneticut	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 [1 4]	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		

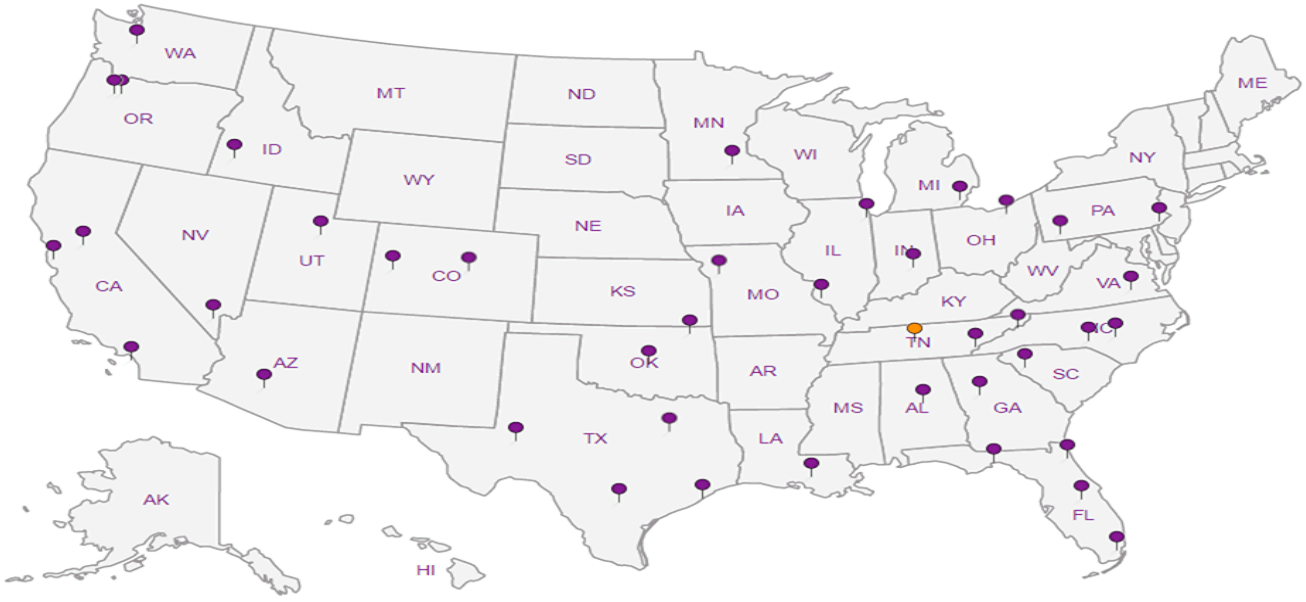
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] 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.**



CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Pres Chk

Chain of Custody Page 1 of 2

ESC LAB SCIENCES

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Site

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project #: 684910.LD.MR.SW

Lab Project #: KINCH2MGA-LEWIS

Collected by (print): M. WARREN

Site/Facility ID #: LEWIS DR.

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

L# 955602
D245

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P627790
TSR: 526 - Chris McCord
PB: 11-22-16
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPHTHALENE	Remarks	Sample # (lab only)
Pres Chk							X		X	X		
SW11-120517	GRAB	GW	NA	12/05/17	0815	3	X		X	X		-01
SW10-120517	↓	GW	↓	↓	0830	3	X		↓	↓		-02
FP01-120517	↓	GW	↓	↓	0850	3	X		↓	↓		-03
FP02-120517	↓	GW	↓	↓	0855	3	X		↓	↓		-04
SW09-120517	↓	GW	↓	↓	0910	3	X		↓	↓		-05
SW08-120517	↓	GW	↓	↓	0920	3	X		↓	↓		-06
SW13-120517	↓	GW	↓	↓	0925	3	X		↓	↓		-07
FP03-120517	↓	GW	↓	↓	0945	3	X		↓	↓		-08
SW04-120517	↓	GW	↓	↓	1000	3	X		↓	↓		-09
SW02-120517	↓	GW	↓	↓	1005	3	X		↓	↓		-10

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

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

Tracking # 4142 5221 3142

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
[signature]	12/05/17	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.5 °C	Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature] 861	Date: 12/6/17	Time: 08:45

Preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Site

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # LEWIS DR.

Lab Project # KINCH2MGA-LEWIS

Collected by (print): M. WARREN

Site/Facility ID # 684910.LD.MR.SW

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pres Chk: X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPHTHALENE	Remarks	Sample # (lab only)
SW02-D - 120517	GRAB	GW	NA	120517	1010	3	X		X	X		-11
SW01 - 120517		GW			1015	3	X					-12
SW07 - 120517		GW			1025	3	X					-13
SW12 - 120517		GW			1035	3	X					-14
SW03 - 120517		GW			1040	3	X					-15
SW14 - 120517		GW			1115	13	X	*				-16

* 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 #

Relinquished by : (Signature) — Date: 12/05/17 Time: 1730 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) 861 — Date: 12/6/17 Time: 08145

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

Temp: 2.5 °C Bottles Received: 48

Hold:

If preservation required by Login: Date/Time

Condition: NCF / OK

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

Chain of Custody Page 2 of 2

ESC LABORATORY SCIENCES
A subsidiary of Pace Analytical

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

L# 455602

Table #

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P627790
TSR: 526 - Chris McCord
PB: 12-22-17

Shipped Via: FedEx Ground

ANALYTICAL REPORT

January 04, 2018

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L957851
Samples Received:	12/15/2017
Project Number:	684910.LD.MR.SW
Description:	Lewis Drive Surface Water
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
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.

SW11-121417 L957851-01 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 12:40 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 17:34	12/15/17 17:34	JHH

SW10-121417 L957851-02 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 12:50 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 17:53	12/15/17 17:53	JHH

FP01-121417 L957851-03 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 13:00 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 18:12	12/15/17 18:12	JHH

FP02-121417 L957851-04 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 13:05 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 18:31	12/15/17 18:31	JHH

SW09-121417 L957851-05 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 13:40 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 18:51	12/15/17 18:51	JHH

SW08-121417 L957851-06 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 13:50 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 19:10	12/15/17 19:10	JHH

SW13-121417 L957851-07 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 14:00 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 19:29	12/15/17 19:29	GLN

FP03-121417 L957851-08 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 14:10 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 19:49	12/15/17 19:49	JHH

SW04-121417 L957851-09 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 14:25 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 20:08	12/15/17 20:08	GLN

SW02-121417 L957851-10 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 14:30 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 20:27	12/15/17 20:27	GLN

SW01-121417 L957851-11 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 14:45 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 20:46	12/15/17 20:46	GLN

SW07-121417 L957851-12 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 15:00 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 21:06	12/15/17 21:06	GLN

SW12-121417 L957851-13 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 15:05 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 21:25	12/15/17 21:25	GLN

SW03-121417 L957851-14 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 15:15 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 21:44	12/15/17 21:44	GLN

TB01-121417 L957851-15 GW

Collected by: Melissa Warren | Collected date/time: 12/14/17 15:25 | Received date/time: 12/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1054201	1	12/15/17 16:55	12/15/17 16:55	GLN

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

Chris McCord
Technical Service Representative

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 17:34	WG1054201
Toluene	ND		1.00	1	12/15/2017 17:34	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 17:34	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 17:34	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 17:34	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 17:34	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 17:34	WG1054201
(S) Toluene-d8	*108*		*80.0-120*		*12/15/2017 17:34*	WG1054201
(S) Dibromofluoromethane	*87.2*		*76.0-123*		*12/15/2017 17:34*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 17:34*	WG1054201
(S) 4-Bromofluorobenzene	*91.3*		*80.0-120*		*12/15/2017 17:34*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 17:53	WG1054201
Toluene	ND		1.00	1	12/15/2017 17:53	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 17:53	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 17:53	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 17:53	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 17:53	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 17:53	WG1054201
(S) Toluene-d8	*109*		*80.0-120*		*12/15/2017 17:53*	WG1054201
(S) Dibromofluoromethane	*87.1*		*76.0-123*		*12/15/2017 17:53*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 17:53*	WG1054201
(S) 4-Bromofluorobenzene	*92.3*		*80.0-120*		*12/15/2017 17:53*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 18:12	WG1054201
Toluene	ND		1.00	1	12/15/2017 18:12	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 18:12	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 18:12	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 18:12	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 18:12	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 18:12	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 18:12*	WG1054201
(S) Dibromofluoromethane	*86.7*		*76.0-123*		*12/15/2017 18:12*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 18:12*	WG1054201
(S) 4-Bromofluorobenzene	*91.0*		*80.0-120*		*12/15/2017 18:12*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 18:31	WG1054201
Toluene	ND		1.00	1	12/15/2017 18:31	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 18:31	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 18:31	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 18:31	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 18:31	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 18:31	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 18:31*	WG1054201
(S) Dibromofluoromethane	*87.2*		*76.0-123*		*12/15/2017 18:31*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 18:31*	WG1054201
(S) 4-Bromofluorobenzene	*90.7*		*80.0-120*		*12/15/2017 18:31*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 18:51	WG1054201
Toluene	ND		1.00	1	12/15/2017 18:51	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 18:51	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 18:51	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 18:51	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 18:51	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 18:51	WG1054201
(S) Toluene-d8	*108*		*80.0-120*		*12/15/2017 18:51*	WG1054201
(S) Dibromofluoromethane	*88.1*		*76.0-123*		*12/15/2017 18:51*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 18:51*	WG1054201
(S) 4-Bromofluorobenzene	*90.1*		*80.0-120*		*12/15/2017 18:51*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 19:10	WG1054201
Toluene	ND		1.00	1	12/15/2017 19:10	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 19:10	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 19:10	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 19:10	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 19:10	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 19:10	WG1054201
(S) Toluene-d8	*109*		*80.0-120*		*12/15/2017 19:10*	WG1054201
(S) Dibromofluoromethane	*89.4*		*76.0-123*		*12/15/2017 19:10*	WG1054201
(S) a,a,a-Trifluorotoluene	*113*		*80.0-120*		*12/15/2017 19:10*	WG1054201
(S) 4-Bromofluorobenzene	*92.7*		*80.0-120*		*12/15/2017 19:10*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 19:29	WG1054201
Toluene	ND		1.00	1	12/15/2017 19:29	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 19:29	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 19:29	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 19:29	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 19:29	WG1054201
Methyl tert-butyl ether	2.20		1.00	1	12/15/2017 19:29	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 19:29	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 19:29*	WG1054201
(S) Dibromofluoromethane	*87.6*		*76.0-123*		*12/15/2017 19:29*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 19:29*	WG1054201
(S) 4-Bromofluorobenzene	*93.2*		*80.0-120*		*12/15/2017 19:29*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 19:49	WG1054201
Toluene	ND		1.00	1	12/15/2017 19:49	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 19:49	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 19:49	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 19:49	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 19:49	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 19:49	WG1054201
(S) Toluene-d8	*111*		*80.0-120*		*12/15/2017 19:49*	WG1054201
(S) Dibromofluoromethane	*87.7*		*76.0-123*		*12/15/2017 19:49*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 19:49*	WG1054201
(S) 4-Bromofluorobenzene	*93.1*		*80.0-120*		*12/15/2017 19:49*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 20:08	WG1054201
Toluene	ND		1.00	1	12/15/2017 20:08	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 20:08	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 20:08	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 20:08	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 20:08	WG1054201
Methyl tert-butyl ether	1.34		1.00	1	12/15/2017 20:08	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 20:08	WG1054201
(S) Toluene-d8	*109*		*80.0-120*		*12/15/2017 20:08*	WG1054201
(S) Dibromofluoromethane	*87.2*		*76.0-123*		*12/15/2017 20:08*	WG1054201
(S) a,a,a-Trifluorotoluene	*110*		*80.0-120*		*12/15/2017 20:08*	WG1054201
(S) 4-Bromofluorobenzene	*92.0*		*80.0-120*		*12/15/2017 20:08*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	21.1		1.00	1	12/15/2017 20:27	WG1054201
Toluene	9.40		1.00	1	12/15/2017 20:27	WG1054201
Ethylbenzene	1.53		1.00	1	12/15/2017 20:27	WG1054201
o-Xylene	7.32		1.00	1	12/15/2017 20:27	WG1054201
m&p-Xylene	9.74		2.00	1	12/15/2017 20:27	WG1054201
Xylenes, Total	17.1		3.00	1	12/15/2017 20:27	WG1054201
Methyl tert-butyl ether	3.88		1.00	1	12/15/2017 20:27	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 20:27	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 20:27*	WG1054201
(S) Dibromofluoromethane	*86.9*		*76.0-123*		*12/15/2017 20:27*	WG1054201
(S) a,a,a-Trifluorotoluene	*114*		*80.0-120*		*12/15/2017 20:27*	WG1054201
(S) 4-Bromofluorobenzene	*90.9*		*80.0-120*		*12/15/2017 20:27*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.52		1.00	1	12/15/2017 20:46	WG1054201
Toluene	4.52		1.00	1	12/15/2017 20:46	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 20:46	WG1054201
o-Xylene	3.20		1.00	1	12/15/2017 20:46	WG1054201
m&p-Xylene	3.48		2.00	1	12/15/2017 20:46	WG1054201
Xylenes, Total	6.68		3.00	1	12/15/2017 20:46	WG1054201
Methyl tert-butyl ether	1.77		1.00	1	12/15/2017 20:46	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 20:46	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 20:46*	WG1054201
(S) Dibromofluoromethane	*88.5*		*76.0-123*		*12/15/2017 20:46*	WG1054201
(S) a,a,a-Trifluorotoluene	*114*		*80.0-120*		*12/15/2017 20:46*	WG1054201
(S) 4-Bromofluorobenzene	*92.0*		*80.0-120*		*12/15/2017 20:46*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 21:06	WG1054201
Toluene	ND		1.00	1	12/15/2017 21:06	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 21:06	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 21:06	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 21:06	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 21:06	WG1054201
Methyl tert-butyl ether	ND		1.00	1	12/15/2017 21:06	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 21:06	WG1054201
(S) Toluene-d8	*112*		*80.0-120*		*12/15/2017 21:06*	WG1054201
(S) Dibromofluoromethane	*86.3*		*76.0-123*		*12/15/2017 21:06*	WG1054201
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*12/15/2017 21:06*	WG1054201
(S) 4-Bromofluorobenzene	*91.9*		*80.0-120*		*12/15/2017 21:06*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9.19		1.00	1	12/15/2017 21:25	WG1054201
Toluene	8.26		1.00	1	12/15/2017 21:25	WG1054201
Ethylbenzene	2.66		1.00	1	12/15/2017 21:25	WG1054201
o-Xylene	12.1		1.00	1	12/15/2017 21:25	WG1054201
m&p-Xylene	18.0		2.00	1	12/15/2017 21:25	WG1054201
Xylenes, Total	30.1		3.00	1	12/15/2017 21:25	WG1054201
Methyl tert-butyl ether	ND		1.00	1	12/15/2017 21:25	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 21:25	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 21:25*	WG1054201
(S) Dibromofluoromethane	*87.5*		*76.0-123*		*12/15/2017 21:25*	WG1054201
(S) a,a,a-Trifluorotoluene	*114*		*80.0-120*		*12/15/2017 21:25*	WG1054201
(S) 4-Bromofluorobenzene	*90.2*		*80.0-120*		*12/15/2017 21:25*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 21:44	WG1054201
Toluene	ND		1.00	1	12/15/2017 21:44	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 21:44	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 21:44	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 21:44	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 21:44	WG1054201
Methyl tert-butyl ether	ND		1.00	1	12/15/2017 21:44	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 21:44	WG1054201
(S) Toluene-d8	*109*		*80.0-120*		*12/15/2017 21:44*	WG1054201
(S) Dibromofluoromethane	*87.5*		*76.0-123*		*12/15/2017 21:44*	WG1054201
(S) a,a,a-Trifluorotoluene	*114*		*80.0-120*		*12/15/2017 21:44*	WG1054201
(S) 4-Bromofluorobenzene	*89.3*		*80.0-120*		*12/15/2017 21:44*	WG1054201

