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Project Manager Bobbi Coleman

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Mar 2018 Month Status Update

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April 17, 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 – March 2018 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 now Jacobs) is submitting the attached Monthly Status Update covering activities conducted in March 2018 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 and 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 – Product Skimmer Recovery Results
  - Table 7 – Analytical Results for Groundwater
  - Surface Water Analytical Laboratory Report
  - Groundwater Analytical Laboratory Reports

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Mary Clair Lyons, Esq., Plantation (Digital, Mary_Lyons@kindermorgan.com)
Richard Morton, Esq., Womble Bond Dickinson, LLP (Digital, ric.morton@wbd-us.com)
File

Monthly Status Update
Plantation Pipe Line Company
Lewis Drive Remediation
Site ID #18693 "Kinder Morgan Belton Pipeline Release"
March 2018

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 replacement of the culvert under Lewis Road performed by Anderson County Roads and Bridges has been completed and the previously unseen turbidity that was observed in Brown's Creek is no longer present. 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, 46 surface water sampling events have been performed and samples during each event were analyzed for benzene, ethylbenzene, toluene, xylenes, and naphthalene (see Table 3). Starting in February 2018, methyl tertiary butyl ether (MTBE) was added to the analyte list for the surface water samples.
- During this reporting period, surface water samples were collected on March 9, 2018. Sixteen surface water samples were collected, at locations SW-01, SW-02, SW-03, SW-04, SW-05, SW-07, SW-08, SW-09, SW-10, SW-11, SW-12, SW-13, SW-14, FP-01, FP-02, and FP-03 (location SW-06 in Cupboard Creek was dry).
    - The following constituent was detected above its surface water standard:
        - SW-02 – benzene at 3.19 µg/L (standard = 2.2 µg/L).
        - SW-12 – benzene at 3.24 µg/L (standard = 2.2 µg/L).
        - 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 monthly basis. Four locations (MW-18, RW-04, RW-05, and TW-42) exhibited measurable product thickness of 0.5 foot or greater during the sitewide March gauging event. The greatest product thickness measured from a recovery feature (recovery sumps, trenches, and wells) was 0.78 feet, at RW-04. The greatest product thickness measured from a non-recovery feature (piezometers, monitoring wells, and stream gauges) was 1.05 feet, at MW-18. All locations showing greater than 0.5 feet of product are more than 150 feet away from surface water bodies at the site and have limited influence from the air sparging remediation system. Construction information for recovery and non-recovery features is presented in Table 4. Groundwater elevation and product thickness data for March 2018 are presented in Table 5. Groundwater elevation and product thicknesses for March 2018 are presented on Figure 1.
- The locations with the product skimming canisters (skimmers) and petroleum absorbent socks (socks) and the amount of product recovered from each of these locations are listed in Table 6. Since February 13, 2018, 5.75 gallons of product have been recovered using the skimmers and socks. Of this quantity, 3.88 gallons (67% of the total) were recovered from recovery sump RS-05. Weekly product recovery from skimmers and socks ceased on March 15, 2018 and will change to a monthly schedule.
- Through the end of March 2018, approximately 222,976 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-25, MW-29, MW-39, 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 7.

- During this reporting period, groundwater samples were collected (or attempted) on March 5 through 8, 2018, from 68 monitoring wells (22 sampled monthly and 46 sampled quarterly). Five monitoring wells were not sampled because of insufficient water in the well or the presence of product. Samples were analyzed for benzene, ethylbenzene, toluene, total xylenes, 1,2-dichloroethane, MTBE, and naphthalene.
- The following constituents were detected above their respective groundwater standards:
  - Benzene – in samples from 18 monitoring wells ranging from 6.98 to 8,830 µg/L.
  - Ethylbenzene – in two monitoring wells ranging from 802 to 1,110 µg/L.
  - Toluene – in samples from six monitoring wells ranging from 1,370 to 20,200 µg/L.
  - 1,2-dichloroethane – seven 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 ten monitoring wells ranging from 54.8 to 960 µg/L and one monitoring well has a laboratory reporting/quantitation limit greater than the screening level so it cannot be determined if the analyte was absent or present.
  - Naphthalene – in samples from two monitoring wells ranging from 34.5 to 618 µg/L and 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.
  - Apart from these locations, no dissolved hydrocarbons were detected above their respective groundwater standards in the remaining groundwater samples.

Remedial System Operation

- Continued sparging via vertical well curtains in the Brown's Creek Protection Zone and Cupboard Creek Protection Zone, and sparging via horizontal wells in the Hayfield Zone.
- The air sparging system was down for 7 days (168 hours) from March 19 to March 26, 2018 due to damaged gaskets in the inline coalescing filter housings.
- After restarting the system, flows in the vertical sparging wells were increased to 6 standard cubic feet per minute (scfm) by the end of March 2018. Flows in the 3 horizontal wells in the Hayfield Zone were incrementally increased to approximately 0.55 scfm per foot of screen by the end of March 2018. Flows in the 2 stream aerators in Brown's Creek were incrementally increased to 10 scfm each by the end of March 2018.

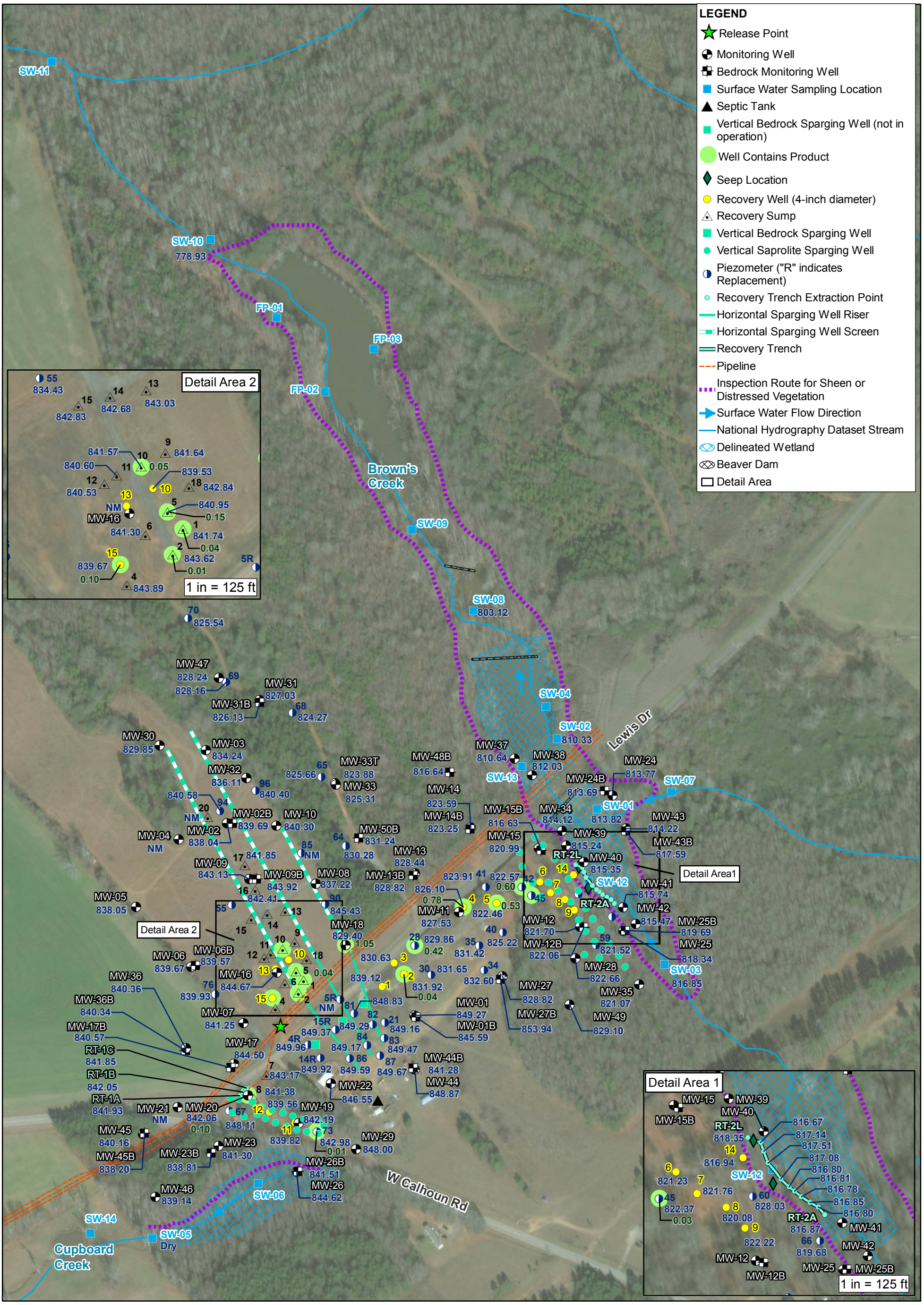
Regulatory Interaction

- Submitted *Memorandums from Environmental Standards, Inc.* to South Carolina Department of Health and Environmental Control (SCDHEC) on March 13, 2018.
- Submitted *Product Recovery Skimmer Results* to SCDHEC on March 22, 2018.
- Submitted *Monthly Status Update for February 2018* to SCDHEC on March 23, 2018.
- Submitted *Request for Additional Monitoring Wells and TW Abandonment* to SCDHEC on March 26, 2018.
- Conducted internal stormwater pollution prevention plan (SWPPP) inspection on March 14, 2018.
- The Anderson County Stormwater Department performed a SWPPP inspection on March 27, 2018. 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.
- Expand the Brown's Creek air sparging network southwest toward MW-11 and expand the Cupboard Creek air sparging network northwest beyond MW-17.
- Recover product monthly using skimmers and socks from select product recovery sumps, trenches, and wells. Collect liquids in two on-site 1,550-gallon poly tanks for eventual off-site disposal.
- Gauge recovery sumps/trenches/wells, piezometers, monitoring wells, and stream gauges monthly for depth to groundwater and free product thickness.
- Conduct groundwater monitoring and reporting monthly.
- 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 April 2018.

- Install additional monitoring wells to expand the monitoring network north and west of MW-30 and upgradient of MW-38.
- Abandon 1-inch diameter wells (piezometers) because the existing 2-inch monitoring well network is now sufficient for groundwater elevation and product thickness measurements. The piezometers are now redundant and cannot be used for product removal.
- Continue coordination with landowners and legal counsel on an as-needed basis.



821.70 Corrected Groundwater Elevation as of 3/5/2018 in feet above mean sea level

0.60 Product Thickness in feet as of 3/5/2018

Base Map Sources:
*ESRI World Imagery Layer, 2017
*United States Geological Survey (USGS) National Hydrography Dataset (NHD)

N

0 250 500

Scale in Feet

Figure 1. Groundwater and Surface Water Elevation and 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.)
3/9/2018	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.
3/15/2018	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. Culvert replacement is causing increased turbity downstream of the intersection of Lewis Dr and Brown's Creek.

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

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-01	SW01-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW01-040517	4/5/2017	µg/L	1 U	1 U	**2.25**	2 U	1 U	5 U	NA
	SW01-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW01-061317	6/13/2017	µg/L	1 U	1 U	**1.90**	2 U	1 U	5 U	NA
	SW01-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW01-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW01-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW01-120517	12/5/2017	µg/L	**1.5**	1 U	**1.15**	2 U	**2.14**	5 U	NA
	SW01-121417	12/14/2017	µg/L	**4.52**	1 U	**4.52**	**3.48**	**3.2**	5 U	NA
	SW01-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	**1.15**	5 U	NA
	SW01-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 **U**	5 U	1 U
	SW01-030918	3/9/2018	µg/L	**1.15**	1 U	1 U	2 U	1 U	5 U	1 U
SW-02	SW02-121114	12/11/2014	µg/L	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U
	SW02-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-033115	3/31/2015	µg/L	5 U[c]	5 U	**6.0**	10 U	5 U	5 U	NA
	SW02-042215	4/22/2015	µg/L	5 U[c]	5 U	**13.0**	10 U	5 U	5 U	NA
	SW02-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW02-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-112415	11/24/2015	µg/L	**6**	**1.3**	**10.0**	**7.8**	**4.0**	1 U	NA
	SW02-122215	12/22/2015	µg/L	**4.1**	1 U	**7.6**	**5.1**	**3.1**	1 U	NA
	SW02-012516	1/25/2016	µg/L	**12**	**1.5**	**25.0**	**8.4**	**4.6**	1 U	NA
	SW02-021816	2/18/2016	µg/L	**15.5**	**1.8**	**35.3**	**10.1**	**5.9**	1 U	NA
	SW02-031616	3/16/2016	µg/L	**8**	**1.0**	**17.5**	**5.8**	**3.9**	1 U	NA
	SW02-042716	4/27/2016	µg/L	**5.6**	1 U	**7.1**	2 U	1 U	1 U	NA
	SW02-050916	5/9/2016	µg/L	**7.1**	1 U	**4.5**	**2.2**	**1.6**	1 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
	SW02-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-112816	11/28/2016	µg/L	**5.4**	1 U	**1.6**	**2.6**	**4.8**	1 U	NA
	SW02-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	**1.4**	1 U	NA
	SW02-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW02-022817	2/28/2017	µg/L	**10.7**	1 U	**11.0**	**4.14**	**4.23**	5 U	NA
	SW02-031517	3/15/2017	µg/L	**11.4**	1 U	**8.6**	**4.45**	**3.6**	5 U	NA
	SW02-032117	3/21/2017	µg/L	**8.42**	1 U	**2.45**	**2.48**	**2.68**	5 U	NA
SW-02	SW02-033017	3/30/2017	µg/L	**2.18**	1 U	1 U	2 U	1 U	5 U	NA
	SW02-040517	4/5/2017	µg/L	**2.87**	1 U	**1.12**	2 U	**1.14**	5 U	NA
	SW02-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW02-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW02-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW02-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW02-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW02-120517	12/5/2017	µg/L	**26.6**	**1.8**	**8.39**	**10.2**	**7.17**	5 U	NA
	SW02-121417	12/14/2017	µg/L	**21.1**	**1.53**	**9.40**	**9.74**	**7.32**	5 U	NA
	SW02-010918	1/9/2018	µg/L	**25.0**	**1.56**	**12.4**	**11**	**8.24**	5 U	NA
	SW02-020618	2/6/2018	µg/L	**6.69**	1 U	**2.7**	**2.75**	**1.87**	5 U	1 U
	SW02-030918	3/9/2018	µg/L	**3.19**	1 U	**1.39**	2 U	**1.11**	5 U	1 U
	SW-UPGRADIENT	1/20/2015	µg/L	0.5 U	1 U	**0.23 J**	2 U	1 U	1 U	1 U
	SW03-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
SW-03	SW03-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
	SW03-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW03-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	--	9/24/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW03-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	--	8/19/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
SW-03	SW03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW03-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	--	1/9/2018	µg/L	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS
	SW03-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW03-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-04	SW-DOWNGRADIENT	1/20/2015	µg/L	**95**	**27**	**310**	**110**	**63**	**94** U	**2.7**
	SW04-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW04-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-112415	11/24/2015	µg/L	**1.7**	1 U	**2.7**	**2.9**	**1.6**	1 U	NA
	SW04-122215	12/22/2015	µg/L	**3.3**	1 U	**7.3**	**5.2**	**2.7**	1 U	NA
	SW04-012516	1/25/2016	µg/L	**6.9**	1 U	**14.0**	**4.9**	**2.8**	1 U	NA
	SW04-021816	2/18/2016	µg/L	**10.9**	**1.1**	**25.4**	**7.0**	**4.3**	1 U	NA
	SW04-031616	3/16/2016	µg/L	1 U	1 U	**2.0**	2 U	**1.8**	1 U	NA
	SW04-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-062716	6/27/2016	µg/L	1 U	1 U	**1.1**	2 U	1 U	1 U	NA
	SW04-072816	7/28/2016	µg/L	1 U	1 U	**23.5**	2 U	1 U	1 U	NA
	SW04-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW04-022817	2/28/2017	µg/L	1 U	1 U	**1.13**	2 U	1 U	5 U	NA
	SW04-031517	3/15/2017	µg/L	1 U	1 U	**2.90**	2 U	1 U	5 U	NA
	SW04-032117	3/21/2017	µg/L	1 U	1 U	**3.28**	2 U	1 U	5 U	NA
	SW04-033017	3/30/2017	µg/L	1 U	1 U	**6.15**	2 U	1 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-04	SW04-040517	4/5/2017	µg/L	1 U	1 U	**9.47**	2 U	1 U	5 U	NA
	SW04-050417	5/4/2017	µg/L	1 U	1 U	**13.8**	2 U	1 U	5 U	NA
	SW04-061317	6/13/2017	µg/L	1 U	1 U	**1.37**	2 U	1 U	5 U	NA
	SW04-071817	7/18/2017	µg/L	1 U	1 U	**1.92**	2 U	1 U	5 U	NA
	SW04-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW04-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW04-120517	12/5/2017	µg/L	1 U	1 U	**5.53**	2 U	1 U	5 U	NA
	SW04-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW04-010918	1/9/2018	µg/L	1 U	1 U	**4.09**	2 U	1 U	5 U	NA
	SW04-020618	2/6/2018	µg/L	**3.04**	1 U	**1.73**	2 U	**1.12**	5 U	1 U
	SW04-030918	3/9/2018	µg/L	1 U	1 U	**1.37**	2 U	1 U	5 U	1 U
SW-05	SW05-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW05-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	--	5/19/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/3/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/18/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/15/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/13/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/24/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/22/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW05-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW05-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW05-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW05-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW05-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	--	4/27/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/9/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/27/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

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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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
	--	8/19/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/31/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/28/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/15/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/21/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/30/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
SW-05	--	4/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/18/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/2/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/14/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/9/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW05-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW05-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW06-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW06-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW06-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW06-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	--	3/31/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW06-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
SW-06	--	5/7/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/19/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/3/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/18/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/15/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/13/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/24/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

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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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-06	--	10/22/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/24/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW06-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW06-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW06-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	--	3/16/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	4/27/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/9/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/27/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/19/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/31/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/28/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/15/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/21/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/30/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	4/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/18/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/2/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/14/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/9/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/9/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
SW-07	SW07-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-07	SW07-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW07-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	--	8/13/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/24/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW07-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW07-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	--	6/27/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	7/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	8/19/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/31/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/29/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/28/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW07-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
	--	8/2/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW07-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
SW-07	SW07-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW07-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW07-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW08-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW08-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
SW-08	SW08-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-122215	12/22/2015	µg/L	**1.6**	1 U	**3.8**	**2.5**	**1.6**	1 U	NA
	SW08-012516	1/25/2016	µg/L	**2.4**	1 U	**5.6**	**2**	**1.3**	1 U	NA
	SW08-021816	2/18/2016	µg/L	**2.9**	1 U	**7.6**	**2.3**	**1.5**	1 U	NA
	SW08-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-08	SW08-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW08-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW08-010918	1/9/2018	µg/L	**1.16**	1 U	1 U	2 U	**1.87**	5 U	NA
	SW08-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW08-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-09	SW09-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW09-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-122215	12/22/2015	µg/L	**2.1**	1 U	**4.8**	**3.3**	**2.1**	1 U	NA
	SW09-012516	1/25/2016	µg/L	**3.3**	1 U	**7.1**	**2.4**	**1.5**	1 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-09	SW09-021816	2/18/2016	µg/L	**2.2**	1 U	**5.9**	2 U	**1.2**	1 U	NA
	SW09-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW09-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW09-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW09-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-10	SW10-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-10	SW10-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW10-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW10-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW-10-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW-10-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW-10-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-10	SW10-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW10-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW10-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-11	SW11-022515	2/25/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-030215	3/2/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-031115	3/11/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-031815	3/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-033115	3/31/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-042215	4/22/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-050715	5/7/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-051915	5/19/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-060315	6/3/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-061815	6/18/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-071515	7/15/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-081315	8/13/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	SW11-102215	10/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-112415	11/24/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-122215	12/22/2015	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-012516	1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-021816	2/18/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW11-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-11	SW-11-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW-11-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW-11-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW11-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW11-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-12	SW12-081916	8/19/2016	µg/L	**6,430**	**764**	**15,400**	**3,360**	**1,730**	**128**	NA
	SW12-092916	9/29/2016	µg/L	**7,850**	**1,030**	**19,000**	**3,910**	**1,940**	**143**	NA
	SW12-103116	10/31/2016	µg/L	**165**	**17.7**	**302**	**103**	**58.2**	**4.7**	NA
	SW12-112816	11/28/2016	µg/L	**486**	**59.6**	**976**	**351**	**181**	**14.2**	NA
	SW12-122916	12/29/2016	µg/L	**707**	**97.3**	**1,790**	**408**	**213**	**16.8**	NA
	SW12-012017	1/20/2017	µg/L	**212**	**19.8**	**396**	**104**	**58**	**3.8**	NA
	SW12-022817	2/28/2017	µg/L	**26.1**	**4.04**	**62.3**	**18.0**	**9.73**	5 U	NA
	SW12-031517	3/15/2017	µg/L	**125**	**15.3**	**185**	**67.9**	**35.5**	5 U	NA
	SW12-032117	3/21/2017	µg/L	**134**	**12.1**	**45.0**	**60.8**	**33.6**	5 U	NA
	SW12-033017	3/30/2017	µg/L	**48.5**	**5.69**	**86.3**	**27.7**	**15.8**	5 U	NA
	SW12-040517	4/5/2017	µg/L	**67.1**	**9.24**	**127.0**	**43.6**	**23.7**	5 U	NA
	SW12-050417	5/4/2017	µg/L	**52.8**	**7.96**	**91.7**	**42**	**23.2**	5 U	NA
	SW12-061317	6/13/2017	µg/L	**102**	**16.6**	**166**	**85.1**	**46.2**	5 U	NA
	SW12-071817	7/18/2017	µg/L	**65**	**5.8**	**116**	**43.3**	**24.8**	5 U	NA
	SW12-080217	8/2/2017	µg/L	**125**	**14.7**	**204**	**102**	**67**	5 U	NA
	SW12-090517	9/5/2017	µg/L	**46.7**	**4.72**	**72**	**39**	**26.2**	5 U	NA
	SW12-090517-DUP	9/5/2017	µg/L	**57.4**	**5.5**	**86.5**	**46.2**	**32.1**	5 U	NA
	SW12-120517	12/5/2017	µg/L	**16.6**	**2.91**	**12.6**	**20.1**	**13.3**	5 U	NA
	SW12-121417	12/14/2017	µg/L	**9.19**	**2.66**	**8.26**	**18**	**12.1**	5 U	NA
	SW12-010918	1/9/2018	µg/L	**12.3**	**2.16**	**5.65**	**14.6**	**11.1**	5 U	NA
	SW12-020618	2/6/2018	µg/L	**2.53**	1 U	**1.20**	**4.04**	**2.44**	5 U	1 U

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
SW-12	SW12-030918	3/9/2018	µg/L	**3.24**	**1.79**	**12.2**	**9.75**	**4.28**	5 U	1 U
SW-13	SW13-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW13-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW13-103116	10/31/2016	µg/L	1 U	1 U	**2.0**	2 U	1 U	1 U	NA
	SW13-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW13-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW13-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	SW13-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-040517	4/5/2017	µg/L	1 U	1 U	**1.21**	2 U	1 U	5 U	NA
	SW13-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW13-020618	2/6/2018	µg/L	**1.78**	1 U	1 U	2 U	1 U	5 U	**4.26**
	SW13-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**2.07**
SW-14	SW14-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW14-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW14-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW14-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	--	12/14/2017	--	NS-DW	NS-DW	NS-DW	NS-DW	NS-DW	NS-DW	NS-DW
	SW14-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	SW14-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW14-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
FP-01	FP01-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
FP-01	FP01-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP01-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP01-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-01-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP01-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP01-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP01-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
FP-02	FP02-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-081916	8/19/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP02-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA

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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
FP-02	FP02-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-040517	4/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-02-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP02-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP02-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP02-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
FP-03	FP03-031616	3/16/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-042716	4/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-050916	5/9/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-062716	6/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-072816	7/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	--	8/19/2016	--	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS
	FP03-092916	9/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-103116	10/31/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-112816	11/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-122916	12/29/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-012017	1/20/2017	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	NA
	FP03-022817	2/28/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP03-031517	3/15/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-032117	3/21/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-033017	3/30/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	--	4/5/2017	--	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS
	FP-03-050417	5/4/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-061317	6/13/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-071817	7/18/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-080217	8/2/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-090517	9/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP-03-120517	12/5/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA

Table 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**
		Screening Value (µg/L):		**2.2** [a]	**530** [a]	**1,000** [a]	**NA** [b]	**NA** [b]	**NA** [b]	**NA** [b]
FP-03	FP-03-121417	12/14/2017	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP03-010918	1/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	NA
	FP03-020618	2/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP03-030918	3/9/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U