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/15/2017 16:55	WG1054201
Toluene	ND		1.00	1	12/15/2017 16:55	WG1054201
Ethylbenzene	ND		1.00	1	12/15/2017 16:55	WG1054201
o-Xylene	ND		1.00	1	12/15/2017 16:55	WG1054201
m&p-Xylene	ND		2.00	1	12/15/2017 16:55	WG1054201
Xylenes, Total	ND		3.00	1	12/15/2017 16:55	WG1054201
Methyl tert-butyl ether	ND		1.00	1	12/15/2017 16:55	WG1054201
Naphthalene	ND		5.00	1	12/15/2017 16:55	WG1054201
(S) Toluene-d8	*110*		*80.0-120*		*12/15/2017 16:55*	WG1054201
(S) Dibromofluoromethane	*86.2*		*76.0-123*		*12/15/2017 16:55*	WG1054201
(S) a,a,a-Trifluorotoluene	*114*		*80.0-120*		*12/15/2017 16:55*	WG1054201
(S) 4-Bromofluorobenzene	*90.1*		*80.0-120*		*12/15/2017 16:55*	WG1054201

Method Blank (MB)

(MB) R3273812-2 12/15/17 16:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*87.9*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.9*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3273812-1 12/15/17 15:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	20.5	81.8	70.0-130	
Ethylbenzene	25.0	25.8	103	70.0-130	
Methyl tert-butyl ether	25.0	21.1	84.3	70.0-130	
Naphthalene	25.0	20.1	80.6	70.0-130	
Toluene	25.0	25.1	100	70.0-130	
Xylenes, Total	75.0	79.1	105	70.0-130	
o-Xylene	25.0	26.5	106	70.0-130	
m&p-Xylenes	50.0	52.6	105	70.0-130	
(S) Toluene-d8			*110*	*80.0-120*	
(S) Dibromofluoromethane			*87.9*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*113*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.0*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description

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

ACCREDITATIONS & LOCATIONS

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 [1 4]	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		

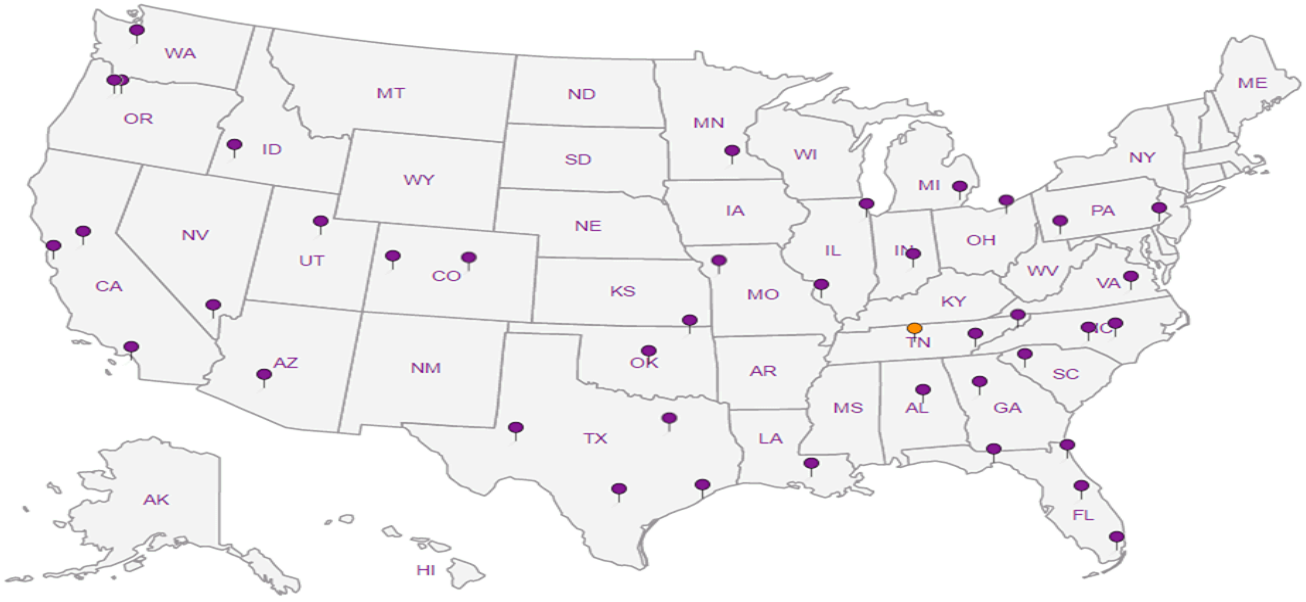
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] 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.**



CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPHTHALENE							Remarks	Sample # (lab only)
SW11-121417	GRAB	GW	NA	12/14/17	1240	3	X		X	X								-01
SW10-121417		GW			1250	3	X											02
FP01-121417		GW			1300	3	X											03
FP02-121417		GW			1305	3	X											04
SW09-121417		GW			1340	3	X											05
SW08-121417		GW			1350	3	X											06
SW13-121417		GW			1400	3	X											07
FP03-121417		GW			1410	3	X											08
SW04-121417		GW			1425	3	X											09
SW02-121417		GW			1430	3	X											10

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 414252260218

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
	12/14/17	1615		(
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.5 °C Bottles Received: 42
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/15/17 Time: 0845
			805	Hold: Condition: NCF / OK

Chain of Custody Page 1 of 2

ESC LABORATORIES
a subsidiary of Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L957851

F108

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P631354
TSR: 526 - Chris McCord
PB: 12-12-17

Shipped Via: FedEX Ground

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MP.SW

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y

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

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPHTHALENE	Remarks	Sample # (lab only)
SW01-121417	GRAB	GW	NA	12/14/17	1445	3	X		X	X		-11
SW07-121417	"	GW	"	"	1500	3	X		X	X		12
SW12-121417	"	GW	"	"	1505	3	X		X	X		13
SW03-121417	"	GW	"	"	1515	3	X		X	X		14
———	—	GW	—	—	—	3	X		X	X		15
TB01-121417	GRAB	GW	NA	12/14/17	1525	1		X	X	X		16

Chain of Custody Page 2 of 2

ESC LAB SCIENCES a subsidiary of Pace

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

L# L957851

Table #

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P631354
TSR: 526 - Chris McCord
PB: 12-12-17G

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ___ UPS X FedEx ___ Courier ___

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/14/17	1615	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 0.5 °C Bottles Received: 42

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Date: 12/15/17 Time: 0645

ANALYTICAL REPORT

December 12, 2017

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L955277
Samples Received:	12/06/2017
Project Number:	684910.LD.MR.GW
Description:	Lewis Drive Groundwater
Site:	LWEIS DRIVE
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.

MW-03-120517 L955277-01 GW

Collected by: M. Warren | Collected date/time: 12/05/17 13:30 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050179	1	12/07/17 14:17	12/07/17 14:17	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050179	1	12/07/17 14:17	12/07/17 14:17	MCG
Wet Chemistry by Method 9056A	WG1050075	1	12/06/17 16:53	12/06/17 16:53	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1051277	1	12/08/17 14:19	12/08/17 14:19	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 15:51	12/06/17 15:51	LRL

MW-27B-120517 L955277-02 GW

Collected by: M. Warren | Collected date/time: 12/05/17 15:00 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 16:11	12/06/17 16:11	LRL

MW-27B-D-120517 L955277-03 GW

Collected by: M. Warren | Collected date/time: 12/05/17 15:05 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 16:30	12/06/17 16:30	LRL

MW-27-120517 L955277-04 GW

Collected by: M. Warren | Collected date/time: 12/05/17 15:10 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050179	1	12/07/17 14:23	12/07/17 14:23	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050179	1	12/07/17 14:23	12/07/17 14:23	MCG
Wet Chemistry by Method 9056A	WG1050075	1	12/06/17 17:07	12/06/17 17:07	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1051277	1	12/08/17 14:22	12/08/17 14:22	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 16:50	12/06/17 16:50	LRL

MW-01-120517 L955277-05 GW

Collected by: M. Warren | Collected date/time: 12/05/17 15:55 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050179	1	12/07/17 14:29	12/07/17 14:29	MCG
Wet Chemistry by Method 3500Fe B-2011	WG1051868	1	12/11/17 14:11	12/11/17 14:11	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1050179	1	12/07/17 14:29	12/07/17 14:29	MCG
Wet Chemistry by Method 9056A	WG1050075	1	12/06/17 17:20	12/06/17 17:20	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1051277	1	12/08/17 14:26	12/08/17 14:26	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 17:09	12/06/17 17:09	LRL

MW-01B-120517 L955277-06 GW

Collected by: M. Warren | Collected date/time: 12/05/17 16:10 | Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 17:28	12/06/17 17:28	LRL

MW-44B-120517 L955277-07 GW

Collected by: M. Warren
Collected date/time: 12/05/17 16:20
Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 17:48	12/06/17 17:48	LRL

FB01-120517 L955277-08 GW

Collected by: M. Warren
Collected date/time: 12/05/17 16:25
Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 18:08	12/06/17 18:08	LRL

TB01-120517 L955277-09 GW

Collected by: M. Warren
Collected date/time: 12/05/17 16:30
Received date/time: 12/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050212	1	12/06/17 15:32	12/06/17 15:32	LRL

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

Chris McCord
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/07/2017 14:17	WG1050179

Sample Narrative:
L955277-01 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/07/2017 14:17	WG1050179

Sample Narrative:
L955277-01 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	288		100	1	12/06/2017 16:53	WG1050075
Sulfate	ND		5000	1	12/06/2017 16:53	WG1050075

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/08/2017 14:19	WG1051277
Ethane	ND		13.0	1	12/08/2017 14:19	WG1051277
Ethene	ND		13.0	1	12/08/2017 14:19	WG1051277

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 15:51	WG1050212
Toluene	ND		1.00	1	12/06/2017 15:51	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 15:51	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 15:51	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 15:51	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 15:51	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 15:51	WG1050212
(S) Toluene-d8	*102*		*80.0-120*		*12/06/2017 15:51*	WG1050212
(S) Dibromofluoromethane	*97.6*		*76.0-123*		*12/06/2017 15:51*	WG1050212
(S) 4-Bromofluorobenzene	*96.9*		*80.0-120*		*12/06/2017 15:51*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 16:11	WG1050212
Toluene	5.91		1.00	1	12/06/2017 16:11	WG1050212
Ethylbenzene	3.10		1.00	1	12/06/2017 16:11	WG1050212
Total Xylenes	24.8		3.00	1	12/06/2017 16:11	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 16:11	WG1050212
Naphthalene	5.81		5.00	1	12/06/2017 16:11	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 16:11	WG1050212
(S) Toluene-d8	*103*		*80.0-120*		*12/06/2017 16:11*	WG1050212
(S) Dibromofluoromethane	*98.2*		*76.0-123*		*12/06/2017 16:11*	WG1050212
(S) 4-Bromofluorobenzene	*95.1*		*80.0-120*		*12/06/2017 16:11*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 16:30	WG1050212
Toluene	7.24		1.00	1	12/06/2017 16:30	WG1050212
Ethylbenzene	3.96		1.00	1	12/06/2017 16:30	WG1050212
Total Xylenes	31.6		3.00	1	12/06/2017 16:30	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 16:30	WG1050212
Naphthalene	7.09		5.00	1	12/06/2017 16:30	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 16:30	WG1050212
(S) Toluene-d8	*101*		*80.0-120*		*12/06/2017 16:30*	WG1050212
(S) Dibromofluoromethane	*99.3*		*76.0-123*		*12/06/2017 16:30*	WG1050212
(S) 4-Bromofluorobenzene	*97.5*		*80.0-120*		*12/06/2017 16:30*	WG1050212

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	49900		20000	1	12/07/2017 14:23	WG1050179

Sample Narrative:
L955277-04 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	36100	T8	20000	1	12/07/2017 14:23	WG1050179

Sample Narrative:
L955277-04 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/06/2017 17:07	WG1050075
Sulfate	13100		5000	1	12/06/2017 17:07	WG1050075

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	220		10.0	1	12/08/2017 14:22	WG1051277
Ethane	ND		13.0	1	12/08/2017 14:22	WG1051277
Ethene	ND		13.0	1	12/08/2017 14:22	WG1051277

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6.48		1.00	1	12/06/2017 16:50	WG1050212
Toluene	12.5		1.00	1	12/06/2017 16:50	WG1050212
Ethylbenzene	8.23		1.00	1	12/06/2017 16:50	WG1050212
Total Xylenes	20.5		3.00	1	12/06/2017 16:50	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 16:50	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 16:50	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 16:50	WG1050212
(S) Toluene-d8	*99.9*		*80.0-120*		*12/06/2017 16:50*	WG1050212
(S) Dibromofluoromethane	*98.0*		*76.0-123*		*12/06/2017 16:50*	WG1050212
(S) 4-Bromofluorobenzene	*95.1*		*80.0-120*		*12/06/2017 16:50*	WG1050212

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/07/2017 14:29	WG1050179

Sample Narrative:
L955277-05 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ferrous Iron	768	T8	50.0	1	12/11/2017 14:11	WG1051868

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/07/2017 14:29	WG1050179

Sample Narrative:
L955277-05 WG1050179: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	224		100	1	12/06/2017 17:20	WG1050075
Sulfate	ND		5000	1	12/06/2017 17:20	WG1050075

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/08/2017 14:26	WG1051277
Ethane	ND		13.0	1	12/08/2017 14:26	WG1051277
Ethene	ND		13.0	1	12/08/2017 14:26	WG1051277

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 17:09	WG1050212
Toluene	ND		1.00	1	12/06/2017 17:09	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 17:09	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 17:09	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 17:09	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 17:09	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 17:09	WG1050212
(S) Toluene-d8	*102*		*80.0-120*		*12/06/2017 17:09*	WG1050212
(S) Dibromofluoromethane	*98.5*		*76.0-123*		*12/06/2017 17:09*	WG1050212
(S) 4-Bromofluorobenzene	*95.0*		*80.0-120*		*12/06/2017 17:09*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 17:28	WG1050212
Toluene	ND		1.00	1	12/06/2017 17:28	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 17:28	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 17:28	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 17:28	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 17:28	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 17:28	WG1050212
(S) Toluene-d8	*101*		*80.0-120*		*12/06/2017 17:28*	WG1050212
(S) Dibromofluoromethane	*96.5*		*76.0-123*		*12/06/2017 17:28*	WG1050212
(S) 4-Bromofluorobenzene	*95.2*		*80.0-120*		*12/06/2017 17:28*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 17:48	WG1050212
Toluene	2.27		1.00	1	12/06/2017 17:48	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 17:48	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 17:48	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 17:48	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 17:48	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 17:48	WG1050212
(S) Toluene-d8	*104*		*80.0-120*		*12/06/2017 17:48*	WG1050212
(S) Dibromofluoromethane	*98.5*		*76.0-123*		*12/06/2017 17:48*	WG1050212
(S) 4-Bromofluorobenzene	*97.2*		*80.0-120*		*12/06/2017 17:48*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 18:08	WG1050212
Toluene	ND		1.00	1	12/06/2017 18:08	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 18:08	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 18:08	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 18:08	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 18:08	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 18:08	WG1050212
(S) Toluene-d8	*102*		*80.0-120*		*12/06/2017 18:08*	WG1050212
(S) Dibromofluoromethane	*100*		*76.0-123*		*12/06/2017 18:08*	WG1050212
(S) 4-Bromofluorobenzene	*94.6*		*80.0-120*		*12/06/2017 18:08*	WG1050212

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/06/2017 15:32	WG1050212
Toluene	ND		1.00	1	12/06/2017 15:32	WG1050212
Ethylbenzene	ND		1.00	1	12/06/2017 15:32	WG1050212
Total Xylenes	ND		3.00	1	12/06/2017 15:32	WG1050212
Methyl tert-butyl ether	ND		1.00	1	12/06/2017 15:32	WG1050212
Naphthalene	ND		5.00	1	12/06/2017 15:32	WG1050212
1,2-Dichloroethane	ND		1.00	1	12/06/2017 15:32	WG1050212
(S) Toluene-d8	*102*		*80.0-120*		*12/06/2017 15:32*	WG1050212
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*12/06/2017 15:32*	WG1050212
(S) 4-Bromofluorobenzene	*94.8*		*80.0-120*		*12/06/2017 15:32*	WG1050212

L954824-12 Original Sample (OS) • Duplicate (DUP)

(OS) L954824-12 12/07/17 11:23 • (DUP) R3271430-1 12/07/17 11:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	729000	756000	1	4.00		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L955185-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955185-01 12/07/17 13:57 • (DUP) R3271430-7 12/07/17 14:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	ND	5960	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

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

(LCS) R3271430-5 12/07/17 12:31 • (LCSD) R3271430-6 12/07/17 13:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	96100	101000	96.0	101	85.0-115			5.00	20

Sample Narrative:
LCS: Endpoint pH 4.5
LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3271992-1 12/11/17 14:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Ferrous Iron	U		15.0	50.0

L956062-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956062-01 12/11/17 14:13 • (DUP) R3271992-6 12/11/17 14:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ferrous Iron	67.0	67.0	1	0		20

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

(LCS) R3271992-2 12/11/17 14:08 • (LCSD) R3271992-3 12/11/17 14:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Ferrous Iron	1000	1080	1070	108	107	85-115			1.11	20

L954883-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954883-01 12/11/17 14:09 • (MS) R3271992-4 12/11/17 14:10 • (MSD) R3271992-5 12/11/17 14:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1500	U	1550	1550	103	103	1	80-120			0.0646	20

Method Blank (MB)

(MB) R3270934-1 12/06/17 06:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L955264-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955264-01 12/06/17 15:19 • (DUP) R3270934-4 12/06/17 15:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	ND	61.9	1	0		15
Sulfate	7800	7880	1	1		15

L955289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955289-01 12/06/17 17:34 • (DUP) R3270934-7 12/06/17 17:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	454	582	1	25	J3	15
Sulfate	6090	6220	1	2		15

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

(LCS) R3270934-2 12/06/17 06:45 • (LCSD) R3270934-3 12/06/17 06:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8090	8100	101	101	80-120			0	15
Sulfate	40000	39900	39900	100	100	80-120			0	15

L955264-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L955264-01 12/06/17 15:19 • (MS) R3270934-5 12/06/17 15:46 • (MSD) R3270934-6 12/06/17 16:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate	5000	ND	5320	5560	105	110	1	80-120			4	15
Sulfate	50000	7800	58300	58600	101	102	1	80-120			0	15

L955289-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L955289-01 12/06/17 17:34 • (MS) R3270934-8 12/06/17 18:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	454	5670	104	1	80-120	
Sulfate	50000	6090	57700	103	1	80-120	

Method Blank (MB)

(MB) R3271543-1 12/08/17 14:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L955239-05 Original Sample (OS) • Duplicate (DUP)

(OS) L955239-05 12/08/17 14:16 • (DUP) R3271543-2 12/08/17 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3271543-3 12/08/17 15:31 • (LCSD) R3271543-4 12/08/17 15:34

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	74.1	74.2	109	109	85.0-115			0.153	20
Ethane	129	112	114	86.8	88.2	85.0-115			1.54	20
Ethene	127	114	116	89.6	91.0	85.0-115			1.58	20

Method Blank (MB)

(MB) R3271536-2 12/06/17 13:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*95.9*			*76.0-123*
(S) 4-Bromofluorobenzene	*95.2*			*80.0-120*

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

(LCS) R3271536-1 12/06/17 12:17 • (LCSD) R3271536-3 12/06/17 13:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	24.6	26.4	98.4	106	70.0-130			6.94	20
1,2-Dichloroethane	25.0	24.1	25.3	96.4	101	70.0-130			4.86	20
Ethylbenzene	25.0	24.6	26.7	98.5	107	70.0-130			8.19	20
Methyl tert-butyl ether	25.0	24.2	25.6	97.0	103	70.0-130			5.61	20
Naphthalene	25.0	23.4	26.3	93.5	105	70.0-130			11.7	20
Toluene	25.0	24.4	26.4	97.7	105	70.0-130			7.71	20
Xylenes, Total	75.0	73.8	81.6	98.4	109	70.0-130			10.0	20
(S) Toluene-d8				*99.7*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*99.1*	*98.6*	*76.0-123*				
(S) 4-Bromofluorobenzene				*100*	*93.0*	*80.0-120*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
T8	Sample(s) received past/too close to holding time expiration.

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

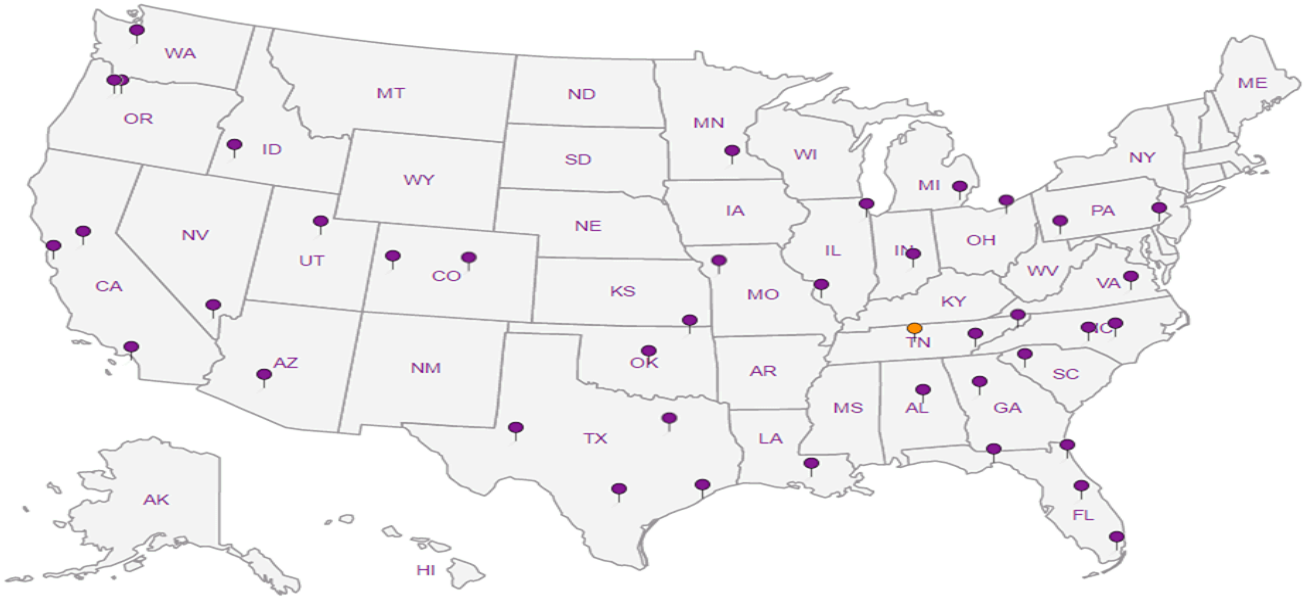
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA-LAP,LLC	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] 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.**



CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): M. WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2 DCA	Remarks	Sample # (lab only)
MW-03-120517	GRAB	GW	NA	12/05/17	1330	7	X	X	X	X		X	X	X	X		-01
MW-27B-120517		GW			1500	3				X	X	X	X	X	X		-02
MW-27B-D-120517		GW			1505	3				X	X	X	X	X	X		-03
MW-27-120517		GW			1510	7	X	X	X	X		X	X	X	X		-04
MW-01-120517		GW			1555	7	X	X	X	X		X	X	X	X		-05
MW-01B-120517		GW			1610	3				X		X	X	X	X		-06
MW-44B-120517		GW			1620	3				X		X	X	X	X		-07
FB01-120517		GW			1625	3				X	X	X	X	X	X		-08
TB01-120517		GW			1630	1					X						-09
		GW															

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

Remarks: *NITRATE/SULFATE* has a 48hr hold time. MW-27B-120517 AND MW-27B-D-120517 ARE NOT BLANKS.

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4142 5221 3131

Chain of Custody Page 1 of 1

ESC LABORATORY SCIENCES
a subsidiary of Accutest

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

L# L955277

A068

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17

Shipped Via: FedEX Ground

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

	Date:	Time:		
Relinquished by : (Signature)	12/5/17	1730	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Relinquished by : (Signature)			Received by: (Signature)	Temp: 0.3 °C Bottles Received: 35 — If preservation required by Login: Date/Time
Relinquished by : (Signature)			Received for lab by: (Signature)	Date: 12/6/17 Time: 845 — Hold: — Condition: NCF / OK

Andy Vann

From: Chris McCord
Sent: Wednesday, December 06, 2017 4:25 PM
To: Login; Sample Storage; Due WetLab
Cc: Chris Unterstein
Subject: L955277 *KINCH2MGA*

Please add FERUSFE to L955277-05.

Sample storage – Please label one of the 40mlAmb-HCl from VOCs for this test and take to Wetlab.

Chris U. – Limited volume. Could not analyze in the field. Please hold and analyze with other field sample for DUP/MS/MSD.

Thanks,

Christopher McCord
Project Manager
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
O: 615.773.3281 |C: 615.504.3183
cmccord@esclabsciences.com | www.esclabsciences.com

ANALYTICAL REPORT

December 14, 2017

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L955704
Samples Received:	12/07/2017
Project Number:	684910.LD.MR.GW
Description:	Lewis Drive Groundwater
Site:	LEWIS DR.
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

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.

TABLE OF CONTENTS

MW-26-120617 L955704-01 GW

Collected by: M. Warren | Collected date/time: 12/06/17 07:40 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050755	1	12/07/17 19:08	12/07/17 19:08	ACG

MW-26B-120617 L955704-02 GW

Collected by: M. Warren | Collected date/time: 12/06/17 07:50 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 01:57	12/08/17 01:57	LRL

MW-23-120617 L955704-03 GW

Collected by: M. Warren | Collected date/time: 12/06/17 08:00 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	10	12/08/17 02:17	12/08/17 02:17	LRL

MW-23B-120617 L955704-04 GW

Collected by: M. Warren | Collected date/time: 12/06/17 08:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 02:36	12/08/17 02:36	LRL

MW-46-120617 L955704-05 GW

Collected by: M. Warren | Collected date/time: 12/06/17 08:20 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 02:56	12/08/17 02:56	LRL

MW-29-120617 L955704-06 GW

Collected by: M. Warren | Collected date/time: 12/06/17 08:35 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 03:15	12/08/17 03:15	LRL

MW-43B-120617 L955704-07 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 03:35	12/08/17 03:35	LRL

MW-43-120617 L955704-08 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:10 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 03:55	12/08/17 03:55	LRL

MW-24-120617 L955704-09 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:15 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 04:15	12/08/17 04:15	LRL

MW-24B-120617 L955704-10 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:25 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 04:34	12/08/17 04:34	LRL

MW-37-120617 L955704-11 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:35 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 04:54	12/08/17 04:54	LRL

MW-38-120617 L955704-12 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:40 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 05:13	12/08/17 05:13	LRL

MW-15B-120617 L955704-13 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:50 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 05:32	12/08/17 05:32	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	50	12/09/17 06:41	12/09/17 06:41	LRL

MW-15B-D-120617 L955704-14 GW

Collected by: M. Warren | Collected date/time: 12/06/17 09:55 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 05:52	12/08/17 05:52	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	50	12/09/17 07:00	12/09/17 07:00	LRL

MW-15-120617 L955704-15 GW

Collected by: M. Warren | Collected date/time: 12/06/17 10:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:30	12/11/17 14:30	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:30	12/11/17 14:30	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 09:09	12/08/17 09:09	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 11:10	12/11/17 11:10	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 06:12	12/08/17 06:12	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/09/17 07:19	12/09/17 07:19	LRL

MW-34-120617 L955704-16 GW

Collected by: M. Warren | Collected date/time: 12/06/17 10:20 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	10	12/08/17 06:31	12/08/17 06:31	LRL

MW-39-120617 L955704-17 GW

Collected by: M. Warren | Collected date/time: 12/06/17 10:25 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	50	12/08/17 06:51	12/08/17 06:51	LRL

MW-39-D-120617 L955704-18 GW

Collected by: M. Warren | Collected date/time: 12/06/17 10:30 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 07:11	12/08/17 07:11	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	10	12/09/17 07:39	12/09/17 07:39	LRL