Notes:

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

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

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

J = estimated

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

µg/L = microgram(s) per liter

MTBE = methyl tertiary butyl ether

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

FP = free product

NA = not applicable

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

ID = identification

NS-DW = sample not collected due to locations being in a different watershed

SW = surface water

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	13.00
MW-03	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	838.38	838.36	22.19	8	2	20.00	818.4	4.98	19.98	5.0	20.0	833.4	818.4	15.00
MW-04	CME 550 HSA	MW-10136	6/23/2015	Still in use	Monitoring Well/Gauging	844.51	844.42	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	10.00
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	25.25	816.2	13.50	23.50	15.0	25.0	826.5	816.5	10.00
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	15.00
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	10.00
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	15.00
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	20.00
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	15.00
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	20.00
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	25.00
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	25.00
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	30.00
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	65.00
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	15.00
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	10.00
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	45.00
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	50.00
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	35.00
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	18.00
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	18.00
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	18.00
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	8.00
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	8.00
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	8.00
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	8.00
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	8.00
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	8.00
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	8.00
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	8.00
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	8.00
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	1.50
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	2.71
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	3.00
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	6.00
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	4.00
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	3.00
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	10.00
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	20.00
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	15.00
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	15.00
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	15.00
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	20.00
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	25.00
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	20.00
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	25.00
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	30.00
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	15.00
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	35.00
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	50.00
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	35.00
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	20.00
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	20.00
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	20.00

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)
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	40.00
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	35.00
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	10.00
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	35.00
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	5.00
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	8.00
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	15.00
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	10.00
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	30.00
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	4.00
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	5.00
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	40.00
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	35.00
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	25.00
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)
MW-01					853.07		
	3/5/2018	-	3.80	-		849.27	-
MW-01B					852.99		
	3/5/2018	-	7.40	-		845.59	-
MW-02					841.04		
	3/5/2018	-	3.00	-		838.04	-
MW-02B					841.19		
	3/5/2018	-	1.50	-		839.69	-
MW-03					838.36		
	3/5/2018	-	4.12	-		834.24	-
MW-04					844.42		
	3/5/2018	-	NM	-		-	-
MW-05					851.11		
	3/5/2018	-	13.06	-		838.05	-
MW-06					852.92		
	3/5/2018	-	13.25	-		839.67	-
MW-06B					852.57		
	3/5/2018	-	13.00	-		839.57	-
MW-07					853.02		
	3/5/2018	-	11.77	-		841.25	-
MW-08					844.72		
	3/5/2018	-	7.50	-		837.22	-
MW-09					843.63		
	3/5/2018	-	0.50	-		843.13	-
MW-09B					843.92		
	3/5/2018	-	-	-		843.92	-
MW-10					845.41		
	3/5/2018	-	5.11	-		840.30	-
MW-11					855.63		
	3/5/2018	-	28.10	-		827.53	-
MW-12					834.53		
	3/5/2018	-	12.83	-		821.70	-
MW-12B					834.98		
	3/5/2018	-	12.92	-		822.06	-
MW-13					848.84		
	3/5/2018	-	20.40	-		828.44	-
MW-13B					849.82		
	3/5/2018	-	21.00	-		828.82	-
MW-14					838.70		
	3/5/2018	-	15.11	-		823.59	-
MW-14B					840.20		
	3/5/2018	-	16.95	-		823.25	-
MW-15					831.03		
	3/5/2018	-	10.04	-		820.99	-
MW-15B					831.29		
	3/5/2018	-	14.66	-		816.63	-
MW-16					847.67		
	3/5/2018	-	3.00	-		844.67	-
MW-17					855.35		
	3/5/2018	-	10.85	-		844.50	-
MW-17B					855.37		

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)
	3/5/2018	-	14.80	-		840.57	-
MW-18					846.89		
	3/5/2018	17.20	18.25	**1.05**		828.64	829.40
MW-19					853.94		
	3/5/2018	-	11.75	-		842.19	-
MW-20					852.89		
	3/5/2018	10.80	10.90	0.10		841.99	842.06
MW-21					855.77		
	3/5/2018	-	NM	-		-	-
MW-22					854.60		
	3/5/2018	-	8.05	-		846.55	-
MW-23					849.57		
	3/5/2018	-	8.27	-		841.30	-
MW-23B					849.69		
	3/5/2018	-	10.88	-		838.81	-
MW-24					817.92		
	3/5/2018	-	4.15	-		813.77	-
MW-24B					818.72		
	3/5/2018	-	5.03	-		813.69	-
MW-25					826.18		
	3/5/2018	-	7.84	-		818.34	-
MW-25B					823.81		
	3/5/2018	-	4.12	-		819.69	-
MW-26					847.56		
	3/5/2018	-	2.94	-		844.62	-
MW-26B					847.81		
	3/5/2018	-	6.30	-		841.51	-
MW-27					854.11		
	3/5/2018	-	25.29	-		828.82	-
MW-27B					857.14		
	3/5/2018	-	3.20	-		853.94	-
MW-28					844.31		
	3/5/2018	-	21.65	-		822.66	-
MW-29					852.20		
	3/5/2018	-	4.20	-		848.00	-
MW-30					841.28		
	3/5/2018	-	11.43	-		829.85	-
MW-31					845.04		
	3/5/2018	-	18.01	-		827.03	-
MW-31B					844.94		
	3/5/2018	-	18.81	-		826.13	-
MW-32					842.93		
	3/5/2018	-	6.82	-		836.11	-
MW-33					849.20		
	3/5/2018	-	23.89	-		825.31	-
MW-33T					849.11		
	3/5/2018	-	25.23	-		823.88	-
MW-34					816.35		
	3/5/2018	-	2.23	-		814.12	-
MW-35					829.40		
	3/5/2018	-	8.33	-		821.07	-

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)
MW-36					858.47		
	3/5/2018	-	18.11	-		840.36	-
MW-36B					858.15		
	3/5/2018	-	17.81	-		840.34	-
MW-37					813.92		
	3/5/2018	-	3.28	-		810.64	-
MW-38					813.28		
	3/5/2018	-	1.25	-		812.03	-
MW-39					819.90		
	3/5/2018	-	4.66	-		815.24	-
MW-40					817.79		
	3/5/2018	-	2.44	-		815.35	-
MW-41					819.68		
	3/5/2018	-	3.94	-		815.74	-
MW-42					820.33		
	3/5/2018	-	4.86	-		815.47	-
MW-43					818.12		
	3/5/2018	-	3.90	-		814.22	-
MW-43B					818.80		
	3/5/2018	-	1.21	-		817.59	-
MW-44					853.67		
	3/5/2018	-	4.80	-		848.87	-
MW-44B					853.38		
	3/5/2018	-	12.10	-		841.28	-
MW-45					852.47		
	3/5/2018	-	12.31	-		840.16	-
MW-45B					852.85		
	3/5/2018	-	14.65	-		838.20	-
MW-46					845.47		
	3/5/2018	-	6.33	-		839.14	-
MW-47					842.98		
	3/5/2018	-	14.74	-		828.24	-
MW-48B					832.34		
	3/5/2018	-	15.70	-		816.64	-
MW-49					846.78		
	3/5/2018	-	17.68	-		829.10	-
MW-50B					850.34		
	3/5/2018	-	19.10	-		831.24	-
RS-01					849.13		
	3/5/2018	7.38	7.42	0.04		841.71	841.74
RS-02					849.52		
	3/5/2018	5.90	5.91	0.01		843.61	843.62
RS-04					851.47		
	3/5/2018	-	7.58	-		843.89	-
RS-05					848.31		
	3/5/2018	7.32	7.47	0.15		840.84	840.95
RS-06					849.47		
	3/5/2018	-	8.17	-		841.30	-
RS-07					855.08		
	3/5/2018	-	11.91	-		843.17	-
RS-08					854.00		

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)
	3/5/2018	-	12.62	-		841.38	-
RS-09					847.60		
	3/5/2018	-	5.96	-		841.64	-
RS-10					847.42		
	3/5/2018	5.84	5.89	0.05		841.53	841.57
RS-11					847.44		
	3/5/2018	-	6.84	-		840.60	-
RS-12					847.74		
	3/5/2018	-	7.21	-		840.53	-
RS-13					845.98		
	3/5/2018	-	2.95	-		843.03	-
RS-14					845.97		
	3/5/2018	-	3.29	-		842.68	-
RS-15					846.41		
	3/5/2018	-	3.58	-		842.83	-
RS-16					845.44		
	3/5/2018	-	3.03	-		842.41	-
RS-17					844.22		
	3/5/2018	-	2.37	-		841.85	-
RS-18					847.89		
	3/5/2018	-	5.05	-		842.84	-
RS-19					850.40		
	3/5/2018	-	NM	-		-	-
RS-20					842.69		
	3/5/2018	-	NM	-		-	-
RT-1A					854.06		
	3/5/2018	-	12.13	-		841.93	-
RT-1B					854.15		
	3/5/2018	-	12.10	-		842.05	-
RT-1C					854.55		
	3/5/2018	-	12.70	-		841.85	-
RT-2A					817.48		
	3/5/2018	-	0.61	-		816.87	-
RT-2B					817.61		
	3/5/2018	-	0.81	-		816.80	-
RT-2C					818.06		
	3/5/2018	-	1.21	-		816.85	-
RT-2D					818.12		
	3/5/2018	-	1.34	-		816.78	-
RT-2E					818.25		
	3/5/2018	-	1.44	-		816.81	-
RT-2F					818.57		
	3/5/2018	-	1.77	-		816.80	-
RT-2G					820.07		
	3/5/2018	-	2.99	-		817.08	-
RT-2H					822.17		
	3/5/2018	-	NM	-		-	-
RT-2I					819.51		
	3/5/2018	-	2.00	-		817.51	-
RT-2J					817.63		
	3/5/2018	-	0.49	-		817.14	-

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)
RT-2K					817.40		
	3/5/2018	-	0.73	-		816.67	-
RT-2L					819.54		
	3/5/2018	-	1.19	-		818.35	-
RW-01					851.92		
	3/5/2018	-	12.80	-		839.12	-
RW-02					852.69		
	3/5/2018	20.76	20.80	0.04		831.89	831.92
RW-03					852.34		
	3/5/2018	-	21.71	-		830.63	-
RW-04					853.93		
	3/5/2018	27.62	28.40	**0.78**		825.53	826.10
RW-05					853.53		
	3/5/2018	30.93	31.46	**0.53**		822.07	822.46
RW-06					846.21		
	3/5/2018	-	24.98	-		821.23	-
RW-07					843.19		
	3/5/2018	-	21.43	-		821.76	-
RW-08					835.48		
	3/5/2018	-	15.40	-		820.08	-
RW-09					835.12		
	3/5/2018	-	12.90	-		822.22	-
RW-10					848.53		
	3/5/2018	-	9.00	-		839.53	-
RW-11					852.97		
	3/5/2018	-	13.15	-		839.82	-
RW-12					854.49		
	3/5/2018	-	14.93	-		839.56	-
RW-13					847.97		
	3/5/2018	-	NM	-		-	-
RW-14					827.54		
	3/5/2018	-	10.60	-		816.94	-
RW-15					851.64		
	3/5/2018	11.94	12.04	0.10		839.60	839.67
SW-01					812.82		
	3/5/2018	-	(1.00)	-		813.82	-
SW-02					808.65		
	3/5/2018	-	(1.68)	-		810.33	-
SW-03					815.09		
	3/5/2018	-	(1.76)	-		816.85	-
SW-05					838.75		
	3/5/2018	-	NM	-		-	-
SW-08					802.04		
	3/5/2018	-	(1.08)	-		803.12	-
SW-10					778.09		
	3/5/2018	-	(0.84)	-		778.93	-
TW-04R					852.64		
	3/5/2018	-	2.68	-		849.96	-
TW-05R					849.93		
	3/5/2018	-	NM	-		-	-
TW-14R					853.37		

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)
	3/5/2018	-	3.45	-		849.92	-
TW-15R					850.62		
	3/5/2018	-	1.25	-		849.37	-
TW-21					849.70		
	3/5/2018	-	0.54	-		849.16	-
TW-28					851.42		
	3/5/2018	21.45	21.87	0.42		829.55	829.86
TW-30					851.81		
	3/5/2018	-	20.16	-		831.65	-
TW-34					854.79		
	3/5/2018	-	22.19	-		832.60	-
TW-35					854.10		
	3/5/2018	-	22.68	-		831.42	-
TW-40					853.35		
	3/5/2018	-	28.13	-		825.22	-
TW-41					849.38		
	3/5/2018	-	25.47	-		823.91	-
TW-42					846.84		
	3/5/2018	24.11	24.71	**0.60**		822.13	822.57
TW-45					848.31		
	3/5/2018	25.93	25.96	0.03		822.35	822.37
TW-46					846.88		
	3/5/2018	-	NM	-		-	-
TW-55					845.93		
	3/5/2018	-	11.50	-		834.43	-
TW-59					834.78		
	3/5/2018	-	13.26	-		821.52	-
TW-60					828.03		
	3/5/2018	-	-	-		828.03	-
TW-64					845.88		
	3/5/2018	-	15.60	-		830.28	-
TW-65					845.62		
	3/5/2018	-	19.96	-		825.66	-
TW-66					820.31		
	3/5/2018	-	0.63	-		819.68	-
TW-67					852.71		
	3/5/2018	-	4.60	-		848.11	-
TW-68					846.45		
	3/5/2018	-	22.18	-		824.27	-
TW-69					840.27		
	3/5/2018	-	12.11	-		828.16	-
TW-70					841.95		
	3/5/2018	-	16.41	-		825.54	-
TW-73					850.53		
	3/5/2018	7.55	7.56	0.01		842.97	842.98
TW-76					852.44		
	3/5/2018	-	12.51	-		839.93	-
TW-81					849.43		
	3/5/2018	-	0.60	-		848.83	-
TW-82					849.64		
	3/5/2018	-	0.35	-		849.29	-

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)
TW-83					850.44		
	3/5/2018	-	0.97	-		849.47	-
TW-84					851.22		
	3/5/2018	-	2.05	-		849.17	-
TW-85					843.49		
	3/5/2018	-	NM	-		-	-
TW-86					853.10		
	3/5/2018	-	3.51	-		849.59	-
TW-87					852.25		
	3/5/2018	-	2.58	-		849.67	-
TW-90					845.43		
	3/5/2018	-	-	-		845.43	-
TW-94					840.58		
	3/5/2018	-	-	-		840.58	-
TW-96					840.40		
	3/5/2018	-	-	-		840.40	-

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 resurve after trimming is displayed. Groundwater elevation calculations are based on the true top of casing elevation at the ti

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

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

- = not applicable

amsl = above mean sea level

BTOC = below top of casing

DRY = well contained no measurable water or product

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. Product Skimmer Recovery Results

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Well Identifier	Week 1 Volume Recovered (gal)	Week 2 Volume Recovered (gal)	Week 3 Volume Recovered (gal)	Week 4 Volume Recovered (gal)	Total recovered to date (gal)	Note
Date	**2/20/2018**	**2/26/2018**	**3/9/2018**	**3/15/2018**		
Product Skimmers						
MW-08	-	-	-	-	**-**	No measurable product recovered
MW-15	-	-	0.023	0.004	**0.027**	
MW-20	0.004	0.017	0.016	-	**0.037**	
RS-01	NA	NA	0.031	0.008	**0.039**	Difficulty inserting product skimmer; replaced with smaller size
RS-02	-	-	0.001	-	**0.001**	
RS-05	0.844	0.813	1.094	1.125	**3.875**	
RS-10	0.002	-	-	-	**0.002**	
RS-14	0.016	-	-	-	**0.016**	
RS-17	-	-	0.001	-	**0.001**	
RW-02	-	0.090	0.047	-	**0.137**	
RW-03	-	-	0.008	0.008	**0.016**	
RW-04	-	0.008	0.016	-	**0.023**	
RW-05	-	0.016	0.016	0.656	**0.688**	
RW-07	0.002	-	0.008	-	**0.010**	
RW-08	-	-	-	-	**-**	No measurable product recovered
RW-15	0.078	-	-	0.117	**0.195**	
Petroleum-Absorbent Socks						
MW-11	0.200	0.224	-	0.256	**0.680**	
RS-08	NA	NA	NA	NA	NA	Skimmer incompatible with well, cage and sock ordered
RT-1A	NA	NA	NA	NA	NA	Skimmer incompatible with well, cage and sock ordered
RT-1B	NA	NA	NA	NA	NA	Skimmer incompatible with well, cage and sock ordered
RT-1C	NA	NA	NA	NA	NA	Skimmer incompatible with well, cage and sock ordered
RT-2K	NA	NA	NA	NA	NA	Skimmer incompatible with well, cage and sock ordered
Total:	**1.145**	**1.167**	**1.259**	**2.174**	**5.746**	

Notes:

gal = gallons

ID = identification

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-01	MW-01-072715			7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-01-012716			1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-01-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01-090717			9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01-120517	12/4/2017	9.85	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01-030818	3/5/2018	3.80	3/8/2018	µg/L	**1.85**	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	12/4/2017	10.24	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-030818	3/5/2018	7.40	3/8/2018	µg/L	**3.51**	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	10/3/2017	16.03	10/4/2017	µg/L	**3,510**	**306**	**11,900**	**11,200**	50 U[b]	**53.9**	250 U[b]	--
	MW-02-110817	11/7/2017	4.20	11/8/2017	µg/L	**850**	100 U	**1,370**	**3,520**	100 U[b]	100 U[b]	500 U[b]	--
	MW-02-120717	12/4/2017	2.54	12/7/2017	µg/L	**153**	**15.1**	**313**	**441**	1 U	**70.9**	**12.8**	--
	MW-02-010918	1/8/2018	14.26	1/9/2018	µg/L	**307**	10 U	**878**	**1,300**	10 U[b]	**61.8**	**63.7**	--
	MW-02-020618	2/5/2018	0.00	2/6/2018	µg/L	**30.5**	1.09	**29.6**	**88**	1 U	**32.0**	5 U	--
	MW-02-030718	3/5/2018	3.00	3/7/2018	µg/L	**131**	**34.1**	**594**	**442**	1 U	**27.6**	**34.5**	--
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	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					**µg/L**	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-02B	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	12/4/2017	24.56	12/7/2017	µg/L	1 U	1 U	**1.11**	3 U	1 U	1 U	5 U	--
	MW-02B-030718	3/5/2018	1.50	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-03	MW-03-072715			7/27/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-03-012516			1/25/2016	µg/L	**108**	**20.1**	**958**	**598**	1 U	1 U	**11.1**	0.02 U
	MW-03-120616			12/6/2016	µg/L	**61.1**	**25.1**	**229**	**330**	2 U	2 U	**3.6**	--
	MW-03-062917			6/29/2017	µg/L	**10.9**	1 U	**24.6**	**6.98**	1 U	**2.34**	5 U	--
	--			9/5/2017	--	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS	NS-HS
	--	10/3/2017	19.87	10/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-03-110817	11/7/2017	--*	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-03-120517	12/4/2017	18.00	12/5/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	--	1/8/2018	19.98	1/8/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-03-020618	2/5/2018	--*	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-03-030718	3/5/2018	4.12	3/7/2018	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	12/4/2017	10.07	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-04-030718	3/5/2018	10.70	3/7/2018	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	10/3/2017	17.03	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-110817	11/7/2017	17.18	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-120717	12/4/2017	16.55	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-010918	1/8/2018	16.57	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-05	MW-05-020618	2/5/2018	15.87	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-030718	3/5/2018	13.06	3/7/2018	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	12/4/2017	15.45	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-06-030718	3/5/2018	13.25	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-06B	MW-06B-120717	12/4/2017	16.14	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-06B-D-120717	12/4/2017	16.14	12/7/2017	µg/L	1 U	1 U	**1.82**	3 U	1 U	1 U	5 U	--
	MW-06B-030718	3/5/2018	4.12	3/7/2018	µg/L	1 U	1 U	**3.63**	3 U	1 U	1 U	5 U	--
MW-07	--			7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-07-012116			1/21/2016	µg/L	**1,060**	**389**	**5,210**	**2,620**	40 U[b]	40 U[b]	40 U[b]	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-07-062917			6/29/2017	µg/L	**4,290**	**629**	**17,700**	**4,990**	250 U[b]	250 U[b]	1,250 U[b]	--
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/3/2017	13.20	10/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	13.20	11/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	13.21	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/8/2018	13.21	1/8/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/5/2018	13.19	2/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-07-030818	3/5/2018	11.77	3/8/2018	µg/L	**4,550**	**802**	**14,100**	**7,520**	50 U[b]	50 U[b]	250 U[b]	--
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	12/4/2017	10.47	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-08-030718	3/5/2018	7.50	3/7/2018	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]	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-09	--			9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-09-120717	12/4/2017	3.05	12/7/2017	µg/L	**54.3**	**3.44**	**19.6**	**64.8**	1 U	**27.5**	5 U	--
	MW-09-030718	3/5/2018	0.50	3/7/2018	µg/L	**3.3**	1 U	**11.0**	**3.92**	1 U	**8.74**	5 U	--
	MW-09D-030718	3/5/2018	0.50	3/7/2018	µg/L	1 U	1 U	**1.32**	3 U	1 U	**8.74**	5 U	--
MW-09B	MW-09B-120717	12/4/2017	9.15	12/7/2017	µg/L	**21.8**	**24.7**	**82.1**	**179**	1 U	**4.72**	**11.9**	--
	MW-09B-030718	3/5/2018	0.00	3/7/2018	µg/L	**4.36**	**4.5**	**18.1**	**33.3**	1 U	**1.37**	5 U	--
MW-10	MW-10-072815			7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-10-012616			1/26/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-10-120616			12/6/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-10-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-050317-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	10/3/2017	17.33	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-110817	11/7/2017	12.64	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-120717	12/4/2017	10.85	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-010918	1/8/2018	15.08	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-020618	2/5/2018	6.81	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-D-020618	2/5/2018	6.81	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-030718	3/5/2018	5.11	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-11	--			7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-11-012616			1/26/2016	µg/L	**10,600**	**948**	**24,400**	**4,700**	10 U[b]	**432**	**123**	0.019 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-11-062817			6/28/2017	µg/L	**10,900**	**2,140**	**29,600**	**11,700**	100 U[b]	**147**	500 U[b]	--
	--			9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	29.86	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/5/2018	28.10	3/5/2018	--	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

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-12	--			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	12/4/2017	15.55	12/6/2017	µg/L	**367**	**137**	**1,540**	**4,660**	10 U[b]	10 U	**54.4**	--
	MW-12-030818	3/5/2018	12.83	3/8/2018	µg/L	**486**	**25.2**	**1,880**	**1,980**	10 U[b]	10 U	50 U[b]	--
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	12/4/2017	16.12	12/6/2017	µg/L	**1.01**	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-12B-030818	3/5/2018	12.92	3/8/2018	µg/L	**3.06**	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	21.87	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-13-030618	3/5/2018	20.40	3/6/2018	µg/L	**6.98**	**1.14**	**15.3**	**4.55**	1 U	1 U	5 U	--
MW-13B	MW-13B-012816			1/28/2016	µg/L	**367**	1 U	**5.6**	**59.5**	1 U	**119**	1 U	0.02 U
	MW-13B-D-012816			1/28/2016	µg/L	**405**	1 U	**6.1**	**59.1**	1 U	**108**	1 U	0.02 U
	MW-13B-113016			11/30/2016	µg/L	**550**	**5.1**	**21.2**	**140**	5 U[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	11/7/2017	23.08	11/8/2017	µg/L	**325**	**3.42**	**19**	**91.6**	1 U	**173**	**5.55**	--
	MW-13B-D-110817	11/7/2017	23.08	11/8/2017	µg/L	**356**	**3.85**	**20.8**	**100**	1 U	**168**	**6.61**	--
	MW-13B-120617	12/4/2017	22.66	12/6/2017	µg/L	**269**	**3.97**	**24.4**	**100**	1 U	**140**	**8.83**	--
	MW-13B-030718	3/5/2018	21.00	3/7/2018	µg/L	**252**	**3.13**	**12.1**	**60.2**	1 U	**175**	**6.44**	--
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

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-14	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	12/4/2017	17.62	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-14-030718	3/5/2018	15.11	3/7/2018	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	12/4/2017	19.22	12/6/2017	µg/L	**8.82**	1 U	1 U	**6.91**	1 U	**24.4**	5 U	--
	MW-14B-030718	3/5/2018	16.95	3/7/2018	µg/L	**3.57**	1 U	1 U	**5.6**	1 U	**9.28**	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	12/4/2017	13.66	12/6/2017	µg/L	1 U	1 U	**2**	**5**	1 U	**140**	5 U	--
	MW-15-030818	3/5/2018	10.04	3/8/2018	µg/L	**53.1**	**2.75**	**89.9**	**53.1**	1 U	**85**	5 U	--
MW-15B	MW-15B-080415			8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.019 U
	MW-15B-012816			1/28/2016	µg/L	**4.8**	1 U	**2**	**3.9**	1 U	1 U	1 U	0.02 U
	MW-15B-113016			11/30/2016	µg/L	**337**	**34**	**565**	**194**	5 U[b]	**26.7**	**5**	--
	MW-15B-031417			3/14/2017	µg/L	**2,160**	**248**	**4,580**	**1,500**	100 U[b]	**118**	500 U[b]	--
	MW-15B-032017			3/20/2017	µg/L	**615**	**88.6**	**1,270**	**555**	25 U[b]	**67.5**	125 U[b]	--
	MW-15B-033117			3/31/2017	µg/L	**1,630**	**205**	**3,240**	**1,180**	50 U[b]	**115**	250 U[b]	--
	MW-15B-040617			4/6/2017	µg/L	**1,020**	**132**	**2,020**	**789**	25 U[b]	**84.7**	125 U[b]	--
	MW-15B-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	12/4/2017	16.25	12/6/2017	µg/L	**1,760**	**239**	**3,630**	**1,380**	1 U	**135**	**37.6**	--

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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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-15B	MW-15B-D-120617	12/4/2017	16.25	12/6/2017	µg/L	**491**	**56**	**1,050**	**408**	1 U	**117**	**35.4**	--
	MW-15B-030818	3/5/2018	14.66	3/8/2018	µg/L	**1,290**	**151**	**3,140**	**1,070**	25 U[b]	**93.2**	125 U[b]	--
MW-16	--			7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-16-062917			6/29/2017	µg/L	**12,900**	**1,770**	**36,400**	**12,500**	500 U[b]	**1,740**	2,500 U[b]	--
	--			9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	7.00	12/7/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-16-030718	3/5/2018	3.00	3/7/2018	µg/L	**130**	**295**	**1,370**	**2,470**	10 U[b]	**132**	**618**	--
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	10.85	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/5/2018	10.85	3/5/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
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	12/4/2017	17.05	12/7/2017	µg/L	**10,600**	**1,060**	**14,900**	**9,210**	10 U[b]	**1,140**	**178**	--
	MW-17B-030718	3/5/2018	14.80	3/7/2018	µg/L	**8,830**	**1,110**	**20,200**	**8,220**	50 U[b]	**960**	250 U[b]	--
	MW-17BD-030718	3/5/2018	14.80	3/7/2018	µg/L	**8,700**	**1,080**	**19,400**	**7,770**	50 U[b]	**983**	250 U[b]	--
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

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					**µg/L**	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-18	--			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	11.64	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	3/5/2018	18.25	3/5/2018	--	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	11.77	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	3/5/2018	11.75	3/5/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
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
	--	10/3/2017	13.79	10/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	11/7/2017	13.61	11/8/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	14.64	12/4/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	1/8/2018	14.04	1/8/2018	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	2/5/2018	12.57	2/6/2018	--	NS-OL	NS-OL	NS-OL	NS-OL	NS-OL	NS-OL	NS-OL	NS-OL
	--	3/5/2018	10.90	3/6/2018	--	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

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-21	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	12/4/2017	17.42	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-21-030718	3/5/2018	8.05	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-22	--			7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-22-012116			1/21/2016	µg/L	**19.8**	**3.4**	**47.2**	**37.4**	1 U	1 U	1 U	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			5/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-22-062917			6/29/2017	µg/L	**234**	10 U	**125**	30 U	10 U[b]	10 U	50 U[b]	--
	--			7/17/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			8/1/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/3/2017	9.94	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	9.96	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	9.99	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/8/2018	10.01	1/8/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/5/2018	9.81	2/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-22-030618	3/5/2018	8.05	3/6/2018	µg/L	1 U	1 U	**1.03**	3 U	1 U	1 U	5 U	--
MW-23	MW-23-072715			7/27/2015	µg/L	5 U[b]	5 U	**7.5**	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-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]	--

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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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-23	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	10/3/2017	11.52	10/4/2017	µg/L	**703**	10 U	**17.5**	**515**	10 U[b]	**90.1**	50 U[b]	--
	MW-23-100417-DUP	10/3/2017	11.52	10/4/2017	µg/L	**543**	**2.65**	**11.5**	**424**	1 U	**69.2**	5 U	--
	MW-23-110817	11/7/2017	11.10	11/8/2017	µg/L	**788**	10 U	**21.5**	**580**	10 U[b]	**118**	50 U[b]	--
	MW-23-120617	12/4/2017	11.13	12/6/2017	µg/L	**693**	10 U	**17.0**	**408**	10 U[b]	**99.5**	50 U[b]	--
	MW-23-010918	1/8/2018	11.02	1/9/2018	µg/L	**127**	10 U	10 U	**137**	10 U[b]	**69.6**	50 U[b]	--
	MW-23-020618	2/5/2018	9.76	2/6/2018	µg/L	**1.1**	1 U	1 U	3 U	1 U	**33.8**	5 U	--
	MW-23-030618	3/5/2018	8.27	3/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**17.5**	5 U	--
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	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	12/4/2017	11.45	12/6/2017	µg/L	1 U	**1.2**	**2.48**	**7.93**	1 U	1 U	5 U	--
	MW-23B-030618	3/5/2018	10.88	3/6/2018	µg/L	1 U	**1.2**	**4.57**	**9.14**	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	12/4/2017	4.51	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-24-030818	3/5/2018	4.15	3/8/2018	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	--

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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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-24B	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	12/4/2017	5.69	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-24B-030818	3/5/2018	5.03	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-25	MW-25-012716			1/27/2016	µg/L	**101**	1 U	1 U	**115**	1 U	1 U	**1.8**	0.02 U
	MW-25-012716			12/1/2016	µg/L	**675**	**30.2**	**15.3**	**619**	5 U[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	10/3/2017	8.52	10/4/2017	µg/L	**173**	**16.2**	**1.73**	**276**	1 U	**1.1**	**6.77**	--
	MW-25-110817	11/7/2017	8.35	11/8/2017	µg/L	**82.9**	**7.21**	1 U	**143**	1 U	1 U	**7.74**	--
	MW-25-120617	12/4/2017	7.10	12/6/2017	µg/L	**23.8**	**1.84**	1 U	**60.5**	1 U	1 U	5 U	--
	MW-25-010918	1/8/2018	8.80	1/9/2018	µg/L	**72**	**2.74**	1 U	**111**	1 U	1 U	5 U	--
	MW-25-020618	2/5/2018	8.15	2/6/2018	µg/L	**10.8**	1 U	1 U	**19.3**	1 U	1 U	5 U	--
	MW-25-030818	3/5/2018	7.84	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-25B	MW-25B-012716			1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-25B-120116			12/1/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-25B-031417			3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-090817			9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-090817-DUP			9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-120617	12/4/2017	5.30	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25B-030818	3/5/2018	4.12	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-26	MW-26-012016			1/20/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-26-120116			12/1/2016	µg/L	1 U	1 U	**2.3**	1 U	1 U	1 U	1 U	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-26	MW-26-031417			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	10/3/2017	7.71	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-110817	11/7/2017	6.56	11/8/2017	µg/L	1 U	1 U	**1.17**	3 U	1 U	1 U	5 U	--
	MW-26-120617	12/4/2017	6.83	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-010918	1/8/2018	6.68	1/9/2018	µg/L	1 U	**1.79**	**6.2**	**13.8**	1 U	1 U	5 U	--
	MW-26-020618	2/5/2018	4.37	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-030618	3/5/2018	2.94	3/6/2018	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	12/4/2017	9.17	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26B-030618	3/5/2018	6.30	3/6/2018	µg/L	1 U	1 U	**1.03**	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	12/4/2017	27.46	12/5/2017	µg/L	**6.48**	**8.23**	**12.5**	**20.5**	1 U	1 U	5 U	--
	MW-27-030818	3/5/2018	25.29	3/8/2018	µg/L	**14.5**	**29.7**	**62.3**	**227**	1 U	1 U	5 U	--
MW-27B	MW-27B-051216			5/12/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-27B	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	12/4/2017	30.70	12/5/2017	µg/L	1 U	**3.1**	**5.91**	**24.8**	1 U	1 U	**5.81**	--
	MW-27B-D-120517	12/4/2017	30.70	12/5/2017	µg/L	1 U	**3.96**	**7.24**	**31.6**	1 U	1 U	**7.09**	--
	MW-27B-030818	3/5/2018	3.20	3/8/2018	µg/L	1 U	**3.44**	**6.82**	**28.8**	1 U	1 U	5 U	--
MW-28	MW-28-012716			1/27/2016	µg/L	**542**	**430**	**3,850**	**3,370**	1 U	**4.8**	**96.3**	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-28-031517			3/15/2017	µg/L	**1,120**	**68.9**	**3,350**	**1,370**	50 U[b]	50 U[b]	250 U	--
	--			3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-28-050317			5/3/2017	µg/L	**65.9**	**14.5**	**263**	**1,010**	1 U	**2.94**	**9.33**	--
	MW-28-062817			6/28/2017	µg/L	**199**	**55**	**108**	**546**	1 U	1 U	**10.1**	--
	MW-28-071717			7/17/2017	µg/L	**219**	**64.2**	**85.8**	**422**	1 U	1 U	**14.7**	--
	MW-28-080217			8/2/2017	µg/L	**219**	**48.7**	**52.7**	**187**	1 U	**3.46**	**11.9**	--
	MW-28-090817			9/8/2017	µg/L	**130**	**16.2**	**175**	**388**	1 U	**4.77**	**13.6**	--
	--	10/3/2017	23.80	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	23.78	11/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	23.94	12/7/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/8/2018	24.15	1/9/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-28-020618	2/5/2018	22.60	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-28-030818	3/5/2018	21.65	3/8/2018	µg/L	**10.1**	**9.92**	**5.27**	**21.2**	1 U	1 U	5 U	--
MW-29	MW-29-012116			1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-29-112916			11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-29-031317			3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-080117			8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-090717			9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-29	MW-29-100417	10/3/2017	10.85	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-110817	11/7/2017	10.06	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-120617	12/4/2017	10.39	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-010918	1/8/2018	10.36	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-020618	2/5/2018	7.80	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-030718	3/5/2018	4.20	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-30	MW-30-012516			1/25/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-30-050417			5/4/2017	µg/L	**104**	**3.98**	**341**	**161**	1 U	1 U	5 U	--
	MW-30-062917			6/29/2017	µg/L	**646**	25 U	**1,630**	**736**	25 U[b]	25 U	125 U[b]	--
	MW-30-071717			7/17/2017	µg/L	**922**	25 U	**2,050**	**1,320**	25 U[b]	25 U	125 U[b]	--
	MW-30-080217			8/2/2017	µg/L	**1,240**	**25.9**	**1,020**	**2,230**	25 U[b]	25 U	125 U[b]	--
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/3/2017	14.58	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	14.60	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	14.47	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/8/2018	14.59	1/8/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-30-020518	2/5/2018	13.11	2/5/2018	µg/L	**2.2**	1 U	**1.86**	**4.1**	1 U	1 U	5 U	--
	MW-30-030718	3/5/2018	11.43	3/7/2018	µg/L	**22.1**	1 U	**8.94**	**19.1**	1 U	**2.25**	5 U	--
MW-31	MW-31-051016			5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-31-112916			11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-31-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-080117			8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-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	10/3/2017	22.70	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-110817	11/7/2017	20.81	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-120617	12/4/2017	20.05	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-010918	1/8/2018	22.55	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-020618	2/5/2018	18.90	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-030718	3/5/2018	18.01	3/7/2018	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

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-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	12/4/2017	10.02	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-32-030718	3/5/2018	6.82	3/7/2018	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	12/4/2017	27.12	12/6/2017	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-33T-030718	3/5/2018	25.23	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-34	MW-34-031517			3/15/2017	--	**978**	**33.0**	**143**	**218**	10 U[b]	**157**	50 U[b]	--
	MW-34-032017			3/20/2017	µg/L	**801**	10.0 U	**113**	**305**	10 U[b]	**149**	50 U[b]	--
	MW-34-033117			3/31/2017	µg/L	**728**	10.0 U	**81.4**	**224**	10 U[b]	**152**	50 U[b]	--
	MW-34-040617			4/6/2017	µg/L	**860**	**1.7**	**58.6**	**181**	1 U	**123**	5 U	--
	MW-34-050317			5/3/2017	µg/L	**287**	**2.62**	**27.2**	**130**	1 U	**124**	5 U	--
	MW-34-062817			6/28/2017	µg/L	**167**	**4.59**	**9.3**	**39.2**	1 U	**68.3**	5 U	--
	MW-34-071717			7/17/2017	µg/L	**137**	**5.83**	**19.8**	**69.5**	1 U	**73.8**	5 U	--
	MW-34-080117			8/1/2017	µg/L	**517**	10 U	**31.7**	**110**	10 U[b]	**98.3**	50 U[b]	--
	MW-34-090817			9/8/2017	µg/L	**1,430**	**6.01**	**98.0**	**264**	1 U	**191**	**7.33**	--
	MW-34-100417	10/3/2017	2.76	10/4/2017	µg/L	**919**	10 U	**36.8**	**157**	10 U[b]	**151**	50 U[b]	--
	MW-34-100417-DUP	10/3/2017	2.76	10/4/2017	µg/L	**846**	**1.49**	**40.8**	**186**	1 U	**148**	5 U	--
	MW-34-110817	11/7/2017	2.48	11/8/2017	µg/L	**338**	10 U	**15.3**	**140**	10 U[b]	**266**	50 U[b]	--
	MW-34-120617	12/4/2017	2.52	12/6/2017	µg/L	**169**	10 U	**29.7**	**70**	10 U[b]	**218**	50 U[b]	--
	MW-34-010918	1/8/2018	2.48	1/9/2018	µg/L	**147**	10 U	**13.1**	**80**	10 U[b]	**246**	50 U[b]	--
	MW-34-020618	2/5/2018	2.27	2/6/2018	µg/L	**249**	10 U	**19.2**	**88.3**	10 U[b]	**191**	50 U[b]	--
	MW-34-030818	3/5/2018	2.23	3/8/2018	µg/L	**696**	**7.35**	**51.6**	**180**	1 U	**229**	**5.84**	--
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	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-35	MW-35-071717			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	10/3/2017	10.34	10/4/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-110817	11/7/2017	8.94	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-120617	12/4/2017	10.41	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-010918	1/8/2018	10.57	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-D-010918	1/8/2018	10.57	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-020618	2/5/2018	9.00	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-030818	3/5/2018	8.33	3/8/2018	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	12/4/2017	20.14	12/7/2017	µg/L	**17.5**	1 U	**30.2**	**14.4**	1 U	1 U	5 U	--
	MW-36-030718	3/5/2018	18.11	3/7/2018	µg/L	**44.2**	10 U	**75.2**	**38.4**	10 U[b]	10 U	50 U[b]	--
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	12/4/2017	20.90	12/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-36B-030718	3/5/2018	17.81	3/7/2018	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	12/4/2017	3.47	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**2.93**	5 U	--
	MW-37-030818	3/5/2018	3.28	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**3.71**	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	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-38	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	10/3/2017	2.23	10/4/2017	µg/L	**1.75**	1 U	1 U	3 U	1 U	**11.2**	5 U	--
	MW-38-110817	11/7/2017	1.88	11/8/2017	µg/L	**4.48**	1 U	1 U	**12.4**	1 U	**29.2**	5 U	--
	MW-38-120617	12/4/2017	2.01	12/6/2017	µg/L	**102**	1 U	1 U	**86.1**	1 U	**38**	5 U	--
	MW-38-010918	1/8/2018	1.95	1/9/2018	µg/L	**311**	1 U	**2.31**	**158**	1 U	**49.4**	5 U	--
	MW-38-020618	2/5/2018	1.58	2/6/2018	µg/L	**389**	5 U	5 U	**208**	5 U	**48.8**	25 U	--
	MW-38-030818	3/5/2018	1.25	3/8/2018	µg/L	**364**	5 U	5 U	**202**	5 U	**54.8**	25 U	--
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	10/3/2017	3.75	10/4/2017	µg/L	**1,560**	50 U	**365**	**1,350**	50 U[b]	**305**	250 U[b]	--
	MW-39-110817	11/7/2017	4.89	11/8/2017	µg/L	**878**	50 U	**123**	**368**	50 U[b]	**442**	250 U[b]	--
	MW-39-120617	12/4/2017	5.72	12/6/2017	µg/L	**345**	50 U	**69**	**150**	50 U[b]	**355**	250 U[b]	--
	MW-39-D-120617	12/4/2017	5.72	12/6/2017	µg/L	**286**	1 U	**31**	**131**	1 U	**353**	5 U	--
	MW-39-010918	1/8/2018	4.86	1/9/2018	µg/L	**23.8**	5 U	5 U	15 U	5 U	**370**	25 U	--
	MW-39-020618	2/5/2018	4.85	2/6/2018	µg/L	**46.9**	5 U	5 U	15 U	5 U	**263**	25 U	--
	MW-39-030818	3/5/2018	4.66	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**304**	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]	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-40	MW-40-080117			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	10/3/2017	1.95	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	11/7/2017	2.11	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	12/4/2017	3.43	12/6/2017	µg/L	**14,300**	1,000 U[b]	**22,300**	**10,100**	1,000 U[b]	1,000 U[b]	5,000 U[b]	--
	MW-40-010918	1/8/2018	2.72	1/9/2018	µg/L	**12,400**	**773**	**22,300**	**10,200**	200 U[b]	**497**	1,000 U[b]	--
	MW-40-020618	2/5/2018	2.75	2/6/2018	µg/L	**11,100**	**777**	**20,300**	**9,350**	200 U[b]	**373**	1,000 U[b]	--
	MW-40-030818	3/5/2018	2.44	3/8/2018	µg/L	**8,450**	**498**	**14,500**	**7,580**	50 U[b]	**337**	250 U[b]	--
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	10/3/2017	4.37	10/4/2017	µg/L	**93.5**	1 U	1 U	**59.9**	1 U	**1.84**	5 U	--
	MW-41-110817	11/7/2017	4.39	11/8/2017	µg/L	**99.6**	1 U	1 U	**56.6**	1 U	**2.46**	**5.68**	--
	MW-41-120617	12/4/2017	5.55	12/6/2017	µg/L	**27.6**	1 U	1 U	**11.1**	1 U	**1.62**	5 U	--
	MW-41-010918	1/8/2018	4.40	1/9/2018	µg/L	**2.06**	1 U	1 U	3 U	1 U	**1.43**	5 U	--
	MW-41-020618	2/5/2018	3.82	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-41-030818	3/5/2018	3.94	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-42	MW-42-120716			12/7/2016	µg/L	**3.8**	1 U	1 U	**2.7**	1 U	1 U	1 U	--
	MW-42-031417			3/14/2017	µg/L	**19.3**	1 U	1 U	3 U	1 U	**1.12**	5 U	--
	MW-42-032017			3/20/2017	µg/L	**59.6**	1 U	1 U	**16.9**	1 U	**1.24**	5 U	--
	MW-42-033117			3/31/2017	µg/L	**135**	1 U	1 U	**73.8**	1 U	1 U	**5.19**	--
	MW-42-040617			4/6/2017	µg/L	**93.5**	1 U	1 U	**53.3**	1 U	**1.18**	5 U	--
	MW-42-062817			6/28/2017	µg/L	**15.1**	1 U	1 U	**11.7**	1 U	**1.25**	5 U	--
	MW-42-090817			9/8/2017	µg/L	**143**	1 U	1 U	**100**	1 U	**1.51**	**5.52**	--
	MW-42-120617	12/4/2017	5.26	12/6/2017	µg/L	**9.82**	1 U	1 U	**45**	1 U	**1.24**	5 U	--
	MW-42-030818	3/5/2018	4.86	3/8/2018	µg/L	1.02	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-43	MW-43-110817	11/7/2017	4.45	11/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-120617	12/4/2017	4.50	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-010918	1/8/2018	4.35	1/9/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-020618	2/5/2018	3.70	2/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-43	MW-43-030818	3/5/2018	3.90	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-43B	MW-43B-120617	12/4/2017	4.08	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43B-030818	3/5/2018	1.21	3/8/2018	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	9.40	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-44-030818	3/5/2018	4.00	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-44D-030818	3/5/2018	4.00	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-44B	MW-44B-031317			3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-44B-062817			6/28/2017	µg/L	1 U	1 U	**2.39**	3 U	1 U	1 U	5 U	--
	MW-44B-090717			9/7/2017	µg/L	1 U	1 U	**3.07**	3 U	1 U	1 U	5 U	--
	MW-44B-120517	12/4/2017	14.32	12/5/2017	µg/L	1 U	1 U	**2.27**	3 U	1 U	1 U	5 U	--
	MW-44B-030818	3/5/2018	12.10	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-45	--			3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			5/3/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-45-062917			6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45-080217			8/2/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	10/3/2017	14.25	10/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	11/7/2017	14.24	11/8/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	14.22	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	1/8/2018	14.25	1/8/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	2/5/2018	13.95	2/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-45-030618	3/5/2018	12.31	3/6/2018	µg/L	**24.3**	**6.11**	**28.9**	**41.2**	1 U	1 U	5 U	--
MW-45B	MW-45B-031317			3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-062817			6/28/2017	µg/L	1 U	1 U	**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	12/4/2017	15.93	12/7/2017	µg/L	1 U	1 U	**3.26**	3 U	1 U	1 U	5 U	--
	MW-45B-030618	3/5/2018	14.65	3/6/2018	µg/L	1 U	1 U	**2.75**	3 U	1 U	1 U	5 U	--
MW-46	MW-46-120617	12/4/2017	9.48	12/6/2017	µg/L	**4.97**	1 U	1 U	**7.74**	1 U	**85.5**	5 U	--

Table 7. 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	Gauging Date	Depth to Water	Sample Date	Analyte: Units	Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB
RBSL[a]:					**µg/L**	5.0	700	1,000	10,000	5.0	40	25	0.05
MW-46	MW-46-030618	3/5/2018	6.33	3/6/2018	µg/L	**173**	**1.76**	**16.5**	**29.5**	1 U	**129**	**7.21**	--
MW-47	MW-47-120617	12/4/2017	17.75	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-47-030718	3/5/2018	14.74	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-48B	MW-48B-120617	12/4/2017	18.22	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	**2.92**	5 U	--
	MW-48B-030718	3/5/2018	16.70	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**2.97**	5 U	--
MW-49	MW-49-120617	12/4/2017	20.29	12/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-49-030818	3/5/2018	17.68	3/8/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-50B	MW-50B-120617	12/4/2017	21.37	12/6/2017	µg/L	**1.37**	1 U	1 U	3 U	1 U	**35.5**	5 U	--
	MW-50B-030718	3/5/2018	19.10	3/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**26.7**	5 U	--

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," February 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 cannot be determined.

*Unable to collect depth to water due to fluctuation from the sparging system operating.