MW-40-120617 L955704-19 GW

Collected by: M. Warren | Collected date/time: 12/06/17 10:40 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:36	12/11/17 14:36	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:36	12/11/17 14:36	MCG
Wet Chemistry by Method 9056A	WG1050751	1	12/07/17 16:36	12/07/17 16:36	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 11:13	12/11/17 11:13	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1000	12/08/17 07:30	12/08/17 07:30	LRL

MW-41-120617 L955704-20 GW

Collected by: M. Warren | Collected date/time: 12/06/17 12:15 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 07:50	12/08/17 07:50	LRL

MW-25B-120617 L955704-21 GW

Collected by: M. Warren | Collected date/time: 12/06/17 12:40 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050994	1	12/08/17 08:10	12/08/17 08:10	LRL

MW-25-120617 L955704-22 GW

Collected by: M. Warren | Collected date/time: 12/06/17 12:45 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:41	12/11/17 14:41	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:41	12/11/17 14:41	MCG
Wet Chemistry by Method 9056A	WG1050751	1	12/07/17 16:50	12/07/17 16:50	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 11:20	12/11/17 11:20	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 22:02	12/07/17 22:02	DWR

MW-35-120617 L955704-23 GW

Collected by: M. Warren | Collected date/time: 12/06/17 13:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:47	12/11/17 14:47	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:47	12/11/17 14:47	MCG
Wet Chemistry by Method 9056A	WG1050751	1	12/07/17 17:58	12/07/17 17:58	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 13:31	12/11/17 13:31	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 22:22	12/07/17 22:22	DWR

MW-49-120617 L955704-24 GW

Collected by: M. Warren | Collected date/time: 12/06/17 13:20 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 22:41	12/07/17 22:41	DWR

MW-12B-120617 L955704-25 GW

Collected by: M. Warren | Collected date/time: 12/06/17 13:35 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 23:01	12/07/17 23:01	DWR

MW-12-120617 L955704-26 GW

Collected by: M. Warren | Collected date/time: 12/06/17 13:45 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:53	12/11/17 14:53	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:53	12/11/17 14:53	MCG
Wet Chemistry by Method 9056A	WG1050751	1	12/07/17 18:12	12/07/17 18:12	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 13:36	12/11/17 13:36	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	10	12/07/17 23:20	12/07/17 23:20	DWR

MW-14-120617 L955704-27 GW

Collected by: M. Warren | Collected date/time: 12/06/17 14:25 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 23:40	12/07/17 23:40	DWR

MW-14B-120617 L955704-28 GW

Collected by: M. Warren | Collected date/time: 12/06/17 14:30 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 00:00	12/08/17 00:00	DWR

MW-13B-120617 L955704-29 GW

Collected by: M. Warren | Collected date/time: 12/06/17 14:40 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 00:19	12/08/17 00:19	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	10	12/11/17 16:58	12/11/17 16:58	BMB

MW-42-120617 L955704-30 GW

Collected by: M. Warren | Collected date/time: 12/06/17 12:30 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1050810	1	12/11/17 14:59	12/11/17 14:59	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1050810	1	12/11/17 14:59	12/11/17 14:59	MCG
Wet Chemistry by Method 9056A	WG1050751	1	12/07/17 18:25	12/07/17 18:25	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052064	1	12/11/17 11:50	12/11/17 11:50	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 00:38	12/08/17 00:38	DWR

MW-50B-120617 L955704-31 GW

Collected by: M. Warren | Collected date/time: 12/06/17 15:00 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 00:58	12/08/17 00:58	DWR

MW-48B-120617 L955704-32 GW

Collected by: M. Warren | Collected date/time: 12/06/17 15:10 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 01:17	12/08/17 01:17	DWR

MW-47-120617 L955704-33 GW

Collected by: M. Warren | Collected date/time: 12/06/17 15:45 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 01:37	12/08/17 01:37	DWR

MW-31-120617 L955704-34 GW

Collected by: M. Warren | Collected date/time: 12/06/17 15:50 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 01:57	12/08/17 01:57	DWR

MW-33T-120617 L955704-35 GW

Collected by: M. Warren | Collected date/time: 12/06/17 16:00 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 02:16	12/08/17 02:16	DWR

FB01-120617 L955704-36 GW

Collected by: M. Warren | Collected date/time: 12/06/17 16:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/08/17 02:36	12/08/17 02:36	DWR

TB01-120617 L955704-37 GW

Collected by: M. Warren | Collected date/time: 12/06/17 15:05 | Received date/time: 12/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1050996	1	12/07/17 19:44	12/07/17 19:44	DWR

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

Chris McCord
Technical Service Representative

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 19:08	WG1050755
Toluene	ND		1.00	1	12/07/2017 19:08	WG1050755
Ethylbenzene	ND		1.00	1	12/07/2017 19:08	WG1050755
Total Xylenes	ND		3.00	1	12/07/2017 19:08	WG1050755
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 19:08	WG1050755
Naphthalene	ND		5.00	1	12/07/2017 19:08	WG1050755
1,2-Dichloroethane	ND		1.00	1	12/07/2017 19:08	WG1050755
(S) Toluene-d8	*106*		*80.0-120*		*12/07/2017 19:08*	WG1050755
(S) Dibromofluoromethane	*90.3*		*76.0-123*		*12/07/2017 19:08*	WG1050755
(S) 4-Bromofluorobenzene	*116*		*80.0-120*		*12/07/2017 19:08*	WG1050755

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 01:57	WG1050994
Toluene	ND		1.00	1	12/08/2017 01:57	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 01:57	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 01:57	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 01:57	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 01:57	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 01:57	WG1050994
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 01:57*	WG1050994
(S) Dibromofluoromethane	*97.6*		*76.0-123*		*12/08/2017 01:57*	WG1050994
(S) 4-Bromofluorobenzene	*98.7*		*80.0-120*		*12/08/2017 01:57*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	693		10.0	10	12/08/2017 02:17	WG1050994
Toluene	17.0		10.0	10	12/08/2017 02:17	WG1050994
Ethylbenzene	ND		10.0	10	12/08/2017 02:17	WG1050994
Total Xylenes	408		30.0	10	12/08/2017 02:17	WG1050994
Methyl tert-butyl ether	99.5		10.0	10	12/08/2017 02:17	WG1050994
Naphthalene	ND		50.0	10	12/08/2017 02:17	WG1050994
1,2-Dichloroethane	ND		10.0	10	12/08/2017 02:17	WG1050994
(S) Toluene-d8	*101*		*80.0-120*		*12/08/2017 02:17*	WG1050994
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*12/08/2017 02:17*	WG1050994
(S) 4-Bromofluorobenzene	*97.9*		*80.0-120*		*12/08/2017 02:17*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 02:36	WG1050994
Toluene	2.48		1.00	1	12/08/2017 02:36	WG1050994
Ethylbenzene	1.20		1.00	1	12/08/2017 02:36	WG1050994
Total Xylenes	7.93		3.00	1	12/08/2017 02:36	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 02:36	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 02:36	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 02:36	WG1050994
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 02:36*	WG1050994
(S) Dibromofluoromethane	*95.9*		*76.0-123*		*12/08/2017 02:36*	WG1050994
(S) 4-Bromofluorobenzene	*98.8*		*80.0-120*		*12/08/2017 02:36*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.97		1.00	1	12/08/2017 02:56	WG1050994
Toluene	ND		1.00	1	12/08/2017 02:56	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 02:56	WG1050994
Total Xylenes	7.74		3.00	1	12/08/2017 02:56	WG1050994
Methyl tert-butyl ether	85.5		1.00	1	12/08/2017 02:56	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 02:56	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 02:56	WG1050994
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 02:56*	WG1050994
(S) Dibromofluoromethane	*98.2*		*76.0-123*		*12/08/2017 02:56*	WG1050994
(S) 4-Bromofluorobenzene	*98.7*		*80.0-120*		*12/08/2017 02:56*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 03:15	WG1050994
Toluene	ND		1.00	1	12/08/2017 03:15	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 03:15	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 03:15	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 03:15	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 03:15	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 03:15	WG1050994
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 03:15*	WG1050994
(S) Dibromofluoromethane	*98.4*		*76.0-123*		*12/08/2017 03:15*	WG1050994
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/08/2017 03:15*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 03:35	WG1050994
Toluene	ND		1.00	1	12/08/2017 03:35	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 03:35	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 03:35	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 03:35	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 03:35	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 03:35	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 03:35*	WG1050994
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*12/08/2017 03:35*	WG1050994
(S) 4-Bromofluorobenzene	*99.2*		*80.0-120*		*12/08/2017 03:35*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 03:55	WG1050994
Toluene	ND		1.00	1	12/08/2017 03:55	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 03:55	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 03:55	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 03:55	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 03:55	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 03:55	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 03:55*	WG1050994
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*12/08/2017 03:55*	WG1050994
(S) 4-Bromofluorobenzene	*98.8*		*80.0-120*		*12/08/2017 03:55*	WG1050994

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/08/2017 04:15	WG1050994
Toluene	ND		1.00	1	12/08/2017 04:15	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 04:15	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 04:15	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 04:15	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 04:15	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 04:15	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 04:15*	WG1050994
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*12/08/2017 04:15*	WG1050994
(S) 4-Bromofluorobenzene	*96.3*		*80.0-120*		*12/08/2017 04:15*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 04:34	WG1050994
Toluene	ND		1.00	1	12/08/2017 04:34	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 04:34	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 04:34	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 04:34	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 04:34	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 04:34	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 04:34*	WG1050994
(S) Dibromofluoromethane	*95.6*		*76.0-123*		*12/08/2017 04:34*	WG1050994
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*12/08/2017 04:34*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 04:54	WG1050994
Toluene	ND		1.00	1	12/08/2017 04:54	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 04:54	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 04:54	WG1050994
Methyl tert-butyl ether	2.93		1.00	1	12/08/2017 04:54	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 04:54	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 04:54	WG1050994
(S) Toluene-d8	*105*		*80.0-120*		*12/08/2017 04:54*	WG1050994
(S) Dibromofluoromethane	*97.5*		*76.0-123*		*12/08/2017 04:54*	WG1050994
(S) 4-Bromofluorobenzene	*98.9*		*80.0-120*		*12/08/2017 04:54*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	102		1.00	1	12/08/2017 05:13	WG1050994
Toluene	ND		1.00	1	12/08/2017 05:13	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 05:13	WG1050994
Total Xylenes	86.1		3.00	1	12/08/2017 05:13	WG1050994
Methyl tert-butyl ether	38.0		1.00	1	12/08/2017 05:13	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 05:13	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 05:13	WG1050994
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 05:13*	WG1050994
(S) Dibromofluoromethane	*96.6*		*76.0-123*		*12/08/2017 05:13*	WG1050994
(S) 4-Bromofluorobenzene	*98.2*		*80.0-120*		*12/08/2017 05:13*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1760		50.0	50	12/09/2017 06:41	WG1050994
Toluene	3630		50.0	50	12/09/2017 06:41	WG1050994
Ethylbenzene	239		50.0	50	12/09/2017 06:41	WG1050994
Total Xylenes	1380		150	50	12/09/2017 06:41	WG1050994
Methyl tert-butyl ether	135		1.00	1	12/08/2017 05:32	WG1050994
Naphthalene	37.6		5.00	1	12/08/2017 05:32	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 05:32	WG1050994
(S) Toluene-d8	*95.9*		*80.0-120*		*12/09/2017 06:41*	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 05:32*	WG1050994
(S) Dibromofluoromethane	*98.2*		*76.0-123*		*12/09/2017 06:41*	WG1050994
(S) Dibromofluoromethane	*109*		*76.0-123*		*12/08/2017 05:32*	WG1050994
(S) 4-Bromofluorobenzene	*99.7*		*80.0-120*		*12/08/2017 05:32*	WG1050994
(S) 4-Bromofluorobenzene	*98.5*		*80.0-120*		*12/09/2017 06:41*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	491		50.0	50	12/09/2017 07:00	WG1050994
Toluene	1050		50.0	50	12/09/2017 07:00	WG1050994
Ethylbenzene	56.0		50.0	50	12/09/2017 07:00	WG1050994
Total Xylenes	408		150	50	12/09/2017 07:00	WG1050994
Methyl tert-butyl ether	117		1.00	1	12/08/2017 05:52	WG1050994
Naphthalene	35.4		5.00	1	12/08/2017 05:52	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 05:52	WG1050994
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 05:52*	WG1050994
(S) Toluene-d8	*97.0*		*80.0-120*		*12/09/2017 07:00*	WG1050994
(S) Dibromofluoromethane	*104*		*76.0-123*		*12/08/2017 05:52*	WG1050994
(S) Dibromofluoromethane	*98.8*		*76.0-123*		*12/09/2017 07:00*	WG1050994
(S) 4-Bromofluorobenzene	*98.8*		*80.0-120*		*12/08/2017 05:52*	WG1050994
(S) 4-Bromofluorobenzene	*97.6*		*80.0-120*		*12/09/2017 07:00*	WG1050994

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/11/2017 14:30	WG1050810

Sample Narrative:
L955704-15 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/11/2017 14:30	WG1050810

Sample Narrative:
L955704-15 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	670		100	1	12/08/2017 09:09	WG1051268
Sulfate	ND		5000	1	12/08/2017 09:09	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/11/2017 11:10	WG1052064
Ethane	ND		13.0	1	12/11/2017 11:10	WG1052064
Ethene	ND		13.0	1	12/11/2017 11:10	WG1052064