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

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

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

ANALYTICAL REPORT

March 20, 2018

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L976731
Samples Received:	03/10/2018
Project Number:	
Description:	Lewis Drive Surface Water

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

Entire Report Reviewed By:

Chris McCord
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

	Collected by	Collected date/time	Received date/time
SW14-030918 L976731-01 GW		03/09/18 11:10	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/13/18 23:46	03/13/18 23:46	JBE

	Collected by	Collected date/time	Received date/time
SW11-030918 L976731-02 GW		03/09/18 08:50	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 00:06	03/14/18 00:06	JBE

	Collected by	Collected date/time	Received date/time
SW10-030918 L976731-03 GW		03/09/18 09:00	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 00:25	03/14/18 00:25	JBE

	Collected by	Collected date/time	Received date/time
FP01-030918 L976731-04 GW		03/09/18 09:10	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 00:45	03/14/18 00:45	JBE

	Collected by	Collected date/time	Received date/time
FP02-030918 L976731-05 GW		03/09/18 09:15	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 01:05	03/14/18 01:05	JBE

	Collected by	Collected date/time	Received date/time
SW09-030918 L976731-06 GW		03/09/18 09:25	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 01:25	03/14/18 01:25	JBE

	Collected by	Collected date/time	Received date/time
SW08-030918 L976731-07 GW		03/09/18 09:30	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 01:44	03/14/18 01:44	JBE

	Collected by	Collected date/time	Received date/time
SW13-030918 L976731-08 GW		03/09/18 09:40	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 02:04	03/14/18 02:04	JBE

FP03-030918 L976731-09 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:00	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 02:24	03/14/18 02:24	JBE

SW04-030918 L976731-10 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:05	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 02:44	03/14/18 02:44	JBE

SW02-030918 L976731-11 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:10	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 03:03	03/14/18 03:03	JBE

SW01-030918 L976731-12 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:15	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 03:23	03/14/18 03:23	JBE

SW07-030918 L976731-13 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:20	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 03:43	03/14/18 03:43	JBE

SW12-030918 L976731-14 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:30	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 04:03	03/14/18 04:03	JBE

SW03-030918 L976731-15 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 10:40	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 04:23	03/14/18 04:23	JBE

SW05-030918 L976731-16 GW

			Collected by	Collected date/time	Received date/time
				03/09/18 11:00	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/14/18 04:43	03/14/18 04:43	JBE

TB01-030918 L976731-17 GW

Collected by	Collected date/time	Received date/time
	03/09/18 11:15	03/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084210	1	03/13/18 23:26	03/13/18 23:26	JBE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All 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	03/13/2018 23:46	WG1084210
Ethylbenzene	ND		1.00	1	03/13/2018 23:46	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/13/2018 23:46	WG1084210
Naphthalene	ND		5.00	1	03/13/2018 23:46	WG1084210
Toluene	ND		1.00	1	03/13/2018 23:46	WG1084210
o-Xylene	ND		1.00	1	03/13/2018 23:46	WG1084210
m&p-Xylene	ND		2.00	1	03/13/2018 23:46	WG1084210
Xylenes, Total	ND		3.00	1	03/13/2018 23:46	WG1084210
(S) Toluene-d8	*111*		*80.0-120*		*03/13/2018 23:46*	WG1084210
(S) Dibromofluoromethane	*89.1*		*76.0-123*		*03/13/2018 23:46*	WG1084210
(S) a,a,a-Trifluorotoluene	*99.6*		*80.0-120*		*03/13/2018 23:46*	WG1084210
(S) 4-Bromofluorobenzene	*94.6*		*80.0-120*		*03/13/2018 23:46*	WG1084210

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	03/14/2018 00:06	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 00:06	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 00:06	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 00:06	WG1084210
Toluene	ND		1.00	1	03/14/2018 00:06	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 00:06	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 00:06	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 00:06	WG1084210
(S) Toluene-d8	*105*		*80.0-120*		*03/14/2018 00:06*	WG1084210
(S) Dibromofluoromethane	*91.5*		*76.0-123*		*03/14/2018 00:06*	WG1084210
(S) a,a,a-Trifluorotoluene	*99.2*		*80.0-120*		*03/14/2018 00:06*	WG1084210
(S) 4-Bromofluorobenzene	*92.5*		*80.0-120*		*03/14/2018 00:06*	WG1084210

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	03/14/2018 00:25	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 00:25	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 00:25	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 00:25	WG1084210
Toluene	ND		1.00	1	03/14/2018 00:25	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 00:25	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 00:25	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 00:25	WG1084210
(S) Toluene-d8	*108*		*80.0-120*		*03/14/2018 00:25*	WG1084210
(S) Dibromofluoromethane	*94.4*		*76.0-123*		*03/14/2018 00:25*	WG1084210
(S) a,a,a-Trifluorotoluene	*97.0*		*80.0-120*		*03/14/2018 00:25*	WG1084210
(S) 4-Bromofluorobenzene	*94.8*		*80.0-120*		*03/14/2018 00:25*	WG1084210

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	03/14/2018 00:45	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 00:45	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 00:45	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 00:45	WG1084210
Toluene	ND		1.00	1	03/14/2018 00:45	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 00:45	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 00:45	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 00:45	WG1084210
(S) Toluene-d8	*103*		*80.0-120*		*03/14/2018 00:45*	WG1084210
(S) Dibromofluoromethane	*89.3*		*76.0-123*		*03/14/2018 00:45*	WG1084210
(S) a,a,a-Trifluorotoluene	*98.0*		*80.0-120*		*03/14/2018 00:45*	WG1084210
(S) 4-Bromofluorobenzene	*91.5*		*80.0-120*		*03/14/2018 00:45*	WG1084210

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	03/14/2018 01:05	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 01:05	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 01:05	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 01:05	WG1084210
Toluene	ND		1.00	1	03/14/2018 01:05	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 01:05	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 01:05	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 01:05	WG1084210
(S) Toluene-d8	*107*		*80.0-120*		*03/14/2018 01:05*	WG1084210
(S) Dibromofluoromethane	*89.1*		*76.0-123*		*03/14/2018 01:05*	WG1084210
(S) a,a,a-Trifluorotoluene	*98.1*		*80.0-120*		*03/14/2018 01:05*	WG1084210
(S) 4-Bromofluorobenzene	*94.2*		*80.0-120*		*03/14/2018 01:05*	WG1084210

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	03/14/2018 01:25	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 01:25	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 01:25	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 01:25	WG1084210
Toluene	ND		1.00	1	03/14/2018 01:25	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 01:25	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 01:25	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 01:25	WG1084210
(S) Toluene-d8	*113*		*80.0-120*		*03/14/2018 01:25*	WG1084210
(S) Dibromofluoromethane	*93.1*		*76.0-123*		*03/14/2018 01:25*	WG1084210
(S) a,a,a-Trifluorotoluene	*96.7*		*80.0-120*		*03/14/2018 01:25*	WG1084210
(S) 4-Bromofluorobenzene	*94.1*		*80.0-120*		*03/14/2018 01:25*	WG1084210

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	03/14/2018 01:44	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 01:44	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 01:44	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 01:44	WG1084210
Toluene	ND		1.00	1	03/14/2018 01:44	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 01:44	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 01:44	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 01:44	WG1084210
(S) Toluene-d8	*112*		*80.0-120*		*03/14/2018 01:44*	WG1084210
(S) Dibromofluoromethane	*91.9*		*76.0-123*		*03/14/2018 01:44*	WG1084210
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*03/14/2018 01:44*	WG1084210
(S) 4-Bromofluorobenzene	*92.4*		*80.0-120*		*03/14/2018 01:44*	WG1084210

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	03/14/2018 02:04	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 02:04	WG1084210
Methyl tert-butyl ether	2.07		1.00	1	03/14/2018 02:04	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 02:04	WG1084210
Toluene	ND		1.00	1	03/14/2018 02:04	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 02:04	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 02:04	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 02:04	WG1084210
(S) Toluene-d8	*106*		*80.0-120*		*03/14/2018 02:04*	WG1084210
(S) Dibromofluoromethane	*90.9*		*76.0-123*		*03/14/2018 02:04*	WG1084210
(S) a,a,a-Trifluorotoluene	*98.6*		*80.0-120*		*03/14/2018 02:04*	WG1084210
(S) 4-Bromofluorobenzene	*92.7*		*80.0-120*		*03/14/2018 02:04*	WG1084210

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	03/14/2018 02:24	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 02:24	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 02:24	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 02:24	WG1084210
Toluene	ND		1.00	1	03/14/2018 02:24	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 02:24	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 02:24	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 02:24	WG1084210
(S) Toluene-d8	*107*		*80.0-120*		*03/14/2018 02:24*	WG1084210
(S) Dibromofluoromethane	*86.1*		*76.0-123*		*03/14/2018 02:24*	WG1084210
(S) a,a,a-Trifluorotoluene	*99.6*		*80.0-120*		*03/14/2018 02:24*	WG1084210
(S) 4-Bromofluorobenzene	*97.0*		*80.0-120*		*03/14/2018 02:24*	WG1084210

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	03/14/2018 02:44	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 02:44	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 02:44	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 02:44	WG1084210
Toluene	1.37		1.00	1	03/14/2018 02:44	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 02:44	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 02:44	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 02:44	WG1084210
(S) Toluene-d8	*108*		*80.0-120*		*03/14/2018 02:44*	WG1084210
(S) Dibromofluoromethane	*87.1*		*76.0-123*		*03/14/2018 02:44*	WG1084210
(S) a,a,a-Trifluorotoluene	*96.1*		*80.0-120*		*03/14/2018 02:44*	WG1084210
(S) 4-Bromofluorobenzene	*95.7*		*80.0-120*		*03/14/2018 02:44*	WG1084210

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.19		1.00	1	03/14/2018 03:03	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 03:03	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 03:03	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 03:03	WG1084210
Toluene	1.39		1.00	1	03/14/2018 03:03	WG1084210
o-Xylene	1.11		1.00	1	03/14/2018 03:03	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 03:03	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 03:03	WG1084210
(S) Toluene-d8	*109*		*80.0-120*		*03/14/2018 03:03*	WG1084210
(S) Dibromofluoromethane	*86.6*		*76.0-123*		*03/14/2018 03:03*	WG1084210
(S) a,a,a-Trifluorotoluene	*96.6*		*80.0-120*		*03/14/2018 03:03*	WG1084210
(S) 4-Bromofluorobenzene	*91.7*		*80.0-120*		*03/14/2018 03:03*	WG1084210

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.15		1.00	1	03/14/2018 03:23	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 03:23	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 03:23	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 03:23	WG1084210
Toluene	ND		1.00	1	03/14/2018 03:23	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 03:23	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 03:23	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 03:23	WG1084210
(S) Toluene-d8	*106*		*80.0-120*		*03/14/2018 03:23*	WG1084210
(S) Dibromofluoromethane	*88.1*		*76.0-123*		*03/14/2018 03:23*	WG1084210
(S) a,a,a-Trifluorotoluene	*99.1*		*80.0-120*		*03/14/2018 03:23*	WG1084210
(S) 4-Bromofluorobenzene	*94.0*		*80.0-120*		*03/14/2018 03:23*	WG1084210

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	03/14/2018 03:43	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 03:43	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 03:43	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 03:43	WG1084210
Toluene	ND		1.00	1	03/14/2018 03:43	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 03:43	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 03:43	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 03:43	WG1084210
(S) Toluene-d8	*112*		*80.0-120*		*03/14/2018 03:43*	WG1084210
(S) Dibromofluoromethane	*87.9*		*76.0-123*		*03/14/2018 03:43*	WG1084210
(S) a,a,a-Trifluorotoluene	*98.8*		*80.0-120*		*03/14/2018 03:43*	WG1084210
(S) 4-Bromofluorobenzene	*92.2*		*80.0-120*		*03/14/2018 03:43*	WG1084210

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.24		1.00	1	03/14/2018 04:03	WG1084210
Ethylbenzene	1.79		1.00	1	03/14/2018 04:03	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 04:03	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 04:03	WG1084210
Toluene	12.2		1.00	1	03/14/2018 04:03	WG1084210
o-Xylene	4.28		1.00	1	03/14/2018 04:03	WG1084210
m&p-Xylene	9.75		2.00	1	03/14/2018 04:03	WG1084210
Xylenes, Total	14.0		3.00	1	03/14/2018 04:03	WG1084210
(S) Toluene-d8	*111*		*80.0-120*		*03/14/2018 04:03*	WG1084210
(S) Dibromofluoromethane	*87.9*		*76.0-123*		*03/14/2018 04:03*	WG1084210
(S) a,a,a-Trifluorotoluene	*97.8*		*80.0-120*		*03/14/2018 04:03*	WG1084210
(S) 4-Bromofluorobenzene	*91.8*		*80.0-120*		*03/14/2018 04:03*	WG1084210

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	03/14/2018 04:23	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 04:23	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 04:23	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 04:23	WG1084210
Toluene	ND		1.00	1	03/14/2018 04:23	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 04:23	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 04:23	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 04:23	WG1084210
(S) Toluene-d8	*113*		*80.0-120*		*03/14/2018 04:23*	WG1084210
(S) Dibromofluoromethane	*87.1*		*76.0-123*		*03/14/2018 04:23*	WG1084210
(S) a,a,a-Trifluorotoluene	*98.1*		*80.0-120*		*03/14/2018 04:23*	WG1084210
(S) 4-Bromofluorobenzene	*95.8*		*80.0-120*		*03/14/2018 04:23*	WG1084210

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	03/14/2018 04:43	WG1084210
Ethylbenzene	ND		1.00	1	03/14/2018 04:43	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 04:43	WG1084210
Naphthalene	ND		5.00	1	03/14/2018 04:43	WG1084210
Toluene	ND		1.00	1	03/14/2018 04:43	WG1084210
o-Xylene	ND		1.00	1	03/14/2018 04:43	WG1084210
m&p-Xylene	ND		2.00	1	03/14/2018 04:43	WG1084210
Xylenes, Total	ND		3.00	1	03/14/2018 04:43	WG1084210
(S) Toluene-d8	*109*		*80.0-120*		*03/14/2018 04:43*	WG1084210
(S) Dibromofluoromethane	*88.6*		*76.0-123*		*03/14/2018 04:43*	WG1084210
(S) a,a,a-Trifluorotoluene	*96.6*		*80.0-120*		*03/14/2018 04:43*	WG1084210
(S) 4-Bromofluorobenzene	*94.9*		*80.0-120*		*03/14/2018 04:43*	WG1084210

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	03/13/2018 23:26	WG1084210
Ethylbenzene	ND		1.00	1	03/13/2018 23:26	WG1084210
Methyl tert-butyl ether	ND		1.00	1	03/13/2018 23:26	WG1084210
Naphthalene	ND		5.00	1	03/13/2018 23:26	WG1084210
Toluene	ND		1.00	1	03/13/2018 23:26	WG1084210
o-Xylene	ND		1.00	1	03/13/2018 23:26	WG1084210
m&p-Xylene	ND		2.00	1	03/13/2018 23:26	WG1084210
Xylenes, Total	ND		3.00	1	03/13/2018 23:26	WG1084210
(S) Toluene-d8	*109*		*80.0-120*		*03/13/2018 23:26*	WG1084210
(S) Dibromofluoromethane	*92.1*		*76.0-123*		*03/13/2018 23:26*	WG1084210
(S) a,a,a-Trifluorotoluene	*99.3*		*80.0-120*		*03/13/2018 23:26*	WG1084210
(S) 4-Bromofluorobenzene	*98.2*		*80.0-120*		*03/13/2018 23:26*	WG1084210

Method Blank (MB)

(MB) R3294434-2 03/13/18 22:45

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	*107*			*80.0-120*
(S) Dibromofluoromethane	*89.1*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.3*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3294434-1 03/13/18 21:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.6	94.4	70.0-130	
Ethylbenzene	25.0	27.1	109	70.0-130	
Methyl tert-butyl ether	25.0	21.5	86.0	70.0-130	
Naphthalene	25.0	23.8	95.1	70.0-130	
Toluene	25.0	25.8	103	70.0-130	
Xylenes, Total	75.0	77.9	104	70.0-130	
o-Xylene	25.0	25.3	101	70.0-130	
m&p-Xylenes	50.0	52.6	105	70.0-130	
(S) Toluene-d8			*107*	*80.0-120*	
(S) Dibromofluoromethane			*89.4*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*96.7*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*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.

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.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

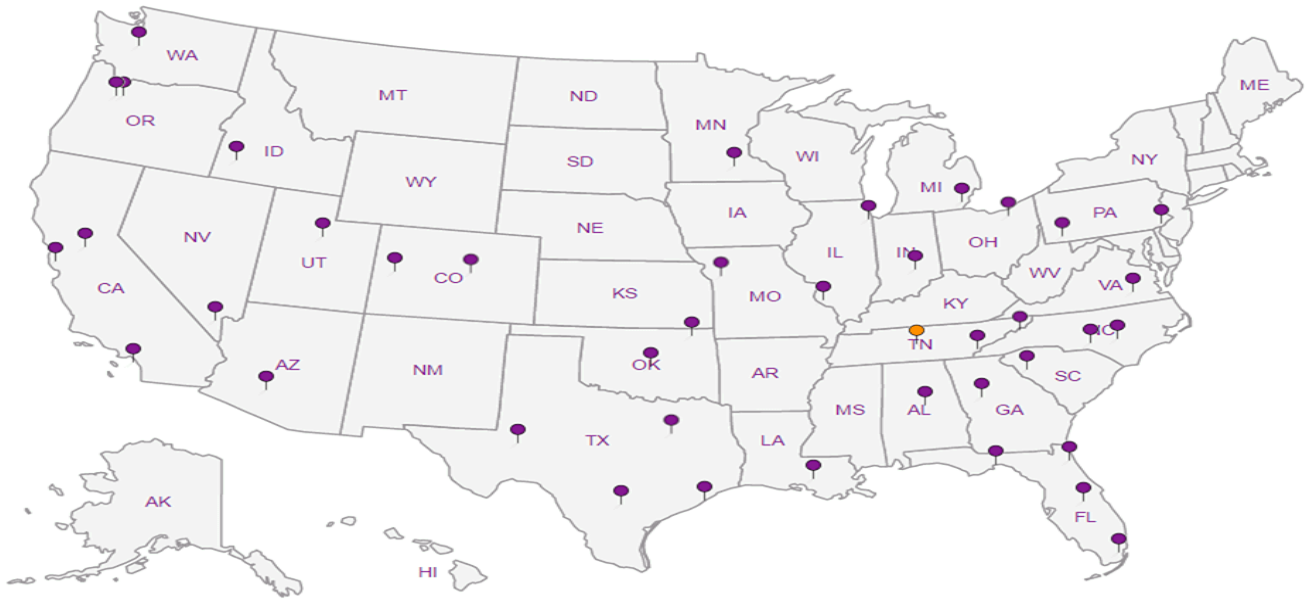
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

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.



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CH2MHILL

6600 Peachtree-Dunwoody Rd. 400 Embassy Row, Suite 600 Atlanta, GA 30328 Tel No. (770) 604-9182 Fax No. (770) 604-9183

CHAIN-OF-CUSTODY RECORD

1 COC NUMBER: 699858-mmddyy-01

2 PROJECT NAME	5 PROJECT NUMBER	8 LAB NAME AND CONTACT	11 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	14 RECIPIENT 1 (Address, Tel No., and Fax No.)
Lewis Drive - Belton, SC	699858.LD.MR.GW	ESC Lab Sciences Chris McCord	Bill Waldron wwaldron@ch2m.com	3120 Highwoods Blvd. Suite 214, Raleigh, NC 27604
3 PROJECT PHASE/SITE/TASK	**6 CTO OR DO NUMBER**	**9 LAB PO NUMBER**	**12 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)**	**15 RECIPIENT 2 (Address, Tel No., and Fax No.)**
Surface water sampling		Kinder Morgan	Bethany Garvey bgarvey@ch2m.com	6600 Peachtree-Dunwoody Rd. 400 Embassy Row, Suite 600, Atlanta, GA 30328 tel. 770.604.9182, fax. 770.604.9282
4 PROJECT CONTACT	**7 PROJECT TEL NO AND FAX NO**	**?**	**13 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)**	**16 RECIPIENT 3 (Address, Tel No., and Fax No.)**
Bill Waldron	919-760-1777	615-758-5858 phone		

25 ANALYSES REQUIRED (Include Method Number)

17 ITEM	18 SAMPLE IDENTIFIER	19 SAMPLE DESCRIPTION/LOCATION	20 MATRIX (see codes on SOP)	21 DATE COLLECTED	22 TIME COLLECTED	23 DATA PKG LEVEL (see codes on SOP)	24 TAT (calendar days)	Bottle Type: G / Number of Bottles	BTEX + MTBE + Naph (8260B)	26 SAMPLE TYPE (see codes on SOP)	27 COMMENTS SCREENING READINGS	28 LAB ID (for lab's use)
1	SW14-030918	SW-14	SW	03/09/18	11:10	2	7	3	X	N		-01
2	SW11-030918	SW-11	SW	03/09/18	08:50	2	7	3	X	N		02
3	SW10-030918	SW-10	SW	03/09/18	09:00	2	7	3	X	N		03
4	FP01-030918	FP-01	SW	03/09/18	09:10	2	7	3	X	N		04
5	FP02-030918	FP-02	SW	03/09/18	09:15	2	7	3	X	N		05
6	SW09-030918	SW-09	SW	03/09/18	09:25	2	7	3	X	N		06
7	SW08-030918	SW-08	SW	03/09/18	09:30	2	7	3	X	N		07
8	SW13-030918	SW-13	SW	03/09/18	09:40	2	7	3	X	N		08
9	FP03-030918	FP-03	SW	03/09/18	10:00	2	7	3	X	N		09
10	SW04-030918	SW-04	SW	03/09/18	10:05	2	7	3	X	N		10

29 SAMPLER(S) AND COMPANY (please print): Melissa Warren/CH2M HILL

30 COURIER AND SHIPPING NUMBER: FedEx Number:

31 SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)

32 RELINQUISHED BY (Printed Name and Signature)	DATE	TIME	33 RECEIVED BY (Printed Name and Signature)	DATE	TIME
Kyle Sexton [signature]	3-9-18	1600			
			[signature]	3-10-18	0845

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report) [ ] Copy 1 - Project File [ ] Copy 2 - PMO

Form CT 2001, Rev 08/09

Count = 48 VP + 1 TB

2.2 ice

COCSI

4142 5230 2321

SW SW-1

L976731

CH2MHILL

CHAIN-OF-CUSTODY RECORD

1 COC NUMBER: 699858-mmddyy-01

2 PROJECT NAME: Lewis Drive - Belton, SC	3 PROJECT NUMBER: 699858.LD.MR.GW	8 LAB NAME AND CONTACT: ESC Lab Sciences, Chris McCord	11 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company): Bill Waldron wwaldron@ch2m.com	14 RECIPIENT 1 (Address, Tel No., and Fax No.): 3120 Highwoods Blvd. Suite 214, Raleigh, NC 27604
1 PROJECT PHASE/SITE/TASK: Surface water sampling	6 CTO OR DO NUMBER:	9 LAB PO NUMBER: Kinder Morgan	12 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company): Bethany Garvey bgarvey@ch2m.com	15 RECIPIENT 2 (Address, Tel No., and Fax No.): 6600 Peachtree-Dunwoody Rd, 400 Embassy Row, Suite 600, Atlanta, GA 30328 tel. 770.604.9182, fax. 770.604.9282
4 PROJECT CONTACT: Bill Waldron	7 PROJECT TEL NO AND FAX NO: 919-760-1777	615-758-5858 phone	13 FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company):	16 RECIPIENT 3 (Address, Tel No., and Fax No.):

25 ANALYSES REQUIRED (Include Method Numbers)

17 ITEM	18 SAMPLE IDENTIFIER	19 SAMPLE DESCRIPTION/LOCATION	20 MATRIX (use codes on SOP)	21 DATE COLLECTED	22 TIME COLLECTED	23 DATA PKG LEVEL (use codes on SOP)	24 TAT (calendar days)	Number of Bottles	BTEX + MTBE + Naph (8260B)	26 SAMPLE TYPE (use codes on SOP)	27 COMMENTS SCREENING READINGS	28 LAB ID (for lab's use)
1	SW02-030918	SW-02	SW	03/09/18	10:10	2	7	3	X	N		-11
2	SW01-030918	SW-01	SW	03/09/18	10:15	2	7	3	X	N		12
3	SW07-030918	SW-07	SW	03/09/18	10:20	2	7	3	X	N		13
4	SW12-030918	SW-12	SW	03/09/18	10:30	2	7	3	X	N		14
5	SW03-030918	SW-03	SW	03/09/18	10:40	2	7	3	X	N		15
6	SW05-030918	SW-05	SW	03/09/18	11:00	2	7	3	X	N		16
7	TB01-030818	Trip Blank	WQ	03/09/18	11:15	2	7	1	X	TB		17
8												
9												
10												

29 SAMPLER(S) AND COMPANY (please print): Melissa Warren/CH2M HILL

30 COURIER AND SHIPPING NUMBER: FedEx Number:

31 SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

32 RELINQUISHED BY	DATE	TIME	33 RECEIVED BY	DATE	TIME
Printed Name and Signature: Kyle Sexton [signature]	3-9-18	1400	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature: [signature]	3-10-18	0845

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report) [ ] Copy 1 - Project File [ ] Copy 2 - PM

Count = 48 vl + 1TB

2.2°C

COCSI

ESC LAB SCIENCES
Cooler Receipt Form

Client: KINCH2MGA	SDG#	L476731	
Cooler Received/Opened On: 3/ 10 /18	Temperature:	22°c	
Received By: Troy Dunlap			
Signature:			

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?		✓	
Preservation Correct / Checked?			

ANALYTICAL REPORT

March 14, 2018

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L975433
Samples Received:	03/07/2018
Project Number:	699858.ID.MR.GW
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

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

TABLE OF CONTENTS

MW-22-030618 L975433-02 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 09:25 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 17:13	03/08/18 17:13	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 17:13	03/08/18 17:13	MCG
Wet Chemistry by Method 9056A	WG1081704	1	03/08/18 00:23	03/08/18 00:23	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1081916	1	03/08/18 13:20	03/08/18 13:20	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 18:06	03/07/18 18:06	LRL

MW-13-030618 L975433-03 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 10:15 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 18:27	03/07/18 18:27	LRL

FB01-030618 L975433-04 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 13:00 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 18:48	03/07/18 18:48	LRL

MW-45-030618 L975433-05 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 13:15 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 19:08	03/07/18 19:08	LRL

MW-45B-030618 L975433-06 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 13:30 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 19:29	03/07/18 19:29	LRL

MW-46-030618 L975433-08 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 14:10 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 20:10	03/07/18 20:10	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	10	03/13/18 15:58	03/13/18 15:58	BMB

MW-23B-030618 L975433-09 GW

Collected by: Melissa Warren | Collected date/time: 03/06/18 14:20 | Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 20:30	03/07/18 20:30	LRL

MW-23-030618 L975433-10 GW

Collected by: Melissa Warren
Collected date/time: 03/06/18 14:25
Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/13/18 14:59	03/13/18 14:59	BMB

MW-26B-030618 L975433-11 GW

Collected by: Melissa Warren
Collected date/time: 03/06/18 14:40
Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 21:11	03/07/18 21:11	LRL

MW-26-030618 L975433-12 GW

Collected by: Melissa Warren
Collected date/time: 03/06/18 14:45
Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1081780	1	03/07/18 21:32	03/07/18 21:32	LRL

TB01-030618 L975433-13 GW

Collected by: Melissa Warren
Collected date/time: 03/06/18 13:05
Received date/time: 03/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082068	1	03/08/18 12:27	03/08/18 12:27	JHH

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

Jason Romer
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 17:13	WG1082115

Sample Narrative:
L975433-02 WG1082115: 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	03/08/2018 17:13	WG1082115

Sample Narrative:
L975433-02 WG1082115: 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)	182		100	1	03/08/2018 00:23	WG1081704
Sulfate	45000		5000	1	03/08/2018 00:23	WG1081704

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	14.5		10.0	1	03/08/2018 13:20	WG1081916

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	03/07/2018 18:06	WG1081780
Toluene	1.03		1.00	1	03/07/2018 18:06	WG1081780
Ethylbenzene	ND		1.00	1	03/07/2018 18:06	WG1081780
Xylenes, Total	ND		3.00	1	03/07/2018 18:06	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 18:06	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 18:06	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 18:06	WG1081780
(S) Toluene-d8	*104*		*80.0-120*		*03/07/2018 18:06*	WG1081780
(S) Dibromofluoromethane	*100*		*76.0-123*		*03/07/2018 18:06*	WG1081780
(S) a,a,a-Trifluorotoluene	*110*		*80.0-120*		*03/07/2018 18:06*	WG1081780
(S) 4-Bromofluorobenzene	*98.2*		*80.0-120*		*03/07/2018 18:06*	WG1081780

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	6.98		1.00	1	03/07/2018 18:27	WG1081780
Toluene	15.3		1.00	1	03/07/2018 18:27	WG1081780
Ethylbenzene	1.14		1.00	1	03/07/2018 18:27	WG1081780
Xylenes, Total	4.55		3.00	1	03/07/2018 18:27	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 18:27	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 18:27	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 18:27	WG1081780
(S) Toluene-d8	*101*		*80.0-120*		*03/07/2018 18:27*	WG1081780
(S) Dibromofluoromethane	*98.1*		*76.0-123*		*03/07/2018 18:27*	WG1081780
(S) a,a,a-Trifluorotoluene	*109*		*80.0-120*		*03/07/2018 18:27*	WG1081780
(S) 4-Bromofluorobenzene	*97.3*		*80.0-120*		*03/07/2018 18:27*	WG1081780

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	03/07/2018 18:48	WG1081780
Toluene	ND		1.00	1	03/07/2018 18:48	WG1081780
Ethylbenzene	ND		1.00	1	03/07/2018 18:48	WG1081780
Xylenes, Total	ND		3.00	1	03/07/2018 18:48	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 18:48	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 18:48	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 18:48	WG1081780
(S) Toluene-d8	*105*		*80.0-120*		*03/07/2018 18:48*	WG1081780
(S) Dibromofluoromethane	*99.9*		*76.0-123*		*03/07/2018 18:48*	WG1081780
(S) a,a,a-Trifluorotoluene	*113*		*80.0-120*		*03/07/2018 18:48*	WG1081780
(S) 4-Bromofluorobenzene	*98.3*		*80.0-120*		*03/07/2018 18:48*	WG1081780

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	24.3		1.00	1	03/07/2018 19:08	WG1081780
Toluene	28.9		1.00	1	03/07/2018 19:08	WG1081780
Ethylbenzene	6.11		1.00	1	03/07/2018 19:08	WG1081780
Xylenes, Total	41.2		3.00	1	03/07/2018 19:08	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 19:08	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 19:08	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 19:08	WG1081780
(S) Toluene-d8	*102*		*80.0-120*		*03/07/2018 19:08*	WG1081780
(S) Dibromofluoromethane	*100*		*76.0-123*		*03/07/2018 19:08*	WG1081780
(S) a,a,a-Trifluorotoluene	*111*		*80.0-120*		*03/07/2018 19:08*	WG1081780
(S) 4-Bromofluorobenzene	*97.6*		*80.0-120*		*03/07/2018 19:08*	WG1081780

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	03/07/2018 19:29	WG1081780
Toluene	2.75		1.00	1	03/07/2018 19:29	WG1081780
Ethylbenzene	ND		1.00	1	03/07/2018 19:29	WG1081780
Xylenes, Total	ND		3.00	1	03/07/2018 19:29	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 19:29	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 19:29	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 19:29	WG1081780
(S) Toluene-d8	*104*		*80.0-120*		*03/07/2018 19:29*	WG1081780
(S) Dibromofluoromethane	*101*		*76.0-123*		*03/07/2018 19:29*	WG1081780
(S) a,a,a-Trifluorotoluene	*109*		*80.0-120*		*03/07/2018 19:29*	WG1081780
(S) 4-Bromofluorobenzene	*96.6*		*80.0-120*		*03/07/2018 19:29*	WG1081780

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	173		10.0	10	03/13/2018 15:58	WG1081780
Toluene	16.5		1.00	1	03/07/2018 20:10	WG1081780
Ethylbenzene	1.76		1.00	1	03/07/2018 20:10	WG1081780
Xylenes, Total	29.5		3.00	1	03/07/2018 20:10	WG1081780
Methyl tert-butyl ether	129		1.00	1	03/07/2018 20:10	WG1081780
Naphthalene	7.21		5.00	1	03/07/2018 20:10	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 20:10	WG1081780
(S) Toluene-d8	*103*		*80.0-120*		*03/07/2018 20:10*	WG1081780
(S) Toluene-d8	*111*		*80.0-120*		*03/13/2018 15:58*	WG1081780
(S) Dibromofluoromethane	*102*		*76.0-123*		*03/13/2018 15:58*	WG1081780
(S) Dibromofluoromethane	*97.4*		*76.0-123*		*03/07/2018 20:10*	WG1081780
(S) a,a,a-Trifluorotoluene	*97.3*		*80.0-120*		*03/13/2018 15:58*	WG1081780
(S) a,a,a-Trifluorotoluene	*110*		*80.0-120*		*03/07/2018 20:10*	WG1081780
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*03/13/2018 15:58*	WG1081780
(S) 4-Bromofluorobenzene	*96.5*		*80.0-120*		*03/07/2018 20:10*	WG1081780

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	03/07/2018 20:30	WG1081780
Toluene	4.57		1.00	1	03/07/2018 20:30	WG1081780
Ethylbenzene	1.20		1.00	1	03/07/2018 20:30	WG1081780
Xylenes, Total	9.14		3.00	1	03/07/2018 20:30	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 20:30	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 20:30	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 20:30	WG1081780
(S) Toluene-d8	*105*		*80.0-120*		*03/07/2018 20:30*	WG1081780
(S) Dibromofluoromethane	*98.4*		*76.0-123*		*03/07/2018 20:30*	WG1081780
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*03/07/2018 20:30*	WG1081780
(S) 4-Bromofluorobenzene	*97.4*		*80.0-120*		*03/07/2018 20:30*	WG1081780

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	03/13/2018 14:59	WG1081780
Toluene	ND		1.00	1	03/13/2018 14:59	WG1081780
Ethylbenzene	ND		1.00	1	03/13/2018 14:59	WG1081780
Xylenes, Total	ND		3.00	1	03/13/2018 14:59	WG1081780
Methyl tert-butyl ether	17.5		1.00	1	03/13/2018 14:59	WG1081780
Naphthalene	ND		5.00	1	03/13/2018 14:59	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/13/2018 14:59	WG1081780
(S) Toluene-d8	*106*		*80.0-120*		*03/13/2018 14:59*	WG1081780
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*03/13/2018 14:59*	WG1081780
(S) a,a,a-Trifluorotoluene	*96.9*		*80.0-120*		*03/13/2018 14:59*	WG1081780
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/13/2018 14:59*	WG1081780

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	03/07/2018 21:11	WG1081780
Toluene	1.03		1.00	1	03/07/2018 21:11	WG1081780
Ethylbenzene	ND		1.00	1	03/07/2018 21:11	WG1081780
Xylenes, Total	ND		3.00	1	03/07/2018 21:11	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 21:11	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 21:11	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 21:11	WG1081780
(S) Toluene-d8	*105*		*80.0-120*		*03/07/2018 21:11*	WG1081780
(S) Dibromofluoromethane	*100*		*76.0-123*		*03/07/2018 21:11*	WG1081780
(S) a,a,a-Trifluorotoluene	*112*		*80.0-120*		*03/07/2018 21:11*	WG1081780
(S) 4-Bromofluorobenzene	*97.5*		*80.0-120*		*03/07/2018 21:11*	WG1081780

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	03/07/2018 21:32	WG1081780
Toluene	ND		1.00	1	03/07/2018 21:32	WG1081780
Ethylbenzene	ND		1.00	1	03/07/2018 21:32	WG1081780
Xylenes, Total	ND		3.00	1	03/07/2018 21:32	WG1081780
Methyl tert-butyl ether	ND		1.00	1	03/07/2018 21:32	WG1081780
Naphthalene	ND		5.00	1	03/07/2018 21:32	WG1081780
1,2-Dichloroethane	ND		1.00	1	03/07/2018 21:32	WG1081780
(S) Toluene-d8	*107*		*80.0-120*		*03/07/2018 21:32*	WG1081780
(S) Dibromofluoromethane	*98.6*		*76.0-123*		*03/07/2018 21:32*	WG1081780
(S) a,a,a-Trifluorotoluene	*111*		*80.0-120*		*03/07/2018 21:32*	WG1081780
(S) 4-Bromofluorobenzene	*96.4*		*80.0-120*		*03/07/2018 21:32*	WG1081780

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	03/08/2018 12:27	WG1082068
Benzene	ND		1.00	1	03/08/2018 12:27	WG1082068
Bromodichloromethane	ND		1.00	1	03/08/2018 12:27	WG1082068
Bromoform	ND		1.00	1	03/08/2018 12:27	WG1082068
Bromomethane	ND		5.00	1	03/08/2018 12:27	WG1082068
Carbon disulfide	ND		1.00	1	03/08/2018 12:27	WG1082068
Carbon tetrachloride	ND		1.00	1	03/08/2018 12:27	WG1082068
Chlorobenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
Chlorodibromomethane	ND		1.00	1	03/08/2018 12:27	WG1082068
Chloroethane	ND		5.00	1	03/08/2018 12:27	WG1082068
Chloroform	ND		5.00	1	03/08/2018 12:27	WG1082068
Chloromethane	ND		2.50	1	03/08/2018 12:27	WG1082068
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/08/2018 12:27	WG1082068
1,2-Dibromoethane	ND		1.00	1	03/08/2018 12:27	WG1082068
1,2-Dichlorobenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,3-Dichlorobenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,4-Dichlorobenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,1-Dichloroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
1,2-Dichloroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
1,1-Dichloroethene	ND		1.00	1	03/08/2018 12:27	WG1082068
cis-1,2-Dichloroethene	ND		1.00	1	03/08/2018 12:27	WG1082068
trans-1,2-Dichloroethene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,2-Dichloropropane	ND		1.00	1	03/08/2018 12:27	WG1082068
cis-1,3-Dichloropropene	ND		1.00	1	03/08/2018 12:27	WG1082068
trans-1,3-Dichloropropene	ND		1.00	1	03/08/2018 12:27	WG1082068
Di-isopropyl ether	ND		1.00	1	03/08/2018 12:27	WG1082068
Ethylbenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
2-Butanone (MEK)	ND		10.0	1	03/08/2018 12:27	WG1082068
2-Hexanone	ND		10.0	1	03/08/2018 12:27	WG1082068
Methylene Chloride	ND		5.00	1	03/08/2018 12:27	WG1082068
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/08/2018 12:27	WG1082068
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 12:27	WG1082068
Naphthalene	ND		5.00	1	03/08/2018 12:27	WG1082068
Styrene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
Tetrachloroethene	ND		1.00	1	03/08/2018 12:27	WG1082068
Toluene	ND		1.00	1	03/08/2018 12:27	WG1082068
1,1,1-Trichloroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
1,1,2-Trichloroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
Trichloroethene	ND		1.00	1	03/08/2018 12:27	WG1082068
Vinyl chloride	ND		1.00	1	03/08/2018 12:27	WG1082068
Xylenes, Total	ND		3.00	1	03/08/2018 12:27	WG1082068
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/08/2018 12:27	WG1082068
1,2,3-Trimethylbenzene	ND		1.00	1	03/08/2018 12:27	WG1082068
(S) Toluene-d8	*104*		*80.0-120*		*03/08/2018 12:27*	WG1082068
(S) Dibromofluoromethane	*102*		*76.0-123*		*03/08/2018 12:27*	WG1082068
(S) a,a,a-Trifluorotoluene	*108*		*80.0-120*		*03/08/2018 12:27*	WG1082068
(S) 4-Bromofluorobenzene	*88.3*		*80.0-120*		*03/08/2018 12:27*	WG1082068

L975308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975308-01 03/08/18 14:33 • (DUP) R3291856-1 03/08/18 14:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	136000	140000	1	2.32		20

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

L975768-06 Original Sample (OS) • Duplicate (DUP)

(OS) L975768-06 03/08/18 17:01 • (DUP) R3291856-9 03/08/18 17:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	ND	6550	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) R3291856-7 03/08/18 15:42 • (LCSD) R3291856-8 03/08/18 16:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	98500	98600	98.5	98.6	85.0-115			0.112	20

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

L975308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975308-01 03/08/18 14:33 • (DUP) R3291856-2 03/08/18 14:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	0.000		20

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

L975768-06 Original Sample (OS) • Duplicate (DUP)

(OS) L975768-06 03/08/18 17:01 • (DUP) R3291856-10 03/08/18 17:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	38100	40100	1	5.11		20

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

Method Blank (MB)

(MB) R3291531-1 03/07/18 17:11

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

L975288-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975288-01 03/07/18 19:14 • (DUP) R3291531-4 03/07/18 19:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	3480	3630	1	4.26		15
Sulfate	22800	22800	1	0.118		15

L975439-03 Original Sample (OS) • Duplicate (DUP)

(OS) L975439-03 03/08/18 01:24 • (DUP) R3291531-7 03/08/18 01:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	254	274	1	7.38		15
Sulfate	4240	4280	1	0.971	J	15

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

(LCS) R3291531-2 03/07/18 17:26 • (LCSD) R3291531-3 03/07/18 17:42

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 %
Nitrate	8000	8330	8280	104	104	80.0-120			0.562	15
Sulfate	40000	40000	39800	100	99.5	80.0-120			0.534	15

L975288-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975288-01 03/07/18 19:14 • (MS) R3291531-5 03/07/18 19:45 • (MSD) R3291531-6 03/07/18 20:31

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	3480	8420	8570	99.0	102	1	80.0-120			1.68	15
Sulfate	50000	22800	71900	71700	98.2	97.8	1	80.0-120			0.267	15

L975439-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L975439-03 03/08/18 01:24 • (MS) R3291531-8 03/08/18 01:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	254	5130	97.4	1	80.0-120	
Sulfate	50000	4240	54000	99.5	1	80.0-120	

Method Blank (MB)

(MB) R3291615-1 03/08/18 09:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L974556-07 Original Sample (OS) • Duplicate (DUP)

(OS) L974556-07 03/08/18 11:16 • (DUP) R3291615-2 03/08/18 11:37

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

L974857-01 Original Sample (OS) • Duplicate (DUP)

(OS) L974857-01 03/08/18 11:59 • (DUP) R3291615-3 03/08/18 13:38

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

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

(LCS) R3291615-4 03/08/18 13:42 • (LCSD) R3291615-5 03/08/18 13:48

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	69.6	65.1	103	96.1	85.0-115			6.58	20

Method Blank (MB)

(MB) R3292676-3 03/07/18 16:49

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	*105*			*80.0-120*
(S) Dibromofluoromethane	*96.6*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.4*			*80.0-120*

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

(LCS) R3292676-1 03/07/18 15:48 • (LCSD) R3292676-2 03/07/18 16:08

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	25.0	23.4	100	93.5	70.0-130			6.75	20
1,2-Dichloroethane	25.0	25.3	22.8	101	91.3	70.0-130			10.5	20
Ethylbenzene	25.0	25.6	24.1	103	96.4	70.0-130			6.11	20
Methyl tert-butyl ether	25.0	24.3	22.1	97.4	88.5	70.0-130			9.60	20
Naphthalene	25.0	25.9	24.9	104	99.8	70.0-130			3.93	20
Toluene	25.0	24.1	22.3	96.6	89.2	70.0-130			7.93	20
Xylenes, Total	75.0	78.3	72.8	104	97.1	70.0-130			7.28	20
(S) Toluene-d8				*102*	*99.9*	*80.0-120*				
(S) Dibromofluoromethane				*95.5*	*93.6*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*109*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.5*	*97.2*	*80.0-120*				

L975470-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975470-02 03/07/18 23:15 • (MS) R3292676-4 03/08/18 00:17 • (MSD) R3292676-5 03/08/18 00:38

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 %
Benzene	25.0	ND	25.7	24.5	103	98.2	1	54.3-133			4.43	20
1,2-Dichloroethane	25.0	ND	25.6	25.1	103	100	1	60.0-126			2.10	20
Ethylbenzene	25.0	ND	26.7	25.0	107	100	1	61.4-133			6.56	20
Methyl tert-butyl ether	25.0	ND	25.4	24.8	102	99.2	1	57.7-134			2.30	20
Naphthalene	25.0	ND	27.1	25.2	102	94.4	1	58.0-135			7.38	25.5

L975470-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975470-02 03/07/18 23:15 • (MS) R3292676-4 03/08/18 00:17 • (MSD) R3292676-5 03/08/18 00:38

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 %
Toluene	25.0	ND	25.1	23.3	100	93.2	1	61.4-130			7.28	20
Xylenes, Total	75.0	ND	79.6	75.7	106	101	1	63.3-131			5.02	20
(S) Toluene-d8					*102*	*99.5*		*80.0-120*				
(S) Dibromofluoromethane					*97.5*	*97.7*		*76.0-123*				
(S) a,a,a-Trifluorotoluene					*110*	*108*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.1*	*94.9*		*80.0-120*				

Method Blank (MB)

(MB) R3291779-2 03/08/18 11:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	2.20	J	1.00	5.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00

Method Blank (MB)

(MB) R3291779-2 03/08/18 11:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Trichloroethene	U		0.398	1.00
1,2,3-Trimethylbenzene	U		0.321	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*98.5*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.1*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3291779-1 03/08/18 10:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	134	107	70.0-130	
Benzene	25.0	27.0	108	70.0-130	
Bromodichloromethane	25.0	27.1	108	70.0-130	
Bromoform	25.0	18.7	74.6	70.0-130	
Bromomethane	25.0	32.0	128	70.0-130	
Carbon disulfide	25.0	28.3	113	70.0-130	
Carbon tetrachloride	25.0	27.9	111	70.0-130	
Chlorobenzene	25.0	25.4	102	70.0-130	
Chlorodibromomethane	25.0	26.0	104	70.0-130	
Chloroethane	25.0	32.1	128	70.0-130	
Chloroform	25.0	27.2	109	70.0-130	
Chloromethane	25.0	25.7	103	70.0-130	
1,2-Dibromo-3-Chloropropane	25.0	23.6	94.6	70.0-130	
1,2-Dibromoethane	25.0	25.0	100	70.0-130	
1,2-Dichlorobenzene	25.0	25.9	104	70.0-130	
1,3-Dichlorobenzene	25.0	27.1	108	70.0-130	
1,4-Dichlorobenzene	25.0	26.1	104	70.0-130	
1,1-Dichloroethane	25.0	27.1	109	70.0-130	
1,2-Dichloroethane	25.0	26.7	107	70.0-130	
1,1-Dichloroethene	25.0	28.2	113	70.0-130	
cis-1,2-Dichloroethene	25.0	26.8	107	70.0-130	
trans-1,2-Dichloroethene	25.0	26.4	105	70.0-130	
1,2-Dichloropropane	25.0	27.7	111	70.0-130	
cis-1,3-Dichloropropene	25.0	26.8	107	70.0-130	
trans-1,3-Dichloropropene	25.0	26.5	106	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3291779-1 03/08/18 10:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	25.0	27.5	110	70.0-130	
Ethylbenzene	25.0	25.8	103	70.0-130	
2-Hexanone	125	139	112	70.0-130	
2-Butanone (MEK)	125	132	105	70.0-130	
Methylene Chloride	25.0	26.0	104	70.0-130	
4-Methyl-2-pentanone (MIBK)	125	140	112	70.0-130	
Methyl tert-butyl ether	25.0	27.5	110	70.0-130	
Naphthalene	25.0	24.6	98.5	70.0-130	
Styrene	25.0	25.9	103	70.0-130	
1,1,2,2-Tetrachloroethane	25.0	24.3	97.1	70.0-130	
Tetrachloroethene	25.0	26.1	104	70.0-130	
Toluene	25.0	25.8	103	70.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	29.3	117	70.0-130	
1,1,1-Trichloroethane	25.0	28.7	115	70.0-130	
1,1,2-Trichloroethane	25.0	25.6	102	70.0-130	
Trichloroethene	25.0	26.8	107	70.0-130	
1,2,3-Trimethylbenzene	25.0	27.7	111	70.0-130	
Vinyl chloride	25.0	28.3	113	70.0-130	
Xylenes, Total	75.0	79.4	106	70.0-130	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*104*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*90.2*	*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.
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.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

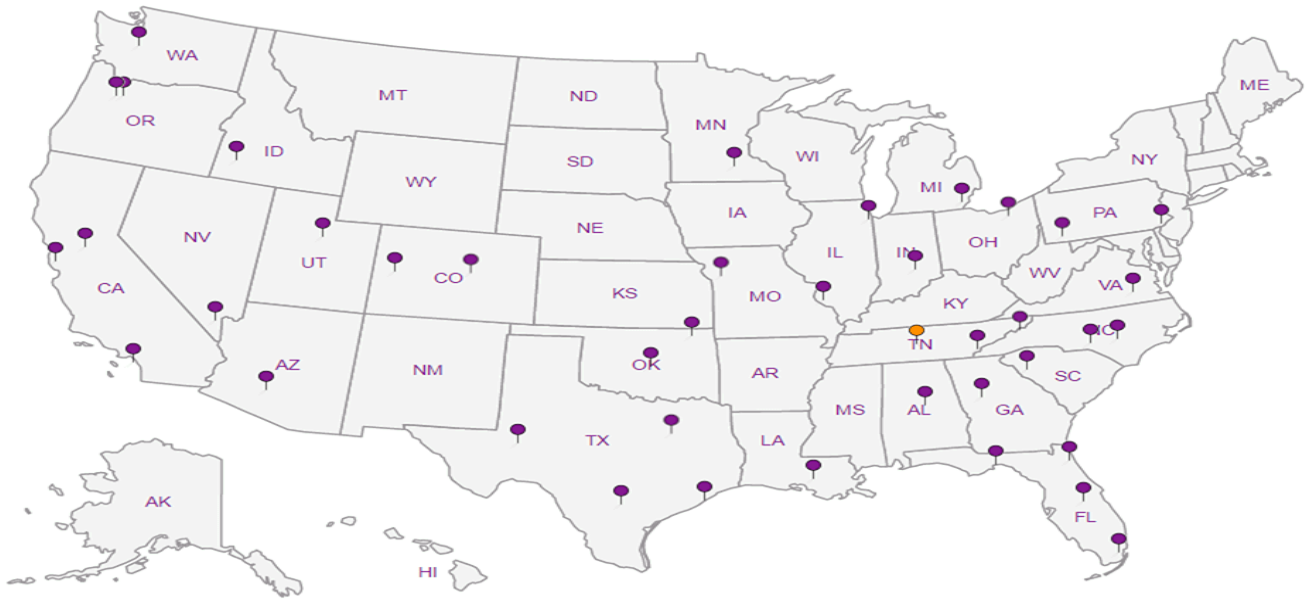
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

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 # 609858.1D.MR.GW LEWIS DRIVE

Lab Project # KINCH2MGA-LEWIS

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWISDRIVE BELTON, SC

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N X Y ___

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# 975433

Table # G089

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P640860
TSR: 526 - Chris McCord
PB: 2-27-18

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPHTHALENE	1,2-DCA	NITRATE	ALKALINITY	SULFATE	FERROUS IRON	METHANE	Remarks	Sample # (lab only)
MW-22-030618	GRAB	GW	N/A	03/06/18	0925	3	X		X	X	X	X	X	X	X	X		-02
MW-13-030618		GW	N/A		1015	3	X		X	X	X							-03
FB01-030618		GW	N/A		1300	3	X		X	X	X							-04
MW-45-030618		GW	N/A		1315	3	X		X	X	X							-05
MW-45B-030618		GW			1330	3	X		X	X	X							-06
MW-20-030618		GW			1345	3	X		X	X	X	X	X	X	X	X		-07
MW-46-030618		GW			1410	3	X		X	X	X							-08
MW-23B-030618		GW			1420	3	X		X	X	X							-09
MW-23-030618		GW			1425	3	X		X	X	X							-10
MW-26B-030618		GW			1440	3	X		X	X	X							-11

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

Remarks: CO_2 - LAB CALCULATION FOR ~~ALL~~ SAMPLES MW-22-030618 AND MW-20-030618

pH _____ Temp _____
Flow _____ Other _____

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

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

Tracking # 4269 9209 8613

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
	03/06/18	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.3 °C Bottles Received: 41HB
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.7.18 Time: 845

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 Surface Water

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 699858.LD.MR.GW

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)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody Page 2 of 2

ESC LABORATORIES
a subsidiary of Accutest

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

L# 975433

Table #

Acctnum: KINCH2MGA
Template: T130279
Prelogin: P640860
TSR: 526 - Chris McCord
PB: 2-27-18

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEXNSC 40mlAmb-HCl	V8260BTEXNSC-TB 40mlAmb-HCl-Blk	BTEX	NAPTHALENE	1,2 - DCA	Remarks	Sample # (lab only)
MW-26-030618	GRAB	GW	NA	03/06/18	1445	3	X		X	X	X		-12
		GW				3	X						
		GW				3	X						
		GW				3	X						
		GW				3	X						
TB01-030618	GRAB	GW	NA	03/06/18	1305	1		X					-13

* 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 # 4269 9209 8613

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X 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
	03/06/18	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.3 °C Bottles Received: 4 1 TB
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.7.18 Time: 815
				Hold: Condition: NCF / OK

Andy Vann

From: Chris McCord
Sent: Thursday, March 08, 2018 9:00 AM
To: Login; Due WetLab; Due VOC
Subject: L975433 *KINCH2MGA*

Importance: High

Please remove ALK, SULFATE, RSK175, and V8260BTEXNSC from L975433-07 per client email below.