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 07:19	WG1050994
Toluene	1.60		1.00	1	12/09/2017 07:19	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 06:12	WG1050994
Total Xylenes	4.64		3.00	1	12/09/2017 07:19	WG1050994
Methyl tert-butyl ether	140		1.00	1	12/08/2017 06:12	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 06:12	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 06:12	WG1050994
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 06:12*	WG1050994
(S) Toluene-d8	*96.8*		*80.0-120*		*12/09/2017 07:19*	WG1050994
(S) Dibromofluoromethane	*94.8*		*76.0-123*		*12/08/2017 06:12*	WG1050994
(S) Dibromofluoromethane	*97.8*		*76.0-123*		*12/09/2017 07:19*	WG1050994
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/09/2017 07:19*	WG1050994
(S) 4-Bromofluorobenzene	*99.5*		*80.0-120*		*12/08/2017 06:12*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	169		10.0	10	12/08/2017 06:31	WG1050994
Toluene	29.7		10.0	10	12/08/2017 06:31	WG1050994
Ethylbenzene	ND		10.0	10	12/08/2017 06:31	WG1050994
Total Xylenes	69.9		30.0	10	12/08/2017 06:31	WG1050994
Methyl tert-butyl ether	218		10.0	10	12/08/2017 06:31	WG1050994
Naphthalene	ND		50.0	10	12/08/2017 06:31	WG1050994
1,2-Dichloroethane	ND		10.0	10	12/08/2017 06:31	WG1050994
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 06:31*	WG1050994
(S) Dibromofluoromethane	*95.5*		*76.0-123*		*12/08/2017 06:31*	WG1050994
(S) 4-Bromofluorobenzene	*99.3*		*80.0-120*		*12/08/2017 06:31*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	345		50.0	50	12/08/2017 06:51	WG1050994
Toluene	68.5		50.0	50	12/08/2017 06:51	WG1050994
Ethylbenzene	ND		50.0	50	12/08/2017 06:51	WG1050994
Total Xylenes	150		150	50	12/08/2017 06:51	WG1050994
Methyl tert-butyl ether	355		50.0	50	12/08/2017 06:51	WG1050994
Naphthalene	ND		250	50	12/08/2017 06:51	WG1050994
1,2-Dichloroethane	ND		50.0	50	12/08/2017 06:51	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 06:51*	WG1050994
(S) Dibromofluoromethane	*94.6*		*76.0-123*		*12/08/2017 06:51*	WG1050994
(S) 4-Bromofluorobenzene	*99.8*		*80.0-120*		*12/08/2017 06:51*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	286		10.0	10	12/09/2017 07:39	WG1050994
Toluene	31.3		1.00	1	12/08/2017 07:11	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 07:11	WG1050994
Total Xylenes	131		3.00	1	12/08/2017 07:11	WG1050994
Methyl tert-butyl ether	353		10.0	10	12/09/2017 07:39	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 07:11	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 07:11	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 07:11*	WG1050994
(S) Toluene-d8	*94.1*		*80.0-120*		*12/09/2017 07:39*	WG1050994
(S) Dibromofluoromethane	*96.2*		*76.0-123*		*12/08/2017 07:11*	WG1050994
(S) Dibromofluoromethane	*96.7*		*76.0-123*		*12/09/2017 07:39*	WG1050994
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*12/09/2017 07:39*	WG1050994
(S) 4-Bromofluorobenzene	*99.5*		*80.0-120*		*12/08/2017 07:11*	WG1050994

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	25500		20000	1	12/11/2017 14:36	WG1050810

Sample Narrative:
L955704-19 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	22100	T8	20000	1	12/11/2017 14:36	WG1050810

Sample Narrative:
L955704-19 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate as (N)	ND		100	1	12/07/2017 16:36	WG1050751
Sulfate	ND		5000	1	12/07/2017 16:36	WG1050751

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	65.2		10.0	1	12/11/2017 11:13	WG1052064
Ethane	ND		13.0	1	12/11/2017 11:13	WG1052064
Ethene	ND		13.0	1	12/11/2017 11:13	WG1052064

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	14300		1000	1000	12/08/2017 07:30	WG1050994
Toluene	22300		1000	1000	12/08/2017 07:30	WG1050994
Ethylbenzene	ND		1000	1000	12/08/2017 07:30	WG1050994
Total Xylenes	10100		3000	1000	12/08/2017 07:30	WG1050994
Methyl tert-butyl ether	ND		1000	1000	12/08/2017 07:30	WG1050994
Naphthalene	ND		5000	1000	12/08/2017 07:30	WG1050994
1,2-Dichloroethane	ND		1000	1000	12/08/2017 07:30	WG1050994
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 07:30*	WG1050994
(S) Dibromofluoromethane	*98.6*		*76.0-123*		*12/08/2017 07:30*	WG1050994
(S) 4-Bromofluorobenzene	*97.3*		*80.0-120*		*12/08/2017 07:30*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	27.6		1.00	1	12/08/2017 07:50	WG1050994
Toluene	ND		1.00	1	12/08/2017 07:50	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 07:50	WG1050994
Total Xylenes	11.1		3.00	1	12/08/2017 07:50	WG1050994
Methyl tert-butyl ether	1.62		1.00	1	12/08/2017 07:50	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 07:50	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 07:50	WG1050994
(S) Toluene-d8	*105*		*80.0-120*		*12/08/2017 07:50*	WG1050994
(S) Dibromofluoromethane	*94.8*		*76.0-123*		*12/08/2017 07:50*	WG1050994
(S) 4-Bromofluorobenzene	*98.8*		*80.0-120*		*12/08/2017 07:50*	WG1050994

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 08:10	WG1050994
Toluene	ND		1.00	1	12/08/2017 08:10	WG1050994
Ethylbenzene	ND		1.00	1	12/08/2017 08:10	WG1050994
Total Xylenes	ND		3.00	1	12/08/2017 08:10	WG1050994
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 08:10	WG1050994
Naphthalene	ND		5.00	1	12/08/2017 08:10	WG1050994
1,2-Dichloroethane	ND		1.00	1	12/08/2017 08:10	WG1050994
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 08:10*	WG1050994
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*12/08/2017 08:10*	WG1050994
(S) 4-Bromofluorobenzene	*95.8*		*80.0-120*		*12/08/2017 08:10*	WG1050994

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/11/2017 14:41	WG1050810

Sample Narrative:
L955704-22 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	20400	T8	20000	1	12/11/2017 14:41	WG1050810

Sample Narrative:
L955704-22 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/07/2017 16:50	WG1050751
Sulfate	ND		5000	1	12/07/2017 16:50	WG1050751

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	42.2		10.0	1	12/11/2017 11:20	WG1052064
Ethane	ND		13.0	1	12/11/2017 11:20	WG1052064
Ethene	ND		13.0	1	12/11/2017 11:20	WG1052064

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	23.8		1.00	1	12/07/2017 22:02	WG1050996
Toluene	ND		1.00	1	12/07/2017 22:02	WG1050996
Ethylbenzene	1.84		1.00	1	12/07/2017 22:02	WG1050996
Total Xylenes	60.5		3.00	1	12/07/2017 22:02	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 22:02	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 22:02	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 22:02	WG1050996
(S) Toluene-d8	*102*		*80.0-120*		*12/07/2017 22:02*	WG1050996
(S) Dibromofluoromethane	*109*		*76.0-123*		*12/07/2017 22:02*	WG1050996
(S) 4-Bromofluorobenzene	*87.0*		*80.0-120*		*12/07/2017 22:02*	WG1050996

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/11/2017 14:47	WG1050810

Sample Narrative:
L955704-23 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	24200	T8	20000	1	12/11/2017 14:47	WG1050810

Sample Narrative:
L955704-23 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	382		100	1	12/07/2017 17:58	WG1050751
Sulfate	ND		5000	1	12/07/2017 17:58	WG1050751

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/11/2017 13:31	WG1052064
Ethane	ND		13.0	1	12/11/2017 13:31	WG1052064
Ethene	ND		13.0	1	12/11/2017 13:31	WG1052064

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 22:22	WG1050996
Toluene	ND		1.00	1	12/07/2017 22:22	WG1050996
Ethylbenzene	ND		1.00	1	12/07/2017 22:22	WG1050996
Total Xylenes	ND		3.00	1	12/07/2017 22:22	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 22:22	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 22:22	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 22:22	WG1050996
(S) Toluene-d8	*103*		*80.0-120*		*12/07/2017 22:22*	WG1050996
(S) Dibromofluoromethane	*109*		*76.0-123*		*12/07/2017 22:22*	WG1050996
(S) 4-Bromofluorobenzene	*87.5*		*80.0-120*		*12/07/2017 22:22*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 22:41	WG1050996
Toluene	ND		1.00	1	12/07/2017 22:41	WG1050996
Ethylbenzene	ND		1.00	1	12/07/2017 22:41	WG1050996
Total Xylenes	ND		3.00	1	12/07/2017 22:41	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 22:41	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 22:41	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 22:41	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/07/2017 22:41*	WG1050996
(S) Dibromofluoromethane	*110*		*76.0-123*		*12/07/2017 22:41*	WG1050996
(S) 4-Bromofluorobenzene	*87.4*		*80.0-120*		*12/07/2017 22:41*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.01		1.00	1	12/07/2017 23:01	WG1050996
Toluene	ND		1.00	1	12/07/2017 23:01	WG1050996
Ethylbenzene	ND		1.00	1	12/07/2017 23:01	WG1050996
Total Xylenes	ND		3.00	1	12/07/2017 23:01	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 23:01	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 23:01	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 23:01	WG1050996
(S) Toluene-d8	*102*		*80.0-120*		*12/07/2017 23:01*	WG1050996
(S) Dibromofluoromethane	*111*		*76.0-123*		*12/07/2017 23:01*	WG1050996
(S) 4-Bromofluorobenzene	*88.9*		*80.0-120*		*12/07/2017 23:01*	WG1050996

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	31600		20000	1	12/11/2017 14:53	WG1050810

Sample Narrative:
L955704-26 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/11/2017 14:53	WG1050810

Sample Narrative:
L955704-26 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/07/2017 18:12	WG1050751
Sulfate	ND		5000	1	12/07/2017 18:12	WG1050751

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/11/2017 13:36	WG1052064
Ethane	ND		13.0	1	12/11/2017 13:36	WG1052064
Ethene	ND		13.0	1	12/11/2017 13:36	WG1052064

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	367		10.0	10	12/07/2017 23:20	WG1050996
Toluene	1540		10.0	10	12/07/2017 23:20	WG1050996
Ethylbenzene	137		10.0	10	12/07/2017 23:20	WG1050996
Total Xylenes	4660		30.0	10	12/07/2017 23:20	WG1050996
Methyl tert-butyl ether	ND		10.0	10	12/07/2017 23:20	WG1050996
Naphthalene	54.4		50.0	10	12/07/2017 23:20	WG1050996
1,2-Dichloroethane	ND		10.0	10	12/07/2017 23:20	WG1050996
(S) Toluene-d8	*102*		*80.0-120*		*12/07/2017 23:20*	WG1050996
(S) Dibromofluoromethane	*108*		*76.0-123*		*12/07/2017 23:20*	WG1050996
(S) 4-Bromofluorobenzene	*87.3*		*80.0-120*		*12/07/2017 23:20*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 23:40	WG1050996
Toluene	ND		1.00	1	12/07/2017 23:40	WG1050996
Ethylbenzene	ND		1.00	1	12/07/2017 23:40	WG1050996
Total Xylenes	ND		3.00	1	12/07/2017 23:40	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 23:40	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 23:40	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 23:40	WG1050996
(S) Toluene-d8	*103*		*80.0-120*		*12/07/2017 23:40*	WG1050996
(S) Dibromofluoromethane	*109*		*76.0-123*		*12/07/2017 23:40*	WG1050996
(S) 4-Bromofluorobenzene	*89.1*		*80.0-120*		*12/07/2017 23:40*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.82		1.00	1	12/08/2017 00:00	WG1050996
Toluene	ND		1.00	1	12/08/2017 00:00	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 00:00	WG1050996
Total Xylenes	6.91		3.00	1	12/08/2017 00:00	WG1050996
Methyl tert-butyl ether	24.4		1.00	1	12/08/2017 00:00	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 00:00	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 00:00	WG1050996
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 00:00*	WG1050996
(S) Dibromofluoromethane	*81.1*		*76.0-123*		*12/08/2017 00:00*	WG1050996
(S) 4-Bromofluorobenzene	*91.1*		*80.0-120*		*12/08/2017 00:00*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	269		10.0	10	12/11/2017 16:58	WG1050996
Toluene	24.4		1.00	1	12/08/2017 00:19	WG1050996
Ethylbenzene	3.97		1.00	1	12/08/2017 00:19	WG1050996
Total Xylenes	100		3.00	1	12/08/2017 00:19	WG1050996
Methyl tert-butyl ether	140		1.00	1	12/08/2017 00:19	WG1050996
Naphthalene	8.83		5.00	1	12/08/2017 00:19	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 00:19	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 00:19*	WG1050996
(S) Toluene-d8	*98.3*		*80.0-120*		*12/11/2017 16:58*	WG1050996
(S) Dibromofluoromethane	*94.4*		*76.0-123*		*12/11/2017 16:58*	WG1050996
(S) Dibromofluoromethane	*92.2*		*76.0-123*		*12/08/2017 00:19*	WG1050996
(S) 4-Bromofluorobenzene	*89.8*		*80.0-120*		*12/08/2017 00:19*	WG1050996
(S) 4-Bromofluorobenzene	*98.7*		*80.0-120*		*12/11/2017 16:58*	WG1050996

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/11/2017 14:59	WG1050810

Sample Narrative:
L955704-30 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	32500	T8	20000	1	12/11/2017 14:59	WG1050810

Sample Narrative:
L955704-30 WG1050810: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/07/2017 18:25	WG1050751
Sulfate	ND		5000	1	12/07/2017 18:25	WG1050751

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	37.1		10.0	1	12/11/2017 11:50	WG1052064
Ethane	ND		13.0	1	12/11/2017 11:50	WG1052064
Ethene	ND		13.0	1	12/11/2017 11:50	WG1052064

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9.82		1.00	1	12/08/2017 00:38	WG1050996
Toluene	ND		1.00	1	12/08/2017 00:38	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 00:38	WG1050996
Total Xylenes	45.0		3.00	1	12/08/2017 00:38	WG1050996
Methyl tert-butyl ether	1.24		1.00	1	12/08/2017 00:38	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 00:38	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 00:38	WG1050996
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 00:38*	WG1050996
(S) Dibromofluoromethane	*109*		*76.0-123*		*12/08/2017 00:38*	WG1050996
(S) 4-Bromofluorobenzene	*89.5*		*80.0-120*		*12/08/2017 00:38*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.37		1.00	1	12/08/2017 00:58	WG1050996
Toluene	ND		1.00	1	12/08/2017 00:58	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 00:58	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 00:58	WG1050996
Methyl tert-butyl ether	35.5		1.00	1	12/08/2017 00:58	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 00:58	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 00:58	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 00:58*	WG1050996
(S) Dibromofluoromethane	*111*		*76.0-123*		*12/08/2017 00:58*	WG1050996
(S) 4-Bromofluorobenzene	*87.9*		*80.0-120*		*12/08/2017 00:58*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 01:17	WG1050996
Toluene	ND		1.00	1	12/08/2017 01:17	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 01:17	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 01:17	WG1050996
Methyl tert-butyl ether	2.92		1.00	1	12/08/2017 01:17	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 01:17	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 01:17	WG1050996
(S) Toluene-d8	*102*		*80.0-120*		*12/08/2017 01:17*	WG1050996
(S) Dibromofluoromethane	*110*		*76.0-123*		*12/08/2017 01:17*	WG1050996
(S) 4-Bromofluorobenzene	*87.2*		*80.0-120*		*12/08/2017 01:17*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 01:37	WG1050996
Toluene	ND		1.00	1	12/08/2017 01:37	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 01:37	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 01:37	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 01:37	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 01:37	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 01:37	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 01:37*	WG1050996
(S) Dibromofluoromethane	*110*		*76.0-123*		*12/08/2017 01:37*	WG1050996
(S) 4-Bromofluorobenzene	*90.2*		*80.0-120*		*12/08/2017 01:37*	WG1050996

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/08/2017 01:57	WG1050996
Toluene	ND		1.00	1	12/08/2017 01:57	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 01:57	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 01:57	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 01:57	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 01:57	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 01:57	WG1050996
(S) Toluene-d8	*103*		*80.0-120*		*12/08/2017 01:57*	WG1050996
(S) Dibromofluoromethane	*108*		*76.0-123*		*12/08/2017 01:57*	WG1050996
(S) 4-Bromofluorobenzene	*87.4*		*80.0-120*		*12/08/2017 01:57*	WG1050996

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/08/2017 02:16	WG1050996
Toluene	ND		1.00	1	12/08/2017 02:16	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 02:16	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 02:16	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 02:16	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 02:16	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 02:16	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 02:16*	WG1050996
(S) Dibromofluoromethane	*111*		*76.0-123*		*12/08/2017 02:16*	WG1050996
(S) 4-Bromofluorobenzene	*86.7*		*80.0-120*		*12/08/2017 02:16*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/08/2017 02:36	WG1050996
Toluene	ND		1.00	1	12/08/2017 02:36	WG1050996
Ethylbenzene	ND		1.00	1	12/08/2017 02:36	WG1050996
Total Xylenes	ND		3.00	1	12/08/2017 02:36	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/08/2017 02:36	WG1050996
Naphthalene	ND		5.00	1	12/08/2017 02:36	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/08/2017 02:36	WG1050996
(S) Toluene-d8	*104*		*80.0-120*		*12/08/2017 02:36*	WG1050996
(S) Dibromofluoromethane	*111*		*76.0-123*		*12/08/2017 02:36*	WG1050996
(S) 4-Bromofluorobenzene	*86.0*		*80.0-120*		*12/08/2017 02:36*	WG1050996

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/07/2017 19:44	WG1050996
Toluene	ND		1.00	1	12/07/2017 19:44	WG1050996
Ethylbenzene	ND		1.00	1	12/07/2017 19:44	WG1050996
Total Xylenes	ND		3.00	1	12/07/2017 19:44	WG1050996
Methyl tert-butyl ether	ND		1.00	1	12/07/2017 19:44	WG1050996
Naphthalene	ND		5.00	1	12/07/2017 19:44	WG1050996
1,2-Dichloroethane	ND		1.00	1	12/07/2017 19:44	WG1050996
(S) Toluene-d8	*103*		*80.0-120*		*12/07/2017 19:44*	WG1050996
(S) Dibromofluoromethane	*110*		*76.0-123*		*12/07/2017 19:44*	WG1050996
(S) 4-Bromofluorobenzene	*87.7*		*80.0-120*		*12/07/2017 19:44*	WG1050996

L955794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955794-01 12/11/17 12:22 • (DUP) R3272014-1 12/11/17 12:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	352000	360000	1	2.20		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L956434-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956434-01 12/11/17 14:15 • (DUP) R3272014-5 12/11/17 14:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	286000	290000	1	1.42		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

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

(LCS) R3272014-2 12/11/17 12:35 • (LCSD) R3272014-3 12/11/17 13:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	105000	107000	105	107	85.0-115			2.14	20

Sample Narrative:
LCS: Endpoint pH 4.5
LCSD: Endpoint pH 4.5

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

L955794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955794-01 12/11/17 12:22 • (DUP) R3272014-6 12/11/17 12:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	38000	26100	1	37.1	P1	20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3271443-1 12/07/17 11:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L955704-22 Original Sample (OS) • Duplicate (DUP)

(OS) L955704-22 12/07/17 16:50 • (DUP) R3271443-4 12/07/17 17:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	ND	0.000	1	0		15
Sulfate	ND	366	1	0		15

L955838-03 Original Sample (OS) • Duplicate (DUP)

(OS) L955838-03 12/07/17 20:41 • (DUP) R3271443-6 12/07/17 20:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	736	756	1	2.71		15
Sulfate	6020	5820	1	3.31		15

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

(LCS) R3271443-2 12/07/17 11:46 • (LCSD) R3271443-3 12/07/17 11:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8240	8230	103	103	80-120			0.209	15
Sulfate	40000	40100	39900	100	99.7	80-120			0.524	15

L955704-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L955704-22 12/07/17 16:50 • (MS) R3271443-5 12/07/17 17:17

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Nitrate	5000	ND	4730	94.6	1	80-120	
Sulfate	50000	ND	50700	100	1	80-120	

L955838-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L955838-07 12/08/17 00:06 • (MS) R3271443-7 12/08/17 00:19 • (MSD) R3271443-8 12/08/17 00:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate	5000	82.0	5040	5050	99.2	99.3	1	80-120			0.0674	15

Method Blank (MB)

(MB) R3271611-1 12/08/17 07:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L956118-03 Original Sample (OS) • Duplicate (DUP)

(OS) L956118-03 12/08/17 16:05 • (DUP) R3271611-4 12/08/17 16:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	U	0.000	1	0		15
Sulfate	1430	1420	1	1	J	15

L956125-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956125-01 12/08/17 17:44 • (DUP) R3271611-6 12/08/17 17:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	111	205	1	59	P1	15
Sulfate	ND	228	1	0		15

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

(LCS) R3271611-2 12/08/17 07:15 • (LCSD) R3271611-3 12/08/17 07:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8430	8380	105	105	80-120			1	15
Sulfate	40000	40800	40400	102	101	80-120			1	15

L956118-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L956118-03 12/08/17 16:05 • (MS) R3271611-5 12/08/17 17:02

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Nitrate	5000	U	3110	62	1	80-120	J6
Sulfate	50000	1430	33500	64	1	80-120	J6

L956125-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L956125-01 12/08/17 17:44 • (MS) R3271611-7 12/08/17 18:12 • (MSD) R3271611-8 12/08/17 18:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	5000	111	5070	5280	99	103	1	80-120			4	15
Sulfate	50000	ND	54100	53700	108	107	1	80-120			1	15

Method Blank (MB)

(MB) R3271906-1 12/11/17 09:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L955704-15 Original Sample (OS) • Duplicate (DUP)

(OS) L955704-15 12/11/17 11:10 • (DUP) R3271906-2 12/11/17 11:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L956083-09 Original Sample (OS) • Duplicate (DUP)

(OS) L956083-09 12/11/17 13:06 • (DUP) R3271906-3 12/11/17 13:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	65.0	67.4	1	3.59		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3271906-4 12/11/17 13:51 • (LCSD) R3271906-5 12/11/17 14:00

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	73.0	77.4	108	114	85.0-115			5.87	20
Ethane	129	111	114	86.0	88.3	85.0-115			2.63	20
Ethene	127	112	117	88.6	91.7	85.0-115			3.52	20

Method Blank (MB)

(MB) R3271497-2 12/07/17 11:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*89.7*			*76.0-123*
(S) 4-Bromofluorobenzene	*118*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3271497-1 12/07/17 10:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	25.8	103	70.0-130	
1,2-Dichloroethane	25.0	25.2	101	70.0-130	
Ethylbenzene	25.0	30.0	120	70.0-130	
Methyl tert-butyl ether	25.0	25.3	101	70.0-130	
Naphthalene	25.0	20.9	83.4	70.0-130	
Toluene	25.0	29.7	119	70.0-130	
Xylenes, Total	75.0	89.8	120	70.0-130	
(S) Toluene-d8			*109*	*80.0-120*	
(S) Dibromofluoromethane			*89.5*	*76.0-123*	
(S) 4-Bromofluorobenzene			*118*	*80.0-120*	

Method Blank (MB)

(MB) R3271516-2 12/07/17 21:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*93.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

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

(LCS) R3271516-1 12/07/17 19:17 • (LCSD) R3271516-3 12/07/17 21:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	25.3	25.1	101	100	70.0-130			0.989	20
1,2-Dichloroethane	25.0	24.8	24.7	99.1	98.8	70.0-130			0.327	20
Ethylbenzene	25.0	26.7	26.1	107	104	70.0-130			2.44	20
Methyl tert-butyl ether	25.0	23.5	24.0	93.9	95.9	70.0-130			2.08	20
Naphthalene	25.0	24.7	25.3	98.6	101	70.0-130			2.46	20
Toluene	25.0	26.5	25.6	106	102	70.0-130			3.57	20
Xylenes, Total	75.0	79.9	76.8	107	102	70.0-130			3.96	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*94.3*	*97.3*	*76.0-123*				
(S) 4-Bromofluorobenzene				*99.3*	*99.6*	*80.0-120*				

Method Blank (MB)

(MB) R3272020-2 12/07/17 19:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*110*			*76.0-123*
(S) 4-Bromofluorobenzene	*89.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3272020-1 12/07/17 18:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	26.3	105	70.0-130	
1,2-Dichloroethane	25.0	26.6	107	70.0-130	
Ethylbenzene	25.0	24.8	99.3	70.0-130	
Methyl tert-butyl ether	25.0	26.5	106	70.0-130	
Naphthalene	25.0	27.2	109	70.0-130	
Toluene	25.0	23.7	94.6	70.0-130	
Xylenes, Total	75.0	75.5	101	70.0-130	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*106*	*76.0-123*	
(S) 4-Bromofluorobenzene			*89.2*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

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
Conneticut	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 [1 4]	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		

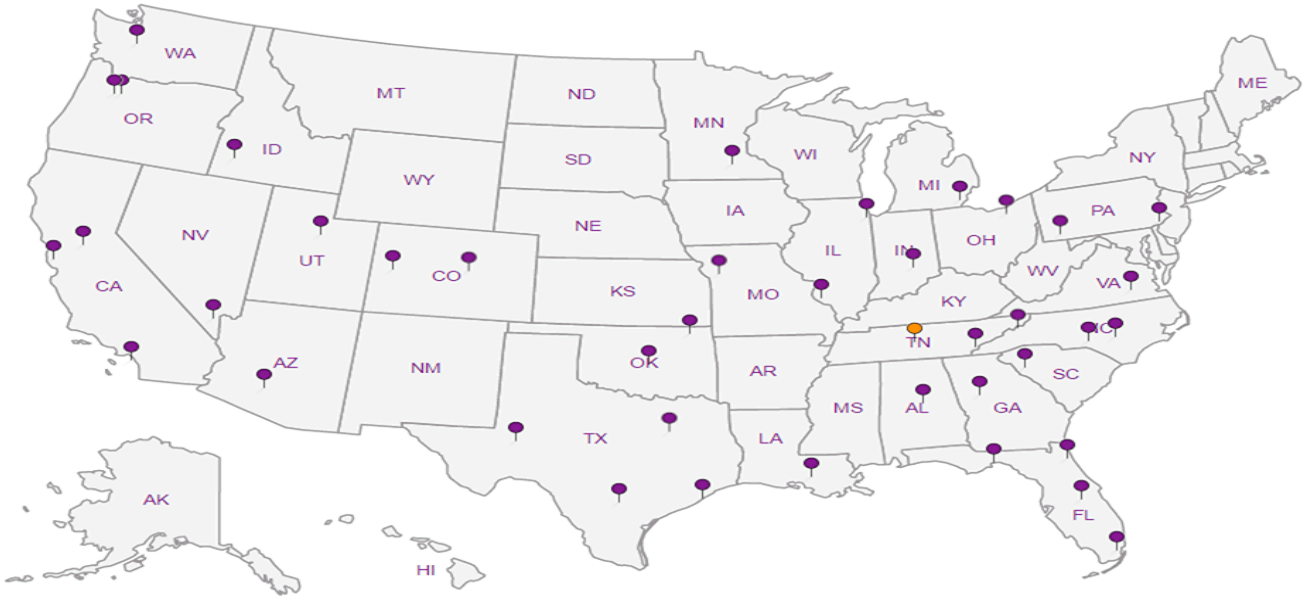
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] 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.**



CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): M. WARREN

Site/Facility ID # LEWIS DR.

P.O. #

Collected by (signature): Melissa Warren

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA	Remarks	Sample # (lab only)
MW-26-120617	GRAB	GW	N/A	12/06/17	0740	3				X		X	X	X	X		-01
MW-26B-120617		GW			0750	3				X		X	X	X	X		02
MW-23-120617		GW			0800	3				X		X	X	X	X		03
MW-23B-120617		GW			0805	3				X		X	X	X	X		04
MW-46-120617		GW			0820	3				X		X	X	X	X		05
MW-29-120617		GW			0835	3				X		X	X	X	X		06
MW-43B-120617		GW			0905	3				X		X	X	X	X		07
MW-43-120617		GW			0910	3				X		X	X	X	X		08
MW-24-120617		GW			0915	3				X		X	X	X	X		09
MW-24B-120617	V	GW	V	V	0925	3				X		X	X	X	X		10

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# L955704

G024

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17B

Shipped Via: FedEX Ground

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

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

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4142522 2786

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Melissa Warren	12/06/17	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 2.1 °C Bottles Received: 133

Date: 12-07-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREL

Site/Facility ID # LEWIS DR.

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Chain of Custody Page 2 of 4

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# L955704

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA	Remarks	Sample # (lab only)
MW-37-120617	GRAB	GW	N/A	12/06/17	0935	3				X		X	X	X	X		-11
MW-38-120617		GW			0940	3				X		X	X	X	X		12
MW-15B-120617		GW			0950	3				X		X	X	X	X		13
MW-15B-D-120617		GW			0955	3				X		X	X	X	X		14
MW-15-120617		GW			1005	7	X	X	X	X		X	X	X	X		15
MW-34-120617		GW			1020	3				X		X	X	X	X		16
MW-39-120617		GW			1025	3				X		X	X	X	X		17
MW-39-D-120617		GW			1030	3				X		X	X	X	X		18
MW-40-120617		GW			1040	7	X	X	X	X		X	X	X	X		19
MW-41-120617		GW			1215	3				X		X	X	X	X		20

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

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

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 414252212786

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/06/17	12/06/17	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.1 °C Bottles Received: 133

Date: 12-07-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910, LD. MR, GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): M. WARREN

Site/Facility ID # LEWIS DR.

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Chain of Custody Page 3 of 4

ESC LABORATORIES — a subsidiary of Pace Analytical

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

L# L955704

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA	Remarks	Sample # (lab only)
MW-25B-120617	GRAB	GW	N/A	12/06/17	1240	3				X		X	X	X	X		-21
MW-25-120617		GW			1245	7	X	X	X	X		X	X	X	X		22
MW-35-120617		GW			1305	7	X	X	X	X		X	X	X	X		23
MW-49-120617		GW			1320	3				X		X	X	X	X		24
MW-12B-120617		GW			1335	3				X		X	X	X	X		25
MW-12-120617		GW			1345	7	X	X	X	X		X	X	X	X		26
MW-14-120617		GW			1425	3				X		X	X	X	X		27
MW-14B-120617		GW			1430	3				X		X	X	X	X		28
MW-13B-120617		GW			1440	3				X		X	X	X	X		29
MW-42-120617		GW			1230	7	X	X	X	X		X	X	X	X		30

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 414252212786

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/06/17	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 2.1 °C Bottles Received: 133

Date: 12-07-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DR.