SULFATE = WET:WIP:WG1081704
V8260BTEXNSC = VOL:WIP:WG1081780

Thanks,

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

From: Garvey, Bethany/ATL [mailto:Bethany.Garvey@CH2M.com]
Sent: Wednesday, March 07, 2018 10:45 PM
To: Chris McCord
Cc: Wiley, Tom/ATL
Subject: FW: L975433 KINCH2MGA NCF MIL

Hi Chris,

Please cancel the ferrous iron analysis listed on the COC. We are not needing the lab to perform that analysis. And yes, we are still needing the Trip Blank to be analyzed for TCL VOCs. ☺

Also can you please analyze MW-20 for nitrate only (so it's within hold) and place all other MW-20 parameters 'ON-HOLD'.

Thanks,
Bethany

Matthew Lockhart

ESC Lab Sciences
Non-Conformance Form

Login #:975433	Client:KINCH2MGA	Date:03/07/18	Evaluated by: Matthew Lockhart

Non-Conformance (check applicable items)

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

Login Comments:Did not receive contianers to run for Ferous Iron.

Client informed by:		Call	x	Email		Voice Mail		Date:3/7/18	Time: 22:45
TSR Initials: CM	Client Contact: Bethany Garvey								

Login Instructions:

Ferrous Iron not needed.

ANALYTICAL REPORT

March 15, 2018

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L975693
Samples Received:	03/08/2018
Project Number:	699858. LD. MR.GW
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

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

MW-13B-030718 L975693-01 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 09:35
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 20:04	03/08/18 20:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	10	03/13/18 16:47	03/13/18 16:47	BMB

MW-14-030718 L975693-02 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 09:40
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 20:24	03/08/18 20:24	BMB

MW-14B-030718 L975693-03 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 09:45
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 20:43	03/08/18 20:43	BMB

TB01-030718 L975693-04 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 09:50
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082412	1	03/13/18 19:23	03/13/18 19:23	DWR

MW-48B-030718 L975693-05 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 10:00
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 21:02	03/08/18 21:02	BMB

MW-50B-030718 L975693-06 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 10:10
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 21:21	03/08/18 21:21	BMB

MW-47-030718 L975693-07 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 10:20
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 21:41	03/08/18 21:41	BMB

MW-31-030718 L975693-08 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 10:25
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 22:00	03/08/18 22:00	BMB

MW-33T-030718 L975693-09 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 10:35 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 22:19	03/08/18 22:19	BMB

MW-10-030718 L975693-10 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 11:00 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 15:58	03/08/18 15:58	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 15:58	03/08/18 15:58	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 19:23	03/08/18 19:23	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:13	03/09/18 11:13	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 22:38	03/08/18 22:38	BMB

MW-02-030718 L975693-11 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 12:30 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:03	03/08/18 16:03	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:03	03/08/18 16:03	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 20:09	03/08/18 20:09	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:16	03/09/18 11:16	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 22:57	03/08/18 22:57	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	10	03/13/18 17:07	03/13/18 17:07	BMB

MW-02B-030718 L975693-12 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 12:35 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 23:16	03/08/18 23:16	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/13/18 17:26	03/13/18 17:26	BMB

MW-32-030718 L975693-13 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 12:50 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:14	03/08/18 16:14	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:14	03/08/18 16:14	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 20:40	03/08/18 20:40	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:19	03/09/18 11:19	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/08/18 23:36	03/08/18 23:36	BMB

MW-30-030718 L975693-15 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 13:05 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 00:15	03/09/18 00:15	BMB

MW-04-030718 L975693-16 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 13:40 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:21	03/08/18 16:21	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:21	03/08/18 16:21	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 20:55	03/08/18 20:55	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:22	03/09/18 11:22	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 00:34	03/09/18 00:34	BMB

MW-05-030718 L975693-17 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 13:50 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 00:53	03/09/18 00:53	BMB

MW-06-030718 L975693-18 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 14:00 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 01:13	03/09/18 01:13	BMB

MW-06B-030718 L975693-19 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 14:05 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 01:32	03/09/18 01:32	BMB

MW-16-030718 L975693-20 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 14:30 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:26	03/08/18 16:26	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:26	03/08/18 16:26	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 21:11	03/08/18 21:11	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:24	03/09/18 11:24	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	10	03/09/18 01:51	03/09/18 01:51	BMB

MW-08-030718 L975693-21 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 14:50 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:31	03/08/18 16:31	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:31	03/08/18 16:31	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 21:26	03/08/18 21:26	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:50	03/09/18 11:50	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082335	1	03/09/18 02:10	03/09/18 02:10	BMB

MW-09-030718 L975693-22 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:00 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:36	03/08/18 16:36	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:36	03/08/18 16:36	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 21:41	03/08/18 21:41	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:35	03/09/18 11:35	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 00:33	03/09/18 00:33	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/14/18 16:38	03/14/18 16:38	AB

MW-09D-030718 L975693-23 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:05 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 00:54	03/09/18 00:54	DWR

MW-09B-030718 L975693-24 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:15 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 01:15	03/09/18 01:15	DWR

MW-36-030718 L975693-25 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:20 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	10	03/09/18 01:36	03/09/18 01:36	DWR

MW-36B-030718 L975693-26 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:25 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 01:57	03/09/18 01:57	DWR

MW-21-030718 L975693-27 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 15:55 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 02:18	03/09/18 02:18	DWR

MW-17B-030718 L975693-28 GW

Collected by: Melissa Warren | Collected date/time: 03/07/18 16:00 | Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	200	03/15/18 04:48	03/15/18 04:48	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	50	03/09/18 02:39	03/09/18 02:39	DWR

FB01-030718 L975693-29 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 16:05
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 03:00	03/09/18 03:00	DWR

MW-17BD-030718 L975693-30 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 16:02
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	200	03/15/18 05:07	03/15/18 05:07	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	50	03/09/18 03:21	03/09/18 03:21	DWR

MW-29-030718 L975693-31 GW

Collected by: Melissa Warren
Collected date/time: 03/07/18 08:55
Received date/time: 03/08/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1082115	1	03/08/18 16:43	03/08/18 16:43	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1082115	1	03/08/18 16:43	03/08/18 16:43	MCG
Wet Chemistry by Method 9056A	WG1082093	1	03/08/18 21:57	03/08/18 21:57	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1082294	1	03/09/18 11:37	03/09/18 11:37	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082433	1	03/09/18 03:42	03/09/18 03:42	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. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	252		10.0	10	03/13/2018 16:47	WG1082335
Toluene	12.1		1.00	1	03/08/2018 20:04	WG1082335
Ethylbenzene	3.13		1.00	1	03/08/2018 20:04	WG1082335
Total Xylenes	60.2		3.00	1	03/08/2018 20:04	WG1082335
Methyl tert-butyl ether	175		1.00	1	03/08/2018 20:04	WG1082335
Naphthalene	6.44		5.00	1	03/08/2018 20:04	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 20:04	WG1082335
(S) Toluene-d8	*106*		*80.0-120*		*03/13/2018 16:47*	WG1082335
(S) Toluene-d8	*103*		*80.0-120*		*03/08/2018 20:04*	WG1082335
(S) Dibromofluoromethane	*89.4*		*76.0-123*		*03/13/2018 16:47*	WG1082335
(S) Dibromofluoromethane	*108*		*76.0-123*		*03/08/2018 20:04*	WG1082335
(S) 4-Bromofluorobenzene	*92.9*		*80.0-120*		*03/13/2018 16:47*	WG1082335
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*03/08/2018 20:04*	WG1082335

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	03/08/2018 20:24	WG1082335
Toluene	ND		1.00	1	03/08/2018 20:24	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 20:24	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 20:24	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 20:24	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 20:24	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 20:24	WG1082335
(S) Toluene-d8	*101*		*80.0-120*		*03/08/2018 20:24*	WG1082335
(S) Dibromofluoromethane	*111*		*76.0-123*		*03/08/2018 20:24*	WG1082335
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*03/08/2018 20:24*	WG1082335

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.57		1.00	1	03/08/2018 20:43	WG1082335
Toluene	ND		1.00	1	03/08/2018 20:43	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 20:43	WG1082335
Total Xylenes	5.60		3.00	1	03/08/2018 20:43	WG1082335
Methyl tert-butyl ether	9.28		1.00	1	03/08/2018 20:43	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 20:43	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 20:43	WG1082335
(S) Toluene-d8	*102*		*80.0-120*		*03/08/2018 20:43*	WG1082335
(S) Dibromofluoromethane	*107*		*76.0-123*		*03/08/2018 20:43*	WG1082335
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*03/08/2018 20:43*	WG1082335

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	03/13/2018 19:23	WG1082412
Benzene	ND		1.00	1	03/13/2018 19:23	WG1082412
Bromodichloromethane	ND		1.00	1	03/13/2018 19:23	WG1082412
Bromoform	ND		1.00	1	03/13/2018 19:23	WG1082412
Bromomethane	ND		5.00	1	03/13/2018 19:23	WG1082412
Carbon disulfide	ND		1.00	1	03/13/2018 19:23	WG1082412
Carbon tetrachloride	ND		1.00	1	03/13/2018 19:23	WG1082412
Chlorobenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
Chlorodibromomethane	ND		1.00	1	03/13/2018 19:23	WG1082412
Chloroethane	ND		5.00	1	03/13/2018 19:23	WG1082412
Chloroform	ND		5.00	1	03/13/2018 19:23	WG1082412
Chloromethane	ND		2.50	1	03/13/2018 19:23	WG1082412
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/13/2018 19:23	WG1082412
1,2-Dibromoethane	ND		1.00	1	03/13/2018 19:23	WG1082412
1,2-Dichlorobenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,3-Dichlorobenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,4-Dichlorobenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,1-Dichloroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
1,2-Dichloroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
1,1-Dichloroethene	ND		1.00	1	03/13/2018 19:23	WG1082412
cis-1,2-Dichloroethene	ND		1.00	1	03/13/2018 19:23	WG1082412
trans-1,2-Dichloroethene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,2-Dichloropropane	ND		1.00	1	03/13/2018 19:23	WG1082412
cis-1,3-Dichloropropene	ND		1.00	1	03/13/2018 19:23	WG1082412
trans-1,3-Dichloropropene	ND		1.00	1	03/13/2018 19:23	WG1082412
Di-isopropyl ether	ND		1.00	1	03/13/2018 19:23	WG1082412
Ethylbenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
2-Butanone (MEK)	ND		10.0	1	03/13/2018 19:23	WG1082412
2-Hexanone	ND		10.0	1	03/13/2018 19:23	WG1082412
Methylene Chloride	ND		5.00	1	03/13/2018 19:23	WG1082412
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/13/2018 19:23	WG1082412
Methyl tert-butyl ether	ND		1.00	1	03/13/2018 19:23	WG1082412
Naphthalene	ND		5.00	1	03/13/2018 19:23	WG1082412
Styrene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
Tetrachloroethene	ND		1.00	1	03/13/2018 19:23	WG1082412
Toluene	ND		1.00	1	03/13/2018 19:23	WG1082412
1,1,1-Trichloroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
1,1,2-Trichloroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
Trichloroethene	ND		1.00	1	03/13/2018 19:23	WG1082412
Vinyl chloride	ND		1.00	1	03/13/2018 19:23	WG1082412
Xylenes, Total	ND		3.00	1	03/13/2018 19:23	WG1082412
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/13/2018 19:23	WG1082412
1,2,3-Trimethylbenzene	ND		1.00	1	03/13/2018 19:23	WG1082412
(S) Toluene-d8	*102*		*80.0-120*		*03/13/2018 19:23*	WG1082412
(S) Dibromofluoromethane	*102*		*76.0-123*		*03/13/2018 19:23*	WG1082412
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*03/13/2018 19:23*	WG1082412
(S) 4-Bromofluorobenzene	*98.1*		*80.0-120*		*03/13/2018 19:23*	WG1082412

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	03/08/2018 21:02	WG1082335
Toluene	ND		1.00	1	03/08/2018 21:02	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 21:02	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 21:02	WG1082335
Methyl tert-butyl ether	2.97		1.00	1	03/08/2018 21:02	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 21:02	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 21:02	WG1082335
(S) Toluene-d8	*100*		*80.0-120*		*03/08/2018 21:02*	WG1082335
(S) Dibromofluoromethane	*110*		*76.0-123*		*03/08/2018 21:02*	WG1082335
(S) 4-Bromofluorobenzene	*112*		*80.0-120*		*03/08/2018 21:02*	WG1082335

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	03/08/2018 21:21	WG1082335
Toluene	ND		1.00	1	03/08/2018 21:21	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 21:21	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 21:21	WG1082335
Methyl tert-butyl ether	26.7		1.00	1	03/08/2018 21:21	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 21:21	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 21:21	WG1082335
(S) Toluene-d8	*107*		*80.0-120*		*03/08/2018 21:21*	WG1082335
(S) Dibromofluoromethane	*109*		*76.0-123*		*03/08/2018 21:21*	WG1082335
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*03/08/2018 21:21*	WG1082335

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	03/08/2018 21:41	WG1082335
Toluene	ND		1.00	1	03/08/2018 21:41	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 21:41	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 21:41	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 21:41	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 21:41	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 21:41	WG1082335
(S) Toluene-d8	*106*		*80.0-120*		*03/08/2018 21:41*	WG1082335
(S) Dibromofluoromethane	*110*		*76.0-123*		*03/08/2018 21:41*	WG1082335
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*03/08/2018 21:41*	WG1082335

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	03/08/2018 22:00	WG1082335
Toluene	ND		1.00	1	03/08/2018 22:00	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 22:00	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 22:00	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 22:00	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 22:00	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 22:00	WG1082335
(S) Toluene-d8	*117*		*80.0-120*		*03/08/2018 22:00*	WG1082335
(S) Dibromofluoromethane	*111*		*76.0-123*		*03/08/2018 22:00*	WG1082335
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*03/08/2018 22:00*	WG1082335

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	03/08/2018 22:19	WG1082335
Toluene	ND		1.00	1	03/08/2018 22:19	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 22:19	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 22:19	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 22:19	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 22:19	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 22:19	WG1082335
(S) Toluene-d8	*118*		*80.0-120*		*03/08/2018 22:19*	WG1082335
(S) Dibromofluoromethane	*108*		*76.0-123*		*03/08/2018 22:19*	WG1082335
(S) 4-Bromofluorobenzene	*90.1*		*80.0-120*		*03/08/2018 22:19*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 15:58	WG1082115

Sample Narrative:
L975693-10 WG1082115: 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	40400	T8	20000	1	03/08/2018 15:58	WG1082115

Sample Narrative:
L975693-10 WG1082115: 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	03/08/2018 19:23	WG1082093
Sulfate	ND		5000	1	03/08/2018 19:23	WG1082093

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	03/09/2018 11:13	WG1082294

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	03/08/2018 22:38	WG1082335
Toluene	ND		1.00	1	03/08/2018 22:38	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 22:38	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 22:38	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 22:38	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 22:38	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 22:38	WG1082335
(S) Toluene-d8	*87.7*		*80.0-120*		*03/08/2018 22:38*	WG1082335
(S) Dibromofluoromethane	*109*		*76.0-123*		*03/08/2018 22:38*	WG1082335
(S) 4-Bromofluorobenzene	*111*		*80.0-120*		*03/08/2018 22:38*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	128000		20000	1	03/08/2018 16:03	WG1082115

Sample Narrative:
L975693-11 WG1082115: 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	03/08/2018 16:03	WG1082115

Sample Narrative:
L975693-11 WG1082115: 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)	313		100	1	03/08/2018 20:09	WG1082093
Sulfate	ND		5000	1	03/08/2018 20:09	WG1082093

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	22.8		10.0	1	03/09/2018 11:16	WG1082294

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	131		1.00	1	03/08/2018 22:57	WG1082335
Toluene	594		10.0	10	03/13/2018 17:07	WG1082335
Ethylbenzene	34.1		1.00	1	03/08/2018 22:57	WG1082335
Total Xylenes	442		3.00	1	03/08/2018 22:57	WG1082335
Methyl tert-butyl ether	27.6		1.00	1	03/08/2018 22:57	WG1082335
Naphthalene	34.5		5.00	1	03/08/2018 22:57	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 22:57	WG1082335
(S) Toluene-d8	*102*		*80.0-120*		*03/08/2018 22:57*	WG1082335
(S) Toluene-d8	*107*		*80.0-120*		*03/13/2018 17:07*	WG1082335
(S) Dibromofluoromethane	*90.7*		*76.0-123*		*03/13/2018 17:07*	WG1082335
(S) Dibromofluoromethane	*110*		*76.0-123*		*03/08/2018 22:57*	WG1082335
(S) 4-Bromofluorobenzene	*89.2*		*80.0-120*		*03/13/2018 17:07*	WG1082335
(S) 4-Bromofluorobenzene	*130*	J1	*80.0-120*		*03/08/2018 22:57*	WG1082335

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	03/08/2018 23:16	WG1082335
Toluene	ND		1.00	1	03/13/2018 17:26	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 23:16	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 23:16	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 23:16	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 23:16	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 23:16	WG1082335
(S) Toluene-d8	*99.2*		*80.0-120*		*03/08/2018 23:16*	WG1082335
(S) Toluene-d8	*108*		*80.0-120*		*03/13/2018 17:26*	WG1082335
(S) Dibromofluoromethane	*86.8*		*76.0-123*		*03/13/2018 17:26*	WG1082335
(S) Dibromofluoromethane	*109*		*76.0-123*		*03/08/2018 23:16*	WG1082335
(S) 4-Bromofluorobenzene	*90.7*		*80.0-120*		*03/13/2018 17:26*	WG1082335
(S) 4-Bromofluorobenzene	*122*	J1	*80.0-120*		*03/08/2018 23:16*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	03/08/2018 16:14	WG1082115

Sample Narrative:
L975693-13 WG1082115: 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	ND	T8	20000	1	03/08/2018 16:14	WG1082115

Sample Narrative:
L975693-13 WG1082115: 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)	947		100	1	03/08/2018 20:40	WG1082093
Sulfate	ND		5000	1	03/08/2018 20:40	WG1082093

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	ND		10.0	1	03/09/2018 11:19	WG1082294

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	03/08/2018 23:36	WG1082335
Toluene	ND		1.00	1	03/08/2018 23:36	WG1082335
Ethylbenzene	ND		1.00	1	03/08/2018 23:36	WG1082335
Total Xylenes	ND		3.00	1	03/08/2018 23:36	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/08/2018 23:36	WG1082335
Naphthalene	ND		5.00	1	03/08/2018 23:36	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/08/2018 23:36	WG1082335
(S) Toluene-d8	*102*		*80.0-120*		*03/08/2018 23:36*	WG1082335
(S) Dibromofluoromethane	*106*		*76.0-123*		*03/08/2018 23:36*	WG1082335
(S) 4-Bromofluorobenzene	*110*		*80.0-120*		*03/08/2018 23:36*	WG1082335

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	22.1		1.00	1	03/09/2018 00:15	WG1082335
Toluene	8.94		1.00	1	03/09/2018 00:15	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 00:15	WG1082335
Total Xylenes	19.1		3.00	1	03/09/2018 00:15	WG1082335
Methyl tert-butyl ether	2.25		1.00	1	03/09/2018 00:15	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 00:15	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 00:15	WG1082335
(S) Toluene-d8	*101*		*80.0-120*		*03/09/2018 00:15*	WG1082335
(S) Dibromofluoromethane	*109*		*76.0-123*		*03/09/2018 00:15*	WG1082335
(S) 4-Bromofluorobenzene	*114*		*80.0-120*		*03/09/2018 00:15*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 16:21	WG1082115

Sample Narrative:
L975693-16 WG1082115: 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	33800	T8	20000	1	03/08/2018 16:21	WG1082115

Sample Narrative:
L975693-16 WG1082115: 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	03/08/2018 20:55	WG1082093
Sulfate	ND		5000	1	03/08/2018 20:55	WG1082093

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	03/09/2018 11:22	WG1082294

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	03/09/2018 00:34	WG1082335
Toluene	ND		1.00	1	03/09/2018 00:34	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 00:34	WG1082335
Total Xylenes	ND		3.00	1	03/09/2018 00:34	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 00:34	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 00:34	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 00:34	WG1082335
(S) Toluene-d8	*99.3*		*80.0-120*		*03/09/2018 00:34*	WG1082335
(S) Dibromofluoromethane	*108*		*76.0-123*		*03/09/2018 00:34*	WG1082335
(S) 4-Bromofluorobenzene	*111*		*80.0-120*		*03/09/2018 00:34*	WG1082335

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	03/09/2018 00:53	WG1082335
Toluene	ND		1.00	1	03/09/2018 00:53	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 00:53	WG1082335
Total Xylenes	ND		3.00	1	03/09/2018 00:53	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 00:53	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 00:53	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 00:53	WG1082335
(S) Toluene-d8	*100*		*80.0-120*		*03/09/2018 00:53*	WG1082335
(S) Dibromofluoromethane	*107*		*76.0-123*		*03/09/2018 00:53*	WG1082335
(S) 4-Bromofluorobenzene	*112*		*80.0-120*		*03/09/2018 00:53*	WG1082335

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	03/09/2018 01:13	WG1082335
Toluene	ND		1.00	1	03/09/2018 01:13	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 01:13	WG1082335
Total Xylenes	ND		3.00	1	03/09/2018 01:13	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 01:13	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 01:13	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 01:13	WG1082335
(S) Toluene-d8	*101*		*80.0-120*		*03/09/2018 01:13*	WG1082335
(S) Dibromofluoromethane	*106*		*76.0-123*		*03/09/2018 01:13*	WG1082335
(S) 4-Bromofluorobenzene	*111*		*80.0-120*		*03/09/2018 01:13*	WG1082335