P.O. #

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

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

Quote #

Date Results Needed

Chain of Custody Page 4 of 4

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# L955764

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17G

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA		Remarks	Sample # (lab only)
MW-50B-120617	GRAB	GW	N/A	12/06/17	1500	3				X		X	X	X	X			31
MW-48B-120617		GW			1510	3				X		X	X	X	X			32
MW-47-120617		GW			1545	3				X		X	X	X	X			33
MW-31-120617		GW			1550	3				X		X	X	X	X			34
MW-33T-120617		GW			1600	3				X		X	X	X	X			35
FB01-120617		GW			1605	3					X	X	X	X	X			36
TB01-120617	V	GW	V	V	1505	1					X							
		GW																

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

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

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking # 414252212786

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	12/06/17	1730		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C Bottles Received: 13
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-07-17 Time: 0845
				Hold: Condition: NCF / OK

ANALYTICAL REPORT

December 14, 2017

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L956125
Samples Received:	12/08/2017
Project Number:	684910.LD.MR.GW
Description:	Lewis Drive Groundwater
Site:	LEWIS DR.
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

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.

MW-10-120717 L956125-01 GW

Collected by: M. Warren | Collected date/time: 12/07/17 08:15 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1051410	1	12/12/17 07:45	12/12/17 07:45	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1051410	1	12/12/17 07:45	12/12/17 07:45	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 17:44	12/08/17 17:44	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052227	1	12/12/17 10:55	12/12/17 10:55	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 01:15	12/09/17 01:15	LRL

MW-02B-120717 L956125-02 GW

Collected by: M. Warren | Collected date/time: 12/07/17 08:30 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 01:35	12/09/17 01:35	LRL

MW-02-120717 L956125-03 GW

Collected by: M. Warren | Collected date/time: 12/07/17 08:35 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1051410	1	12/12/17 07:52	12/12/17 07:52	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1051410	1	12/12/17 07:52	12/12/17 07:52	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 18:41	12/08/17 18:41	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052227	1	12/12/17 11:02	12/12/17 11:02	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 01:54	12/09/17 01:54	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	10	12/09/17 22:42	12/09/17 22:42	BMB

MW-32-120717 L956125-04 GW

Collected by: M. Warren | Collected date/time: 12/07/17 08:50 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1051410	1	12/12/17 07:58	12/12/17 07:58	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1051410	1	12/12/17 07:58	12/12/17 07:58	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 18:55	12/08/17 18:55	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052227	1	12/12/17 11:12	12/12/17 11:12	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 02:13	12/09/17 02:13	LRL

MW-04-120717 L956125-05 GW

Collected by: M. Warren | Collected date/time: 12/07/17 09:05 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 02:32	12/09/17 02:32	LRL

MW-05-120717 L956125-06 GW

Collected by: M. Warren | Collected date/time: 12/07/17 09:15 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 02:51	12/09/17 02:51	LRL

MW-06-120717 L956125-07 GW

Collected by: M. Warren | Collected date/time: 12/07/17 09:25 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 03:11	12/09/17 03:11	LRL

MW-06B-D-120717 L956125-08 GW

Collected by: M. Warren | Collected date/time: 12/07/17 09:30 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 03:30	12/09/17 03:30	LRL

MW-06B-120717 L956125-09 GW

Collected by: M. Warren | Collected date/time: 12/07/17 09:40 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 03:49	12/09/17 03:49	LRL

MW-09B-120717 L956125-10 GW

Collected by: M. Warren | Collected date/time: 12/07/17 10:05 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 04:08	12/09/17 04:08	LRL

MW-09-120717 L956125-11 GW

Collected by: M. Warren | Collected date/time: 12/07/17 10:15 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1051410	1	12/12/17 08:03	12/12/17 08:03	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1051410	1	12/12/17 08:03	12/12/17 08:03	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 19:09	12/08/17 19:09	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052227	1	12/12/17 11:16	12/12/17 11:16	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 04:27	12/09/17 04:27	LRL

MW-08-120717 L956125-12 GW

Collected by: M. Warren | Collected date/time: 12/07/17 10:25 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1051410	1	12/12/17 08:09	12/12/17 08:09	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1051410	1	12/12/17 08:09	12/12/17 08:09	MCG
Wet Chemistry by Method 9056A	WG1051268	1	12/08/17 19:51	12/08/17 19:51	KCF
Volatile Organic Compounds (GC) by Method RSK175	WG1052227	1	12/12/17 11:18	12/12/17 11:18	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 04:46	12/09/17 04:46	LRL

MW-45B-120717 L956125-13 GW

Collected by: M. Warren | Collected date/time: 12/07/17 11:00 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 05:05	12/09/17 05:05	LRL

MW-21-120717 L956125-14 GW

Collected by: M. Warren | Collected date/time: 12/07/17 11:05 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 05:24	12/09/17 05:24	LRL

MW-17B-120717 L956125-15 GW

Collected by: M. Warren | Collected date/time: 12/07/17 11:15 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	10	12/09/17 05:44	12/09/17 05:44	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	100	12/09/17 23:02	12/09/17 23:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	500	12/12/17 19:10	12/12/17 19:10	BMB

MW-36-120717 L956125-16 GW

Collected by: M. Warren | Collected date/time: 12/07/17 11:35 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 06:03	12/09/17 06:03	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 23:22	12/09/17 23:22	BMB

MW-36B-120717 L956125-17 GW

Collected by: M. Warren | Collected date/time: 12/07/17 11:45 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 06:22	12/09/17 06:22	LRL

FB01-120717 L956125-18 GW

Collected by: M. Warren | Collected date/time: 12/07/17 12:10 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 00:56	12/09/17 00:56	LRL

TB01-120717 L956125-19 GW

Collected by: M. Warren | Collected date/time: 12/07/17 12:15 | Received date/time: 12/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1051388	1	12/09/17 00:37	12/09/17 00:37	LRL

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

Chris McCord
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/12/2017 07:45	WG1051410

Sample Narrative:
L956125-01 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	20400	T8	20000	1	12/12/2017 07:45	WG1051410

Sample Narrative:
L956125-01 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	111	P1	100	1	12/08/2017 17:44	WG1051268
Sulfate	ND		5000	1	12/08/2017 17:44	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/12/2017 10:55	WG1052227
Ethane	ND		13.0	1	12/12/2017 10:55	WG1052227
Ethene	ND		13.0	1	12/12/2017 10:55	WG1052227

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 01:15	WG1051388
Toluene	ND		1.00	1	12/09/2017 01:15	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 01:15	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 01:15	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 01:15	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 01:15	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 01:15	WG1051388
(S) Toluene-d8	*97.7*		*80.0-120*		*12/09/2017 01:15*	WG1051388
(S) Dibromofluoromethane	*101*		*76.0-123*		*12/09/2017 01:15*	WG1051388
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/09/2017 01:15*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 01:35	WG1051388
Toluene	1.11		1.00	1	12/09/2017 01:35	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 01:35	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 01:35	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 01:35	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 01:35	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 01:35	WG1051388
(S) Toluene-d8	*92.8*		*80.0-120*		*12/09/2017 01:35*	WG1051388
(S) Dibromofluoromethane	*101*		*76.0-123*		*12/09/2017 01:35*	WG1051388
(S) 4-Bromofluorobenzene	*98.9*		*80.0-120*		*12/09/2017 01:35*	WG1051388

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	23000		20000	1	12/12/2017 07:52	WG1051410

Sample Narrative:
L956125-03 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/12/2017 07:52	WG1051410

Sample Narrative:
L956125-03 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/08/2017 18:41	WG1051268
Sulfate	ND		5000	1	12/08/2017 18:41	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	25.8		10.0	1	12/12/2017 11:02	WG1052227
Ethane	ND		13.0	1	12/12/2017 11:02	WG1052227
Ethene	ND		13.0	1	12/12/2017 11:02	WG1052227

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	153		1.00	1	12/09/2017 01:54	WG1051388
Toluene	313		10.0	10	12/09/2017 22:42	WG1051388
Ethylbenzene	15.1		1.00	1	12/09/2017 01:54	WG1051388
Total Xylenes	441		30.0	10	12/09/2017 22:42	WG1051388
Methyl tert-butyl ether	70.9		1.00	1	12/09/2017 01:54	WG1051388
Naphthalene	12.8		5.00	1	12/09/2017 01:54	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 01:54	WG1051388
(S) Toluene-d8	*94.9*		*80.0-120*		*12/09/2017 01:54*	WG1051388
(S) Toluene-d8	*107*		*80.0-120*		*12/09/2017 22:42*	WG1051388
(S) Dibromofluoromethane	*99.6*		*76.0-123*		*12/09/2017 01:54*	WG1051388
(S) Dibromofluoromethane	*95.7*		*76.0-123*		*12/09/2017 22:42*	WG1051388
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*12/09/2017 01:54*	WG1051388
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*12/09/2017 22:42*	WG1051388

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/12/2017 07:58	WG1051410

Sample Narrative:
L956125-04 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/12/2017 07:58	WG1051410

Sample Narrative:
L956125-04 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	1620		100	1	12/08/2017 18:55	WG1051268
Sulfate	ND		5000	1	12/08/2017 18:55	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/12/2017 11:12	WG1052227
Ethane	ND		13.0	1	12/12/2017 11:12	WG1052227
Ethene	ND		13.0	1	12/12/2017 11:12	WG1052227

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 02:13	WG1051388
Toluene	ND		1.00	1	12/09/2017 02:13	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 02:13	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 02:13	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 02:13	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 02:13	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 02:13	WG1051388
(S) Toluene-d8	*96.9*		*80.0-120*		*12/09/2017 02:13*	WG1051388
(S) Dibromofluoromethane	*96.1*		*76.0-123*		*12/09/2017 02:13*	WG1051388
(S) 4-Bromofluorobenzene	*98.5*		*80.0-120*		*12/09/2017 02:13*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 02:32	WG1051388
Toluene	ND		1.00	1	12/09/2017 02:32	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 02:32	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 02:32	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 02:32	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 02:32	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 02:32	WG1051388
(S) Toluene-d8	*95.3*		*80.0-120*		*12/09/2017 02:32*	WG1051388
(S) Dibromofluoromethane	*99.3*		*76.0-123*		*12/09/2017 02:32*	WG1051388
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*12/09/2017 02:32*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 02:51	WG1051388
Toluene	ND		1.00	1	12/09/2017 02:51	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 02:51	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 02:51	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 02:51	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 02:51	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 02:51	WG1051388
(S) Toluene-d8	*93.8*		*80.0-120*		*12/09/2017 02:51*	WG1051388
(S) Dibromofluoromethane	*99.4*		*76.0-123*		*12/09/2017 02:51*	WG1051388
(S) 4-Bromofluorobenzene	*99.4*		*80.0-120*		*12/09/2017 02:51*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 03:11	WG1051388
Toluene	ND		1.00	1	12/09/2017 03:11	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 03:11	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 03:11	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 03:11	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 03:11	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 03:11	WG1051388
(S) Toluene-d8	*96.3*		*80.0-120*		*12/09/2017 03:11*	WG1051388
(S) Dibromofluoromethane	*100*		*76.0-123*		*12/09/2017 03:11*	WG1051388
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/09/2017 03:11*	WG1051388

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/09/2017 03:30	WG1051388
Toluene	1.82		1.00	1	12/09/2017 03:30	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 03:30	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 03:30	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 03:30	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 03:30	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 03:30	WG1051388
(S) Toluene-d8	*94.2*		*80.0-120*		*12/09/2017 03:30*	WG1051388
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*12/09/2017 03:30*	WG1051388
(S) 4-Bromofluorobenzene	*99.9*		*80.0-120*		*12/09/2017 03:30*	WG1051388

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/09/2017 03:49	WG1051388
Toluene	ND		1.00	1	12/09/2017 03:49	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 03:49	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 03:49	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 03:49	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 03:49	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 03:49	WG1051388
(S) Toluene-d8	*119*		*80.0-120*		*12/09/2017 03:49*	WG1051388
(S) Dibromofluoromethane	*92.1*		*76.0-123*		*12/09/2017 03:49*	WG1051388
(S) 4-Bromofluorobenzene	*246*	J1	*80.0-120*		*12/09/2017 03:49*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	21.8		1.00	1	12/09/2017 04:08	WG1051388
Toluene	82.1		1.00	1	12/09/2017 04:08	WG1051388
Ethylbenzene	24.7		1.00	1	12/09/2017 04:08	WG1051388
Total Xylenes	179		3.00	1	12/09/2017 04:08	WG1051388
Methyl tert-butyl ether	4.72		1.00	1	12/09/2017 04:08	WG1051388
Naphthalene	11.9		5.00	1	12/09/2017 04:08	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 04:08	WG1051388
(S) Toluene-d8	*97.0*		*80.0-120*		*12/09/2017 04:08*	WG1051388
(S) Dibromofluoromethane	*76.0*		*76.0-123*		*12/09/2017 04:08*	WG1051388
(S) 4-Bromofluorobenzene	*94.7*		*80.0-120*		*12/09/2017 04:08*	WG1051388

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	31600		20000	1	12/12/2017 08:03	WG1051410

Sample Narrative:
L956125-11 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/12/2017 08:03	WG1051410

Sample Narrative:
L956125-11 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/08/2017 19:09	WG1051268
Sulfate	ND		5000	1	12/08/2017 19:09	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	41.4		10.0	1	12/12/2017 11:16	WG1052227
Ethane	ND		13.0	1	12/12/2017 11:16	WG1052227
Ethene	ND		13.0	1	12/12/2017 11:16	WG1052227

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	54.3		1.00	1	12/09/2017 04:27	WG1051388
Toluene	19.6		1.00	1	12/09/2017 04:27	WG1051388
Ethylbenzene	3.44		1.00	1	12/09/2017 04:27	WG1051388
Total Xylenes	64.8		3.00	1	12/09/2017 04:27	WG1051388
Methyl tert-butyl ether	27.5		1.00	1	12/09/2017 04:27	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 04:27	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 04:27	WG1051388
(S) Toluene-d8	*95.8*		*80.0-120*		*12/09/2017 04:27*	WG1051388
(S) Dibromofluoromethane	*97.1*		*76.0-123*		*12/09/2017 04:27*	WG1051388
(S) 4-Bromofluorobenzene	*98.5*		*80.0-120*		*12/09/2017 04:27*	WG1051388

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	12/12/2017 08:09	WG1051410

Sample Narrative:
L956125-12 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	12/12/2017 08:09	WG1051410

Sample Narrative:
L956125-12 WG1051410: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Nitrate as (N)	ND		100	1	12/08/2017 19:51	WG1051268
Sulfate	ND		5000	1	12/08/2017 19:51	WG1051268

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	ND		10.0	1	12/12/2017 11:18	WG1052227
Ethane	ND		13.0	1	12/12/2017 11:18	WG1052227
Ethene	ND		13.0	1	12/12/2017 11:18	WG1052227

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 04:46	WG1051388
Toluene	ND		1.00	1	12/09/2017 04:46	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 04:46	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 04:46	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 04:46	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 04:46	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 04:46	WG1051388
(S) Toluene-d8	*95.8*		*80.0-120*		*12/09/2017 04:46*	WG1051388
(S) Dibromofluoromethane	*96.4*		*76.0-123*		*12/09/2017 04:46*	WG1051388
(S) 4-Bromofluorobenzene	*98.1*		*80.0-120*		*12/09/2017 04:46*	WG1051388

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/09/2017 05:05	WG1051388
Toluene	3.26		1.00	1	12/09/2017 05:05	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 05:05	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 05:05	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 05:05	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 05:05	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 05:05	WG1051388
(S) Toluene-d8	*96.1*		*80.0-120*		*12/09/2017 05:05*	WG1051388
(S) Dibromofluoromethane	*97.3*		*76.0-123*		*12/09/2017 05:05*	WG1051388
(S) 4-Bromofluorobenzene	*99.0*		*80.0-120*		*12/09/2017 05:05*	WG1051388

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	12/09/2017 05:24	WG1051388
Toluene	ND		1.00	1	12/09/2017 05:24	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 05:24	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 05:24	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 05:24	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 05:24	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 05:24	WG1051388
(S) Toluene-d8	*96.3*		*80.0-120*		*12/09/2017 05:24*	WG1051388
(S) Dibromofluoromethane	*101*		*76.0-123*		*12/09/2017 05:24*	WG1051388
(S) 4-Bromofluorobenzene	*98.7*		*80.0-120*		*12/09/2017 05:24*	WG1051388

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	10600		100	100	12/09/2017 23:02	WG1051388
Toluene	14900		500	500	12/12/2017 19:10	WG1051388
Ethylbenzene	1060		10.0	10	12/09/2017 05:44	WG1051388
Total Xylenes	9210		300	100	12/09/2017 23:02	WG1051388
Methyl tert-butyl ether	1140		10.0	10	12/09/2017 05:44	WG1051388
Naphthalene	178		50.0	10	12/09/2017 05:44	WG1051388
1,2-Dichloroethane	ND		10.0	10	12/09/2017 05:44	WG1051388
(S) Toluene-d8	*93.5*		*80.0-120*		*12/09/2017 05:44*	WG1051388
(S) Toluene-d8	*106*		*80.0-120*		*12/09/2017 23:02*	WG1051388
(S) Toluene-d8	*104*		*80.0-120*		*12/12/2017 19:10*	WG1051388
(S) Dibromofluoromethane	*105*		*76.0-123*		*12/12/2017 19:10*	WG1051388
(S) Dibromofluoromethane	*99.9*		*76.0-123*		*12/09/2017 05:44*	WG1051388
(S) Dibromofluoromethane	*94.8*		*76.0-123*		*12/09/2017 23:02*	WG1051388
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*12/12/2017 19:10*	WG1051388
(S) 4-Bromofluorobenzene	*96.8*		*80.0-120*		*12/09/2017 05:44*	WG1051388
(S) 4-Bromofluorobenzene	*99.8*		*80.0-120*		*12/09/2017 23:02*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	17.5		1.00	1	12/09/2017 23:22	WG1051388
Toluene	30.2		1.00	1	12/09/2017 23:22	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 06:03	WG1051388
Total Xylenes	14.4		3.00	1	12/09/2017 23:22	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 06:03	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 06:03	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 06:03	WG1051388
(S) Toluene-d8	*95.4*		*80.0-120*		*12/09/2017 06:03*	WG1051388
(S) Toluene-d8	*106*		*80.0-120*		*12/09/2017 23:22*	WG1051388
(S) Dibromofluoromethane	*93.5*		*76.0-123*		*12/09/2017 23:22*	WG1051388
(S) Dibromofluoromethane	*96.3*		*76.0-123*		*12/09/2017 06:03*	WG1051388
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/09/2017 06:03*	WG1051388
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*12/09/2017 23:22*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 06:22	WG1051388
Toluene	ND		1.00	1	12/09/2017 06:22	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 06:22	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 06:22	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 06:22	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 06:22	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 06:22	WG1051388
(S) Toluene-d8	*95.3*		*80.0-120*		*12/09/2017 06:22*	WG1051388
(S) Dibromofluoromethane	*98.5*		*76.0-123*		*12/09/2017 06:22*	WG1051388
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*12/09/2017 06:22*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 00:56	WG1051388
Toluene	ND		1.00	1	12/09/2017 00:56	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 00:56	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 00:56	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 00:56	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 00:56	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 00:56	WG1051388
(S) Toluene-d8	*93.7*		*80.0-120*		*12/09/2017 00:56*	WG1051388
(S) Dibromofluoromethane	*103*		*76.0-123*		*12/09/2017 00:56*	WG1051388
(S) 4-Bromofluorobenzene	*98.0*		*80.0-120*		*12/09/2017 00:56*	WG1051388

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	12/09/2017 00:37	WG1051388
Toluene	ND		1.00	1	12/09/2017 00:37	WG1051388
Ethylbenzene	ND		1.00	1	12/09/2017 00:37	WG1051388
Total Xylenes	ND		3.00	1	12/09/2017 00:37	WG1051388
Methyl tert-butyl ether	ND		1.00	1	12/09/2017 00:37	WG1051388
Naphthalene	ND		5.00	1	12/09/2017 00:37	WG1051388
1,2-Dichloroethane	ND		1.00	1	12/09/2017 00:37	WG1051388
(S) Toluene-d8	*93.9*		*80.0-120*		*12/09/2017 00:37*	WG1051388
(S) Dibromofluoromethane	*103*		*76.0-123*		*12/09/2017 00:37*	WG1051388
(S) 4-Bromofluorobenzene	*98.2*		*80.0-120*		*12/09/2017 00:37*	WG1051388

L956126-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956126-01 12/11/17 19:49 • (DUP) R3272155-1 12/11/17 19:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	164000	158000	1	3.68		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L955570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L955570-01 12/12/17 08:31 • (DUP) R3272155-5 12/12/17 08:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	137000	139000	1	1.30		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

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

(LCS) R3272155-2 12/11/17 20:02 • (LCSD) R3272155-3 12/12/17 07:29

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Alkalinity	100000	103000	105000	103	105	85.0-115			2.74	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

L956126-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956126-01 12/11/17 19:49 • (DUP) R3272155-6 12/11/17 19:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	U	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3271611-1 12/08/17 07:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L956118-03 Original Sample (OS) • Duplicate (DUP)

(OS) L956118-03 12/08/17 16:05 • (DUP) R3271611-4 12/08/17 16:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	U	0.000	1	0		15
Sulfate	1430	1420	1	1	J	15

L956125-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956125-01 12/08/17 17:44 • (DUP) R3271611-6 12/08/17 17:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	111	205	1	59	P1	15
Sulfate	ND	228	1	0		15

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

(LCS) R3271611-2 12/08/17 07:15 • (LCSD) R3271611-3 12/08/17 07:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8430	8380	105	105	80-120			1	15
Sulfate	40000	40800	40400	102	101	80-120			1	15

L956118-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L956118-03 12/08/17 16:05 • (MS) R3271611-5 12/08/17 17:02

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Nitrate	5000	U	3110	62	1	80-120	J6
Sulfate	50000	1430	33500	64	1	80-120	J6

L956125-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L956125-01 12/08/17 17:44 • (MS) R3271611-7 12/08/17 18:12 • (MSD) R3271611-8 12/08/17 18:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	5000	111	5070	5280	99	103	1	80-120			4	15
Sulfate	50000	ND	54100	53700	108	107	1	80-120			1	15

Method Blank (MB)

(MB) R3272222-1 12/12/17 08:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L956095-01 Original Sample (OS) • Duplicate (DUP)

(OS) L956095-01 12/12/17 10:01 • (DUP) R3272222-2 12/12/17 11:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	5090	5020	1	1.45		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L956278-03 Original Sample (OS) • Duplicate (DUP)

(OS) L956278-03 12/12/17 11:27 • (DUP) R3272222-3 12/12/17 11:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

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

(LCS) R3272222-4 12/12/17 11:54 • (LCSD) R3272222-5 12/12/17 12:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.5	72.8	105	107	85.0-115			1.80	20
Ethane	129	112	112	87.0	86.6	85.0-115			0.519	20
Ethene	127	114	113	90.0	89.4	85.0-115			0.677	20

Method Blank (MB)

(MB) R3271630-2 12/09/17 00:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*97.1*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3271630-1 12/08/17 23:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.5	93.9	70.0-130	
1,2-Dichloroethane	25.0	25.4	102	70.0-130	
Ethylbenzene	25.0	24.3	97.1	70.0-130	
Methyl tert-butyl ether	25.0	24.2	96.9	70.0-130	
Naphthalene	25.0	21.8	87.0	70.0-130	
Toluene	25.0	22.1	88.4	70.0-130	
Xylenes, Total	75.0	71.1	94.8	70.0-130	
(S) Toluene-d8			*96.7*	*80.0-120*	
(S) Dibromofluoromethane			*100*	*76.0-123*	
(S) 4-Bromofluorobenzene			*97.8*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

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
Conneticut	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 [1 4]	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		

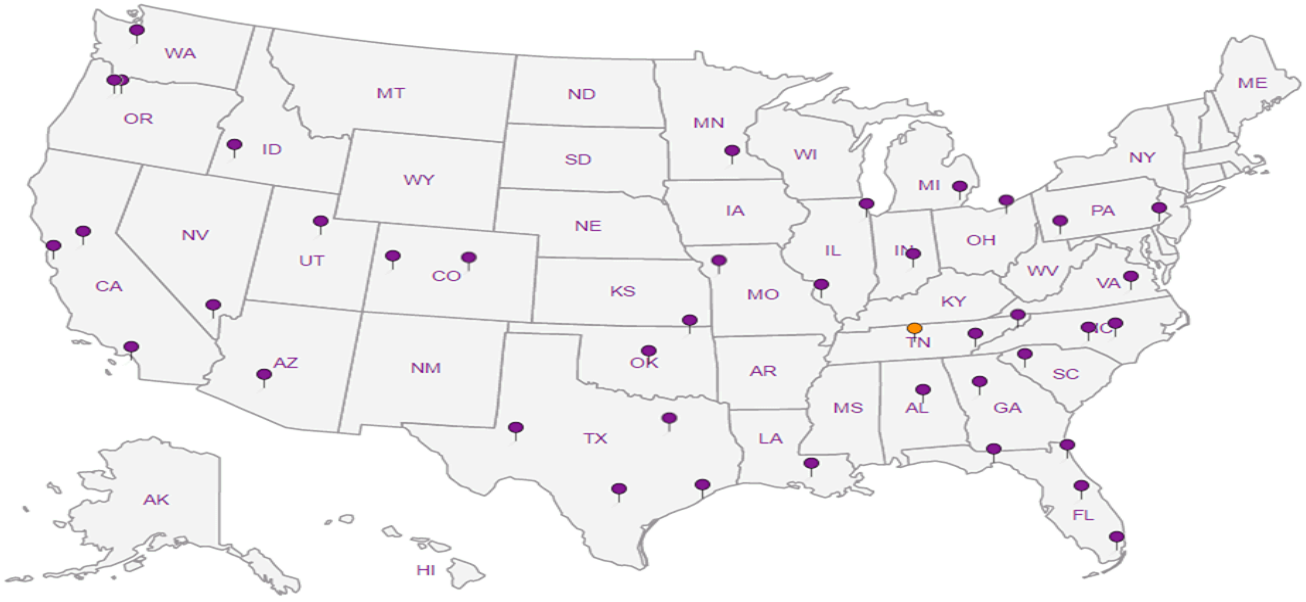
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] 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.**



CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): M. WARREN

Site/Facility ID # LEWIS DR.

P.O. #

Collected by (signature):

Immediately Packed on Ice N ✓ Y ___

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

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA		Remarks	Sample # (lab only)
MW-10-120717	GRAB	GW	N/A	12/07/17	0815	7	✓	✓	✓	✓		✓	✓	✓	✓			01
MW-02B-120717		GW			0830	3				✓		✓	✓	✓	✓			02
MW-02-120717		GW			0835	7	✓	✓	✓	✓		✓	✓	✓	✓			03
MW-32-120717		GW			0850	7	✓	✓	✓	✓		✓	✓	✓	✓			04
MW-04-120717		GW			0905	3				✓		✓	✓	✓	✓			05
MW-05-120717		GW			0915	3												06
MW-06-120717		GW			0925	3												07
MW-06B-D-120717		GW			0930	3												08
MW-06B-120717		GW			0940	3												09
MW-09B-120717		GW			1005	3												10

Chain of Custody Page 1 of 1

ESC LABORATORIES
a subsidiary of Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 956125

H060

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P627788
TSR: 526 - Chris McCord
PB: 11-22-17G

Shipped Via: FedEX Ground

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

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

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: __ UPS ✓ FedEx __ Courier

Tracking # 4142 5221 2797

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	12/07/17	1330		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 °C	Bottles Received: 74
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-8-17	Time: 8:45

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

2 of 2

CH2M Hill- Kinder Morgan- Atlanta, GA

6600 Peachtree Dunwoody Road

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

Report to: Bethany Garvey

Email To: bgarvey@ch2m.com; tom.wiley@ch2m.com; scott.powell@ch2m.com;

Project Description: Lewis Drive Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 684910.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARLEN

Site/Facility ID # LEWIS DR.

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC 40mlAmb-HCl-Blk	BTEX	MTBE	NAPHTHALENE	1,2-DCA			Remarks	Sample # (lab only)
MW-09-120717	GRAB	GW	N/A	12/07/17	1015	7	X	X	X	X		X	X	X	X				-11
MW-08-120717		GW			1025	7	X	X	X	X		X	X	X	X				-12
MW-45B-120717		GW			1100	3				X		X	X	X	X				-13
MW-21-120717		GW			1105	3				X		X	X	X	X				-14
MW-17B-120717		GW			1115	3				X		X	X	X	X				-15
MW-36-120717		GW			1135	3				X		X	X	X	X				-16
MW-36B-120717		GW			1145	3				X		X	X	X	X				-17
FB01-120717		GW			~~1207~~ 1210	3					X	X	X	X	X				-18
TB01-120717		GW			1215	1					X								-19
		GW																	

Chain of Custody Page 1 of 1

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# 456125

Table #

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P627788

TSR: 526 - Chris McCord

PB: 11-22-17G

Shipped Via: FedEX Ground

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

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

pH ___ Temp ___

Flow ___ Other ___

Samples returned via: __ UPS X FedEx __ Courier

Tracking # 4142 5221 2797

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/07/17	1330	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			12-8-17 8:45

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 1.4°C Bottles Received: 74

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

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