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	03/09/2018 01:32	WG1082335
Toluene	3.63		1.00	1	03/09/2018 01:32	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 01:32	WG1082335
Total Xylenes	ND		3.00	1	03/09/2018 01:32	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 01:32	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 01:32	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 01:32	WG1082335
(S) Toluene-d8	*105*		*80.0-120*		*03/09/2018 01:32*	WG1082335
(S) Dibromofluoromethane	*104*		*76.0-123*		*03/09/2018 01:32*	WG1082335
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*03/09/2018 01:32*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 16:26	WG1082115

Sample Narrative:
L975693-20 WG1082115: 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	03/08/2018 16:26	WG1082115

Sample Narrative:
L975693-20 WG1082115: 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	03/08/2018 21:11	WG1082093
Sulfate	ND		5000	1	03/08/2018 21:11	WG1082093

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	03/09/2018 11:24	WG1082294

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	130		10.0	10	03/09/2018 01:51	WG1082335
Toluene	1370		10.0	10	03/09/2018 01:51	WG1082335
Ethylbenzene	295		10.0	10	03/09/2018 01:51	WG1082335
Total Xylenes	2470		30.0	10	03/09/2018 01:51	WG1082335
Methyl tert-butyl ether	132		10.0	10	03/09/2018 01:51	WG1082335
Naphthalene	618		50.0	10	03/09/2018 01:51	WG1082335
1,2-Dichloroethane	ND		10.0	10	03/09/2018 01:51	WG1082335
(S) Toluene-d8	*112*		*80.0-120*		*03/09/2018 01:51*	WG1082335
(S) Dibromofluoromethane	*109*		*76.0-123*		*03/09/2018 01:51*	WG1082335
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*03/09/2018 01:51*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	03/08/2018 16:31	WG1082115

Sample Narrative:
L975693-21 WG1082115: 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	ND	T8	20000	1	03/08/2018 16:31	WG1082115

Sample Narrative:
L975693-21 WG1082115: 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	03/08/2018 21:26	WG1082093
Sulfate	ND		5000	1	03/08/2018 21:26	WG1082093

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	ND		10.0	1	03/09/2018 11:50	WG1082294

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	03/09/2018 02:10	WG1082335
Toluene	ND		1.00	1	03/09/2018 02:10	WG1082335
Ethylbenzene	ND		1.00	1	03/09/2018 02:10	WG1082335
Total Xylenes	ND		3.00	1	03/09/2018 02:10	WG1082335
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 02:10	WG1082335
Naphthalene	ND		5.00	1	03/09/2018 02:10	WG1082335
1,2-Dichloroethane	ND		1.00	1	03/09/2018 02:10	WG1082335
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 02:10*	WG1082335
(S) Dibromofluoromethane	*107*		*76.0-123*		*03/09/2018 02:10*	WG1082335
(S) 4-Bromofluorobenzene	*111*		*80.0-120*		*03/09/2018 02:10*	WG1082335

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 16:36	WG1082115

Sample Narrative:
L975693-22 WG1082115: 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	03/08/2018 16:36	WG1082115

Sample Narrative:
L975693-22 WG1082115: 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	03/08/2018 21:41	WG1082093
Sulfate	ND		5000	1	03/08/2018 21:41	WG1082093

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	03/09/2018 11:35	WG1082294

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.30		1.00	1	03/09/2018 00:33	WG1082433
Toluene	11.0		1.00	1	03/09/2018 00:33	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 00:33	WG1082433
Total Xylenes	3.92		3.00	1	03/14/2018 16:38	WG1082433
Methyl tert-butyl ether	8.74		1.00	1	03/09/2018 00:33	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 00:33	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 00:33	WG1082433
(S) Toluene-d8	*101*		*80.0-120*		*03/14/2018 16:38*	WG1082433
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 00:33*	WG1082433
(S) Dibromofluoromethane	*101*		*76.0-123*		*03/14/2018 16:38*	WG1082433
(S) Dibromofluoromethane	*97.9*		*76.0-123*		*03/09/2018 00:33*	WG1082433
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/14/2018 16:38*	WG1082433
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 00:33*	WG1082433

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	03/09/2018 00:54	WG1082433
Toluene	1.32		1.00	1	03/09/2018 00:54	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 00:54	WG1082433
Total Xylenes	ND		3.00	1	03/09/2018 00:54	WG1082433
Methyl tert-butyl ether	8.74		1.00	1	03/09/2018 00:54	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 00:54	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 00:54	WG1082433
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 00:54*	WG1082433
(S) Dibromofluoromethane	*97.3*		*76.0-123*		*03/09/2018 00:54*	WG1082433
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*03/09/2018 00:54*	WG1082433

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	4.36		1.00	1	03/09/2018 01:15	WG1082433
Toluene	18.1		1.00	1	03/09/2018 01:15	WG1082433
Ethylbenzene	4.50		1.00	1	03/09/2018 01:15	WG1082433
Total Xylenes	33.3		3.00	1	03/09/2018 01:15	WG1082433
Methyl tert-butyl ether	1.37		1.00	1	03/09/2018 01:15	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 01:15	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 01:15	WG1082433
(S) Toluene-d8	*103*		*80.0-120*		*03/09/2018 01:15*	WG1082433
(S) Dibromofluoromethane	*97.9*		*76.0-123*		*03/09/2018 01:15*	WG1082433
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/09/2018 01:15*	WG1082433

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	44.2		10.0	10	03/09/2018 01:36	WG1082433
Toluene	75.2		10.0	10	03/09/2018 01:36	WG1082433
Ethylbenzene	ND		10.0	10	03/09/2018 01:36	WG1082433
Total Xylenes	38.4		30.0	10	03/09/2018 01:36	WG1082433
Methyl tert-butyl ether	ND		10.0	10	03/09/2018 01:36	WG1082433
Naphthalene	ND		50.0	10	03/09/2018 01:36	WG1082433
1,2-Dichloroethane	ND		10.0	10	03/09/2018 01:36	WG1082433
(S) Toluene-d8	*105*		*80.0-120*		*03/09/2018 01:36*	WG1082433
(S) Dibromofluoromethane	*94.6*		*76.0-123*		*03/09/2018 01:36*	WG1082433
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*03/09/2018 01:36*	WG1082433

Sample Narrative:

L975693-25 WG1082433: Non-target compounds too high to run at a lower dilution.

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	03/09/2018 01:57	WG1082433
Toluene	ND		1.00	1	03/09/2018 01:57	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 01:57	WG1082433
Total Xylenes	ND		3.00	1	03/09/2018 01:57	WG1082433
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 01:57	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 01:57	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 01:57	WG1082433
(S) Toluene-d8	*105*		*80.0-120*		*03/09/2018 01:57*	WG1082433
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*03/09/2018 01:57*	WG1082433
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/09/2018 01:57*	WG1082433

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	03/09/2018 02:18	WG1082433
Toluene	ND		1.00	1	03/09/2018 02:18	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 02:18	WG1082433
Total Xylenes	ND		3.00	1	03/09/2018 02:18	WG1082433
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 02:18	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 02:18	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 02:18	WG1082433
(S) Toluene-d8	*106*		*80.0-120*		*03/09/2018 02:18*	WG1082433
(S) Dibromofluoromethane	*97.9*		*76.0-123*		*03/09/2018 02:18*	WG1082433
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/09/2018 02:18*	WG1082433

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8830		50.0	50	03/09/2018 02:39	WG1082433
Toluene	20200		200	200	03/15/2018 04:48	WG1082433
Ethylbenzene	1110		50.0	50	03/09/2018 02:39	WG1082433
Total Xylenes	8220		150	50	03/09/2018 02:39	WG1082433
Methyl tert-butyl ether	960		50.0	50	03/09/2018 02:39	WG1082433
Naphthalene	ND		250	50	03/09/2018 02:39	WG1082433
1,2-Dichloroethane	ND		50.0	50	03/09/2018 02:39	WG1082433
(S) Toluene-d8	*105*		*80.0-120*		*03/09/2018 02:39*	WG1082433
(S) Toluene-d8	*109*		*80.0-120*		*03/15/2018 04:48*	WG1082433
(S) Dibromofluoromethane	*95.5*		*76.0-123*		*03/09/2018 02:39*	WG1082433
(S) Dibromofluoromethane	*85.9*		*76.0-123*		*03/15/2018 04:48*	WG1082433
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/09/2018 02:39*	WG1082433
(S) 4-Bromofluorobenzene	*92.4*		*80.0-120*		*03/15/2018 04:48*	WG1082433

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	03/09/2018 03:00	WG1082433
Toluene	ND		1.00	1	03/09/2018 03:00	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 03:00	WG1082433
Total Xylenes	ND		3.00	1	03/09/2018 03:00	WG1082433
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 03:00	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 03:00	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 03:00	WG1082433
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 03:00*	WG1082433
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*03/09/2018 03:00*	WG1082433
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 03:00*	WG1082433

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8700		50.0	50	03/09/2018 03:21	WG1082433
Toluene	19400		200	200	03/15/2018 05:07	WG1082433
Ethylbenzene	1080		50.0	50	03/09/2018 03:21	WG1082433
Total Xylenes	7770		150	50	03/09/2018 03:21	WG1082433
Methyl tert-butyl ether	983		50.0	50	03/09/2018 03:21	WG1082433
Naphthalene	ND		250	50	03/09/2018 03:21	WG1082433
1,2-Dichloroethane	ND		50.0	50	03/09/2018 03:21	WG1082433
(S) Toluene-d8	*111*		*80.0-120*		*03/15/2018 05:07*	WG1082433
(S) Toluene-d8	*106*		*80.0-120*		*03/09/2018 03:21*	WG1082433
(S) Dibromofluoromethane	*97.0*		*76.0-123*		*03/09/2018 03:21*	WG1082433
(S) Dibromofluoromethane	*84.8*		*76.0-123*		*03/15/2018 05:07*	WG1082433
(S) 4-Bromofluorobenzene	*91.8*		*80.0-120*		*03/15/2018 05:07*	WG1082433
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 03:21*	WG1082433

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/08/2018 16:43	WG1082115

Sample Narrative:
L975693-31 WG1082115: 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	67400	T8	20000	1	03/08/2018 16:43	WG1082115

Sample Narrative:
L975693-31 WG1082115: 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)	3280		100	1	03/08/2018 21:57	WG1082093
Sulfate	69600		5000	1	03/08/2018 21:57	WG1082093

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	03/09/2018 11:37	WG1082294

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	03/09/2018 03:42	WG1082433
Toluene	ND		1.00	1	03/09/2018 03:42	WG1082433
Ethylbenzene	ND		1.00	1	03/09/2018 03:42	WG1082433
Total Xylenes	ND		3.00	1	03/09/2018 03:42	WG1082433
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 03:42	WG1082433
Naphthalene	ND		5.00	1	03/09/2018 03:42	WG1082433
1,2-Dichloroethane	ND		1.00	1	03/09/2018 03:42	WG1082433
(S) Toluene-d8	*106*		*80.0-120*		*03/09/2018 03:42*	WG1082433
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*03/09/2018 03:42*	WG1082433
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 03:42*	WG1082433

L975308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975308-01 03/08/18 14:33 • (DUP) R3291856-1 03/08/18 14:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	136000	140000	1	2.32		20

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

L975768-06 Original Sample (OS) • Duplicate (DUP)

(OS) L975768-06 03/08/18 17:01 • (DUP) R3291856-9 03/08/18 17:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	ND	6550	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) R3291856-7 03/08/18 15:42 • (LCSD) R3291856-8 03/08/18 16:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	98500	98600	98.5	98.6	85.0-115			0.112	20

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

L975308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L975308-01 03/08/18 14:33 • (DUP) R3291856-2 03/08/18 14:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L975768-06 Original Sample (OS) • Duplicate (DUP)

(OS) L975768-06 03/08/18 17:01 • (DUP) R3291856-10 03/08/18 17:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	38100	40100	1	5.11		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3291805-1 03/08/18 12:24

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

L975690-03 Original Sample (OS) • Duplicate (DUP)

(OS) L975690-03 03/08/18 17:50 • (DUP) R3291805-4 03/08/18 18:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	U	0.000	1	0.000		15

L975693-31 Original Sample (OS) • Duplicate (DUP)

(OS) L975693-31 03/08/18 21:57 • (DUP) R3291805-7 03/08/18 22:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	3280	3670	1	11.1		15
Sulfate	69600	70200	1	0.794		15

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

(LCS) R3291805-2 03/08/18 12:40 • (LCSD) R3291805-3 03/08/18 12:55

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	8410	8350	105	104	80.0-120			0.734	15
Sulfate	40000	40000	39700	100	99.3	80.0-120			0.806	15

L975690-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L975690-03 03/08/18 17:50 • (MS) R3291805-5 03/08/18 18:21 • (MSD) R3291805-6 03/08/18 18:36

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	U	4810	4850	96.3	97.0	1	80.0-120			0.784	15

L975693-31 Original Sample (OS) • Matrix Spike (MS)

(OS) L975693-31 03/08/18 21:57 • (MS) R3291805-8 03/08/18 22:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	3280	8570	106	1	80.0-120	
Sulfate	50000	69600	116000	93.3	1	80.0-120	E

Method Blank (MB)

(MB) R3291940-1 03/09/18 10:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0

L975682-06 Original Sample (OS) • Duplicate (DUP)

(OS) L975682-06 03/09/18 10:44 • (DUP) R3291940-2 03/09/18 11:04

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

L975693-31 Original Sample (OS) • Duplicate (DUP)

(OS) L975693-31 03/09/18 11:37 • (DUP) R3291940-3 03/09/18 11:52

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

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

(LCS) R3291940-4 03/09/18 11:56 • (LCSD) R3291940-5 03/09/18 11:59

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 %
Methane	67.8	68.2	72.3	101	107	85.0-115			5.92	20

Method Blank (MB)

(MB) R3292538-2 03/08/18 16:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*109*			*76.0-123*
(S) 4-Bromofluorobenzene	*108*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3292538-1 03/08/18 15:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	28.8	115	70.0-130	
1,2-Dichloroethane	25.0	28.0	112	70.0-130	
Ethylbenzene	25.0	28.0	112	70.0-130	
Methyl tert-butyl ether	25.0	29.3	117	70.0-130	
Naphthalene	25.0	20.0	80.1	70.0-130	
Toluene	25.0	27.1	108	70.0-130	
Xylenes, Total	75.0	82.9	111	70.0-130	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*107*	*76.0-123*	
(S) 4-Bromofluorobenzene			*111*	*80.0-120*	

Method Blank (MB)

(MB) R3293119-4 03/13/18 18:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00

Method Blank (MB)

(MB) R3293119-4 03/13/18 18:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Trichloroethene	U		0.398	1.00
1,2,3-Trimethylbenzene	U		0.321	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.9*			*80.0-120*

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

(LCS) R3293119-1 03/13/18 17:05 • (LCSD) R3293119-2 03/13/18 17:24

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 %
Acetone	125	137	115	110	92.0	70.0-130			17.6	23.9
Benzene	25.0	22.9	22.8	91.4	91.3	70.0-130			0.165	20
Bromodichloromethane	25.0	26.8	27.1	107	108	70.0-130			0.796	20
Bromoform	25.0	25.0	25.3	99.9	101	70.0-130			1.18	20
Bromomethane	25.0	21.1	21.5	84.2	86.1	70.0-130			2.21	20
Carbon disulfide	25.0	20.7	20.8	83.0	83.1	70.0-130			0.112	20
Carbon tetrachloride	25.0	26.9	26.6	107	106	70.0-130			1.13	20
Chlorobenzene	25.0	23.5	22.9	93.9	91.6	70.0-130			2.43	20
Chlorodibromomethane	25.0	26.6	25.2	106	101	70.0-130			5.45	20
Chloroethane	25.0	19.4	20.0	77.6	79.8	70.0-130			2.81	20
Chloroform	25.0	28.1	27.8	112	111	70.0-130			0.924	20
Chloromethane	25.0	17.8	17.6	71.1	70.6	70.0-130			0.716	20
1,2-Dibromo-3-Chloropropane	25.0	27.4	27.7	110	111	70.0-130			0.946	20
1,2-Dibromoethane	25.0	26.3	25.8	105	103	70.0-130			2.11	20
1,2-Dichlorobenzene	25.0	23.3	22.7	93.0	90.7	70.0-130			2.55	20
1,3-Dichlorobenzene	25.0	21.2	21.8	84.9	87.2	70.0-130			2.69	20
1,4-Dichlorobenzene	25.0	23.1	22.6	92.3	90.6	70.0-130			1.91	20
1,1-Dichloroethane	25.0	22.4	22.0	89.5	87.9	70.0-130			1.78	20
1,2-Dichloroethane	25.0	27.7	26.9	111	108	70.0-130			3.11	20
1,1-Dichloroethene	25.0	22.5	22.6	90.2	90.5	70.0-130			0.352	20
cis-1,2-Dichloroethene	25.0	23.8	24.0	95.0	96.1	70.0-130			1.10	20
trans-1,2-Dichloroethene	25.0	23.3	23.5	93.1	94.1	70.0-130			1.04	20
1,2-Dichloropropane	25.0	20.4	20.5	81.7	82.0	70.0-130			0.354	20
cis-1,3-Dichloropropene	25.0	26.6	26.2	106	105	70.0-130			1.64	20
trans-1,3-Dichloropropene	25.0	27.7	26.8	111	107	70.0-130			3.45	20

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

(LCS) R3293119-1 03/13/18 17:05 • (LCSD) R3293119-2 03/13/18 17:24

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 %
Di-isopropyl ether	25.0	22.1	21.7	88.6	86.9	70.0-130			1.89	20
Ethylbenzene	25.0	24.8	24.2	99.1	97.0	70.0-130			2.15	20
2-Hexanone	125	109	103	87.2	82.5	70.0-130			5.62	20
2-Butanone (MEK)	125	104	94.1	83.2	75.3	70.0-130			9.97	20
Methylene Chloride	25.0	23.7	22.8	94.9	91.2	70.0-130			3.97	20
4-Methyl-2-pentanone (MIBK)	125	127	120	102	95.8	70.0-130			6.10	20
Methyl tert-butyl ether	25.0	26.5	24.4	106	97.6	70.0-130			8.18	20
Naphthalene	25.0	25.1	25.5	100	102	70.0-130			1.81	20
Styrene	25.0	20.9	21.5	83.5	85.8	70.0-130			2.74	20
1,1,2,2-Tetrachloroethane	25.0	22.7	21.8	90.7	87.2	70.0-130			3.94	20
Tetrachloroethene	25.0	23.1	22.6	92.5	90.5	70.0-130			2.19	20
Toluene	25.0	22.3	22.4	89.4	89.5	70.0-130			0.146	20
1,1,2-Trichlorotrifluoroethane	25.0	27.7	27.0	111	108	70.0-130			2.78	20
1,1,1-Trichloroethane	25.0	29.5	28.5	118	114	70.0-130			3.45	20
1,1,2-Trichloroethane	25.0	24.5	23.6	98.2	94.3	70.0-130			4.07	20
Trichloroethene	25.0	25.2	25.1	101	100	70.0-130			0.183	20
1,2,3-Trimethylbenzene	25.0	26.3	27.0	105	108	70.0-130			2.58	20
Vinyl chloride	25.0	20.7	20.7	82.6	82.8	70.0-130			0.237	20
Xylenes, Total	75.0	73.4	75.0	97.9	100	70.0-130			2.16	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*101*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*103*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.8*	*95.1*	*80.0-120*				

Method Blank (MB)

(MB) R3292764-2 03/08/18 22:06

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	*96.0*			*76.0-123*
(S) 4-Bromofluorobenzene	*105*			*80.0-120*

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

(LCS) R3292764-1 03/08/18 20:21 • (LCSD) R3292764-3 03/08/18 20:42

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	26.5	26.6	106	106	70.0-130			0.245	20
1,2-Dichloroethane	25.0	28.6	28.0	114	112	70.0-130			1.97	20
Ethylbenzene	25.0	26.2	26.2	105	105	70.0-130			0.219	20
Methyl tert-butyl ether	25.0	25.1	24.6	100	98.6	70.0-130			1.81	20
Naphthalene	25.0	26.4	26.3	106	105	70.0-130			0.249	20
Toluene	25.0	26.5	26.1	106	104	70.0-130			1.59	20
Xylenes, Total	75.0	80.6	78.3	107	104	70.0-130			2.89	20
(S) Toluene-d8				*107*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*96.9*	*98.2*	*76.0-123*				
(S) 4-Bromofluorobenzene				*103*	*106*	*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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
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.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

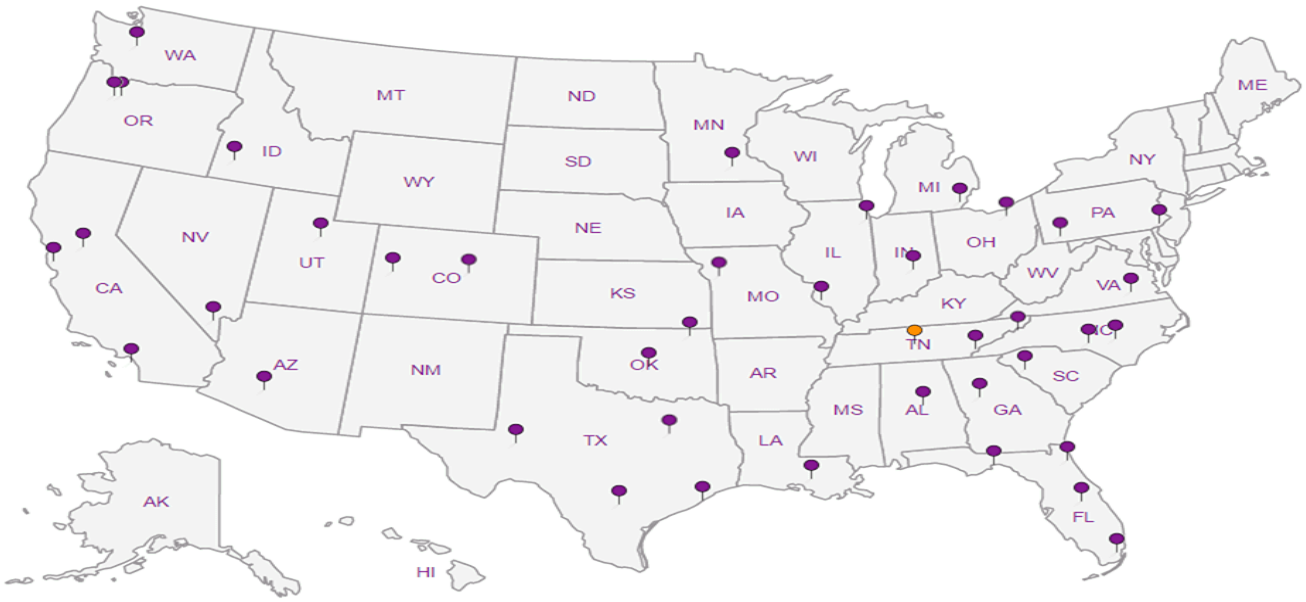
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

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

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 # 699858.LD.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARNER

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)
___ 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	NAPHTHALENE	BTEX	1,2-DCA	V8260 BTEX/NSC - TB 40mlAmb HCl-BLK				
MW-13B-030718	GRAB	GW	NA	03/07/18	0935	3					X	X	X					-01
MW-14-030718		GW			0940	3					X	X	X					-02
MW-14B-030718		GW			0945	3					X	X	X					-03
TB01-030718		GW			0950	1					X	X	X	X				-04
MW-48B-030718		GW			1000	3					X	X	X					-05
MW-50B-030718		GW			1010	3					X	X	X					-06
MW-47-030718		GW			1020	3					X	X	X					-07
MW-31-030718		GW			1025	3					X	X	X					-08
MW-33T-030718		GW			1035	3					X	X	X					-09
MW-10-030718		GW			1100	~~3~~ 7 MT	X	X	X	X	X	X	X	X				-10

* 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 # 4269 9209 8543

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03/07/18	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			801

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 2.2 °C Bottles Received: 126

Date: 3/8/18 Time: 9:00

Hold: Condition: NCF OK

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

If preservation required by Login: Date/Time

Chain of Custody Page 1 of 4

ESC LABORATORIES
a subsidiary of Accutest

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

L# L975693

D068

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P640853
TSR: 526 - Chris McCord
PB: 2-27186
Shipped Via: FedEX Ground

Remarks | Sample # (lab only)

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:

Phone: 770-604-9182
Fax:

Client Project # 699858, LD, MR, GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N X Y ___

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	BTEX	NAPHTHALENE	1,2-DCA	Remarks	Sample # (lab only)
MW-02-030718	GRAB	GW	N/A	03/07/18	1230	3	X	X	X	X	X	X	X		-11
MW-02B-030718		GW			1235	3				X	X	X	X		-12
MW-32-030718		GW			1250	3	X	X	X	X	X	X	X		-13
MW-03-030718		GW			1300	3				X	X	X	X		-14
MW-30-030718		GW			1305	3				X	X	X	X		-15
MW-04-030718		GW			1340	3	X	X	X	X	X	X	X		-16
MW-05-030718		GW			1350	3				X	X	X	X		-17
MW-06-030718		GW			1400	3				X	X	X	X		-18
MW-06B-030718		GW			1405	3				X	X	X	X		-19
MW-16-030718		GW			1430	3 TAT	X	X	X	X	X	X	X		-20

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

pH _____ Temp _____

Flow _____ Other _____

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

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

Tracking # 4269 9209 8543

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

Temp: 3.7 °C Bottles Received: 12G

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03/07/18	1730	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			801

Date: 3/8/18 Time: 9:00

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

Chain of Custody Page 2 of 4

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# L975693

Table #

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P640853

TSR: 526 - Chris McCord

PB: 2-27-18

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 Groundwater

City/State Collected: BELTON, SC

Phone: 770-604-9182
Fax:

Client Project # 699858, LD, MR, GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

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	BTEX	NAPHTHALENE	1,2-DCA	Remarks	Sample # (lab only)
MW-08-030718	GRAB	GW	N/A	03/07/18	1450	3	X	X	X	X	X	X	X		-21
MW-09-030718		GW			1500	3	X	X	X	X	X	X	X		-22
MW-09D-030718		GW			1505	3				X	X	X	X		-23
MW-09B-030718		GW			1515	3				X	X	X	X		-24
MW-36-030718		GW			1520	3				X	X	X	X		-25
MW-36B-030718		GW			1525	3				X	X	X	X		-26
MW-21-030718		GW			1555	3				X	X	X	X		-27
MW-17B-030718		GW			1600	3				X	X	X	X		-28
FB01-030718		GW			1605	3				X	X	X	X		-29
MW-17BD-030718		GW			1602	3				X	X	X	X		-30

Analysis / Container / Preservative

Chain of Custody Page 3 of 4

ESC LABORATORY SCIENCES
a subsidiary of ACZ

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

L# L975693

Table #

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P640853

TSR: 526 - Chris McCord

PB: 2-27-18

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 # 4269 9209 8543

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
	03/07/18	1730		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 °C Bottles Received: 12G
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/8/18 Time: 9:00
				Hold: Condition: NCF / OK

Chain of Custody Page 4 of 4

ESC LABORATORY SCIENCES
a subsidiary of Accelerated

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

L# L975693

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P640853
TSR: 526 - Chris McCord
PB: 2-27-18GW

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 Groundwater**

City/State Collected: BELTON, SC

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

Client Project # 699858, LD.MR.GW

Lab Project # **KINCH2MGA-LEWIS12**

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N Y

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

Quote #

Date Results Needed

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	NAPHTHALENE	BTEX	1,2-DCA				Remarks	Sample # (lab only)
MW-29-030718	GRAB	GW	NA	03/07/18	0855	3	X	X	X	X	X	X	X					-31
~~MW-13B-030718~~																		
~~MW-14-030718~~																		
~~MW-14B-030718~~																		

Analysis / Container / Preservative

* 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 # 4269 9209 8543

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)
	03/07/18	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

Temp: 3.3 °C Bottles Received: 126

Date: 3/8/18 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Andy Vann

From: Jason Romer
Sent: Monday, March 12, 2018 1:23 PM
To: Login; Due VOC
Cc: Chris McCord
Subject: L975693-14 - KINCH2MGA

Per client email, please cancel VOC analysis for MW-03-030718

Login - Please delete L975693-14 and scan a copy of the email with the COC.

Thanks,

Jason Romer
Project Manager
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
800.767.5859 Ext. 9713| Direct 615.773.9713
jromer@esclabsciences.com | www.esclabsciences.com

ANALYTICAL REPORT

March 19, 2018

CH2M Hill- Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L976079
Samples Received:	03/09/2018
Project Number:	699858.LD.MR.GW
Description:	Lewis Drive Groundwater
Site:	LEWIS DRIVE
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
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-07-030818 L976079-01 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 07:30 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	250	03/15/18 12:19	03/15/18 12:19	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	50	03/15/18 00:51	03/15/18 00:51	JAH

MW-03-030818 L976079-02 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 07:45 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 09:31	03/12/18 09:31	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 09:31	03/12/18 09:31	MCG
Wet Chemistry by Method 9056A	WG1082626	1	03/09/18 20:30	03/09/18 20:30	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 11:47	03/12/18 11:47	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 01:11	03/15/18 01:11	JAH

MW-15B-030818 L976079-03 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 08:30 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	25	03/15/18 01:30	03/15/18 01:30	JAH

MW-15-030818 L976079-04 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 08:35 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 09:38	03/12/18 09:38	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 09:38	03/12/18 09:38	MCG
Wet Chemistry by Method 9056A	WG1082626	1	03/09/18 20:43	03/09/18 20:43	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 11:49	03/12/18 11:49	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 01:50	03/15/18 01:50	JAH

MW-38-030818 L976079-05 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 08:50 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	5	03/15/18 02:09	03/15/18 02:09	JAH

MW-37-030818 L976079-06 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 08:55 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 16:58	03/09/18 16:58	AB

MW-43B-030818 L976079-07 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:10 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 17:17	03/09/18 17:17	AB

MW-43-030818 L976079-08 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:15 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 17:37	03/09/18 17:37	AB

MW-24-030818 L976079-09 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:25 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 17:56	03/09/18 17:56	AB

MW-24B-030818 L976079-10 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:30 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 18:15	03/09/18 18:15	AB

FB01-030818 L976079-11 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:35 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 18:34	03/09/18 18:34	AB

TB01-030818 L976079-12 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:37 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1084658	1	03/14/18 17:43	03/14/18 17:43	JAH

MW-34-030818 L976079-13 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 09:55 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 18:54	03/09/18 18:54	AB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	10	03/15/18 02:29	03/15/18 02:29	JAH

MW-39-030818 L976079-14 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:00 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 19:13	03/09/18 19:13	AB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	5	03/15/18 02:49	03/15/18 02:49	JAH

MW-40-030818 L976079-15 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:15 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 09:44	03/12/18 09:44	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 09:44	03/12/18 09:44	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 12:32	03/09/18 12:32	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 11:52	03/12/18 11:52	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	250	03/15/18 12:38	03/15/18 12:38	LRL

MW-40-030818 L976079-15 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:15 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	50	03/15/18 03:09	03/15/18 03:09	JAH

MW-41-030818 L976079-16 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:20 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 03:29	03/15/18 03:29	JAH

MW-42-030818 L976079-17 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:30 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 09:49	03/12/18 09:49	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 09:49	03/12/18 09:49	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 12:48	03/09/18 12:48	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 12:12	03/12/18 12:12	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 03:49	03/15/18 03:49	JAH

MW-25-030818 L976079-18 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:40 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 09:55	03/12/18 09:55	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 09:55	03/12/18 09:55	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 13:49	03/09/18 13:49	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 12:15	03/12/18 12:15	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 04:08	03/15/18 04:08	JAH

MW-25B-030818 L976079-19 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:45 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/15/18 04:28	03/15/18 04:28	JAH

MW-35-030818 L976079-20 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 10:55 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 10:00	03/12/18 10:00	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 10:00	03/12/18 10:00	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 14:35	03/09/18 14:35	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 12:18	03/12/18 12:18	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082735	1	03/09/18 21:08	03/09/18 21:08	AB

MW-49-030818 L976079-21 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 12:05 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 01:22	03/10/18 01:22	ACE

MW-28-030818 L976079-22 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 12:10 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 01:41	03/10/18 01:41	ACE

MW-12B-030818 L976079-23 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 12:25 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 02:00	03/10/18 02:00	ACE

MW-12-030818 L976079-24 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 12:30 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 10:13	03/12/18 10:13	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 10:13	03/12/18 10:13	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 14:51	03/09/18 14:51	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083421	1	03/12/18 12:21	03/12/18 12:21	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	10	03/10/18 02:20	03/10/18 02:20	ACE

MW-27-030818 L976079-25 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 13:00 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 02:39	03/10/18 02:39	ACE

MW-27B-030818 L976079-26 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 13:05 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 02:58	03/10/18 02:58	ACE

MW-01-030818 L976079-27 GW

Collected by: Melissa Warren | Collected date/time: 03/08/18 13:20 | Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1083076	1	03/12/18 10:19	03/12/18 10:19	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1083076	1	03/12/18 10:19	03/12/18 10:19	MCG
Wet Chemistry by Method 9056A	WG1082627	1	03/09/18 15:06	03/09/18 15:06	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1083671	1	03/13/18 10:46	03/13/18 10:46	AMC
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 03:17	03/10/18 03:17	ACE

MW-01B-030818 L976079-28 GW

Collected by: Melissa Warren
Collected date/time: 03/08/18 13:30
Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 03:36	03/10/18 03:36	ACE

MW-27BD-030818 L976079-29 GW

Collected by: Melissa Warren
Collected date/time: 03/08/18 13:07
Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 03:55	03/10/18 03:55	ACE

MW-44-030818 L976079-30 GW

Collected by: Melissa Warren
Collected date/time: 03/08/18 13:35
Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 04:14	03/10/18 04:14	ACE

MW-44D-030818 L976079-31 GW

Collected by: Melissa Warren
Collected date/time: 03/08/18 13:40
Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 04:33	03/10/18 04:33	ACE

MW-44B-030818 L976079-32 GW

Collected by: Melissa Warren
Collected date/time: 03/08/18 13:45
Received date/time: 03/09/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1082917	1	03/10/18 04:53	03/10/18 04:53	ACE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All 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	4550		50.0	50	03/15/2018 00:51	WG1082735
Toluene	14100		250	250	03/15/2018 12:19	WG1082735
Ethylbenzene	802		50.0	50	03/15/2018 00:51	WG1082735
Total Xylenes	7520		150	50	03/15/2018 00:51	WG1082735
Methyl tert-butyl ether	ND		50.0	50	03/15/2018 00:51	WG1082735
Naphthalene	ND		250	50	03/15/2018 00:51	WG1082735
1,2-Dichloroethane	ND		50.0	50	03/15/2018 00:51	WG1082735
(S) Toluene-d8	*104*		*80.0-120*		*03/15/2018 00:51*	WG1082735
(S) Toluene-d8	*106*		*80.0-120*		*03/15/2018 12:19*	WG1082735
(S) Dibromofluoromethane	*84.9*		*76.0-123*		*03/15/2018 00:51*	WG1082735
(S) Dibromofluoromethane	*97.1*		*76.0-123*		*03/15/2018 12:19*	WG1082735
(S) 4-Bromofluorobenzene	*96.8*		*80.0-120*		*03/15/2018 00:51*	WG1082735
(S) 4-Bromofluorobenzene	*99.9*		*80.0-120*		*03/15/2018 12:19*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/12/2018 09:31	WG1083076

Sample Narrative:
L976079-02 WG1083076: 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	03/12/2018 09:31	WG1083076

Sample Narrative:
L976079-02 WG1083076: 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)	497		100	1	03/09/2018 20:30	WG1082626
Sulfate	ND		5000	1	03/09/2018 20:30	WG1082626

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	03/12/2018 11:47	WG1083421

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	03/15/2018 01:11	WG1082735
Toluene	ND		1.00	1	03/15/2018 01:11	WG1082735
Ethylbenzene	ND		1.00	1	03/15/2018 01:11	WG1082735
Total Xylenes	ND		3.00	1	03/15/2018 01:11	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/15/2018 01:11	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 01:11	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 01:11	WG1082735
(S) Toluene-d8	*110*		*80.0-120*		*03/15/2018 01:11*	WG1082735
(S) Dibromofluoromethane	*87.0*		*76.0-123*		*03/15/2018 01:11*	WG1082735
(S) 4-Bromofluorobenzene	*95.5*		*80.0-120*		*03/15/2018 01:11*	WG1082735

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1290		25.0	25	03/15/2018 01:30	WG1082735
Toluene	3140		25.0	25	03/15/2018 01:30	WG1082735
Ethylbenzene	151		25.0	25	03/15/2018 01:30	WG1082735
Total Xylenes	1070		75.0	25	03/15/2018 01:30	WG1082735
Methyl tert-butyl ether	93.2		25.0	25	03/15/2018 01:30	WG1082735
Naphthalene	ND		125	25	03/15/2018 01:30	WG1082735
1,2-Dichloroethane	ND		25.0	25	03/15/2018 01:30	WG1082735
(S) Toluene-d8	*106*		*80.0-120*		*03/15/2018 01:30*	WG1082735
(S) Dibromofluoromethane	*88.3*		*76.0-123*		*03/15/2018 01:30*	WG1082735
(S) 4-Bromofluorobenzene	*96.4*		*80.0-120*		*03/15/2018 01:30*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/12/2018 09:38	WG1083076

Sample Narrative:
L976079-04 WG1083076: 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	03/12/2018 09:38	WG1083076

Sample Narrative:
L976079-04 WG1083076: 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)	1080		100	1	03/09/2018 20:43	WG1082626
Sulfate	ND		5000	1	03/09/2018 20:43	WG1082626

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	03/12/2018 11:49	WG1083421

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	53.1		1.00	1	03/15/2018 01:50	WG1082735
Toluene	89.9		1.00	1	03/15/2018 01:50	WG1082735
Ethylbenzene	2.75		1.00	1	03/15/2018 01:50	WG1082735
Total Xylenes	53.1		3.00	1	03/15/2018 01:50	WG1082735
Methyl tert-butyl ether	85.0		1.00	1	03/15/2018 01:50	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 01:50	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 01:50	WG1082735
(S) Toluene-d8	*106*		*80.0-120*		*03/15/2018 01:50*	WG1082735
(S) Dibromofluoromethane	*85.6*		*76.0-123*		*03/15/2018 01:50*	WG1082735
(S) 4-Bromofluorobenzene	*93.3*		*80.0-120*		*03/15/2018 01:50*	WG1082735

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	364		5.00	5	03/15/2018 02:09	WG1082735
Toluene	ND		5.00	5	03/15/2018 02:09	WG1082735
Ethylbenzene	ND		5.00	5	03/15/2018 02:09	WG1082735
Total Xylenes	202		15.0	5	03/15/2018 02:09	WG1082735
Methyl tert-butyl ether	54.8		5.00	5	03/15/2018 02:09	WG1082735
Naphthalene	ND		25.0	5	03/15/2018 02:09	WG1082735
1,2-Dichloroethane	ND		5.00	5	03/15/2018 02:09	WG1082735
(S) Toluene-d8	*108*		*80.0-120*		*03/15/2018 02:09*	WG1082735
(S) Dibromofluoromethane	*83.1*		*76.0-123*		*03/15/2018 02:09*	WG1082735
(S) 4-Bromofluorobenzene	*94.6*		*80.0-120*		*03/15/2018 02:09*	WG1082735

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	03/09/2018 16:58	WG1082735
Toluene	ND		1.00	1	03/09/2018 16:58	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 16:58	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 16:58	WG1082735
Methyl tert-butyl ether	3.71		1.00	1	03/09/2018 16:58	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 16:58	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 16:58	WG1082735
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 16:58*	WG1082735
(S) Dibromofluoromethane	*94.5*		*76.0-123*		*03/09/2018 16:58*	WG1082735
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/09/2018 16:58*	WG1082735

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	03/09/2018 17:17	WG1082735
Toluene	ND		1.00	1	03/09/2018 17:17	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 17:17	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 17:17	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 17:17	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 17:17	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 17:17	WG1082735
(S) Toluene-d8	*110*		*80.0-120*		*03/09/2018 17:17*	WG1082735
(S) Dibromofluoromethane	*94.9*		*76.0-123*		*03/09/2018 17:17*	WG1082735
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 17:17*	WG1082735

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	03/09/2018 17:37	WG1082735
Toluene	ND		1.00	1	03/09/2018 17:37	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 17:37	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 17:37	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 17:37	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 17:37	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 17:37	WG1082735
(S) Toluene-d8	*106*		*80.0-120*		*03/09/2018 17:37*	WG1082735
(S) Dibromofluoromethane	*93.6*		*76.0-123*		*03/09/2018 17:37*	WG1082735
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*03/09/2018 17:37*	WG1082735

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	03/09/2018 17:56	WG1082735
Toluene	ND		1.00	1	03/09/2018 17:56	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 17:56	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 17:56	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 17:56	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 17:56	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 17:56	WG1082735
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 17:56*	WG1082735
(S) Dibromofluoromethane	*96.2*		*76.0-123*		*03/09/2018 17:56*	WG1082735
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/09/2018 17:56*	WG1082735

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	03/09/2018 18:15	WG1082735
Toluene	ND		1.00	1	03/09/2018 18:15	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 18:15	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 18:15	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 18:15	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 18:15	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 18:15	WG1082735
(S) Toluene-d8	*106*		*80.0-120*		*03/09/2018 18:15*	WG1082735
(S) Dibromofluoromethane	*92.6*		*76.0-123*		*03/09/2018 18:15*	WG1082735
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*03/09/2018 18:15*	WG1082735

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	03/09/2018 18:34	WG1082735
Toluene	ND		1.00	1	03/09/2018 18:34	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 18:34	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 18:34	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 18:34	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 18:34	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 18:34	WG1082735
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 18:34*	WG1082735
(S) Dibromofluoromethane	*92.2*		*76.0-123*		*03/09/2018 18:34*	WG1082735
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/09/2018 18:34*	WG1082735

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	03/14/2018 17:43	WG1084658
Benzene	ND		1.00	1	03/14/2018 17:43	WG1084658
Bromodichloromethane	ND		1.00	1	03/14/2018 17:43	WG1084658
Bromoform	ND		1.00	1	03/14/2018 17:43	WG1084658
Bromomethane	ND		5.00	1	03/14/2018 17:43	WG1084658
Carbon disulfide	ND		1.00	1	03/14/2018 17:43	WG1084658
Carbon tetrachloride	ND		1.00	1	03/14/2018 17:43	WG1084658
Chlorobenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
Chlorodibromomethane	ND		1.00	1	03/14/2018 17:43	WG1084658
Chloroethane	ND		5.00	1	03/14/2018 17:43	WG1084658
Chloroform	ND		5.00	1	03/14/2018 17:43	WG1084658
Chloromethane	ND		2.50	1	03/14/2018 17:43	WG1084658
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/14/2018 17:43	WG1084658
1,2-Dibromoethane	ND		1.00	1	03/14/2018 17:43	WG1084658
1,2-Dichlorobenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,3-Dichlorobenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,4-Dichlorobenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,1-Dichloroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
1,2-Dichloroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
1,1-Dichloroethene	ND		1.00	1	03/14/2018 17:43	WG1084658
cis-1,2-Dichloroethene	ND		1.00	1	03/14/2018 17:43	WG1084658
trans-1,2-Dichloroethene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,2-Dichloropropane	ND		1.00	1	03/14/2018 17:43	WG1084658
cis-1,3-Dichloropropene	ND		1.00	1	03/14/2018 17:43	WG1084658
trans-1,3-Dichloropropene	ND		1.00	1	03/14/2018 17:43	WG1084658
Di-isopropyl ether	ND		1.00	1	03/14/2018 17:43	WG1084658
Ethylbenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
2-Butanone (MEK)	ND		10.0	1	03/14/2018 17:43	WG1084658
2-Hexanone	ND		10.0	1	03/14/2018 17:43	WG1084658
Methylene Chloride	ND		5.00	1	03/14/2018 17:43	WG1084658
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/14/2018 17:43	WG1084658
Methyl tert-butyl ether	ND		1.00	1	03/14/2018 17:43	WG1084658
Naphthalene	ND		5.00	1	03/14/2018 17:43	WG1084658
Styrene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
Tetrachloroethene	ND		1.00	1	03/14/2018 17:43	WG1084658
Toluene	ND		1.00	1	03/14/2018 17:43	WG1084658
1,1,1-Trichloroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
1,1,2-Trichloroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
Trichloroethene	ND		1.00	1	03/14/2018 17:43	WG1084658
Vinyl chloride	ND		1.00	1	03/14/2018 17:43	WG1084658
Xylenes, Total	ND		3.00	1	03/14/2018 17:43	WG1084658
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/14/2018 17:43	WG1084658
1,2,3-Trimethylbenzene	ND		1.00	1	03/14/2018 17:43	WG1084658
(S) Toluene-d8	*105*		*80.0-120*		*03/14/2018 17:43*	WG1084658
(S) Dibromofluoromethane	*83.0*		*76.0-123*		*03/14/2018 17:43*	WG1084658
(S) a,a,a-Trifluorotoluene	*99.5*		*80.0-120*		*03/14/2018 17:43*	WG1084658
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/14/2018 17:43*	WG1084658

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	696		10.0	10	03/15/2018 02:29	WG1082735
Toluene	51.6		1.00	1	03/09/2018 18:54	WG1082735
Ethylbenzene	7.35		1.00	1	03/09/2018 18:54	WG1082735
Total Xylenes	180		3.00	1	03/09/2018 18:54	WG1082735
Methyl tert-butyl ether	229		10.0	10	03/15/2018 02:29	WG1082735
Naphthalene	5.84		5.00	1	03/09/2018 18:54	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 18:54	WG1082735
(S) Toluene-d8	*110*		*80.0-120*		*03/15/2018 02:29*	WG1082735
(S) Toluene-d8	*104*		*80.0-120*		*03/09/2018 18:54*	WG1082735
(S) Dibromofluoromethane	*84.7*		*76.0-123*		*03/15/2018 02:29*	WG1082735
(S) Dibromofluoromethane	*103*		*76.0-123*		*03/09/2018 18:54*	WG1082735
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/09/2018 18:54*	WG1082735
(S) 4-Bromofluorobenzene	*95.4*		*80.0-120*		*03/15/2018 02:29*	WG1082735

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	03/09/2018 19:13	WG1082735
Toluene	ND		1.00	1	03/09/2018 19:13	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 19:13	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 19:13	WG1082735
Methyl tert-butyl ether	304		5.00	5	03/15/2018 02:49	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 19:13	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 19:13	WG1082735
(S) Toluene-d8	*107*		*80.0-120*		*03/09/2018 19:13*	WG1082735
(S) Toluene-d8	*108*		*80.0-120*		*03/15/2018 02:49*	WG1082735
(S) Dibromofluoromethane	*95.4*		*76.0-123*		*03/09/2018 19:13*	WG1082735
(S) Dibromofluoromethane	*87.5*		*76.0-123*		*03/15/2018 02:49*	WG1082735
(S) 4-Bromofluorobenzene	*92.6*		*80.0-120*		*03/15/2018 02:49*	WG1082735
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/09/2018 19:13*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	28100		20000	1	03/12/2018 09:44	WG1083076

Sample Narrative:
L976079-15 WG1083076: 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	49500	T8	20000	1	03/12/2018 09:44	WG1083076

Sample Narrative:
L976079-15 WG1083076: 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	03/09/2018 12:32	WG1082627
Sulfate	ND		5000	1	03/09/2018 12:32	WG1082627

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	29.0		10.0	1	03/12/2018 11:52	WG1083421

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8450		50.0	50	03/15/2018 03:09	WG1082735
Toluene	14500		250	250	03/15/2018 12:38	WG1082735
Ethylbenzene	498		50.0	50	03/15/2018 03:09	WG1082735
Total Xylenes	7580		150	50	03/15/2018 03:09	WG1082735
Methyl tert-butyl ether	337		50.0	50	03/15/2018 03:09	WG1082735
Naphthalene	ND		250	50	03/15/2018 03:09	WG1082735
1,2-Dichloroethane	ND		50.0	50	03/15/2018 03:09	WG1082735
(S) Toluene-d8	*109*		*80.0-120*		*03/15/2018 12:38*	WG1082735
(S) Toluene-d8	*110*		*80.0-120*		*03/15/2018 03:09*	WG1082735
(S) Dibromofluoromethane	*95.1*		*76.0-123*		*03/15/2018 12:38*	WG1082735
(S) Dibromofluoromethane	*81.4*		*76.0-123*		*03/15/2018 03:09*	WG1082735
(S) 4-Bromofluorobenzene	*96.8*		*80.0-120*		*03/15/2018 03:09*	WG1082735
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/15/2018 12:38*	WG1082735

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	03/15/2018 03:29	WG1082735
Toluene	ND		1.00	1	03/15/2018 03:29	WG1082735
Ethylbenzene	ND		1.00	1	03/15/2018 03:29	WG1082735
Total Xylenes	ND		3.00	1	03/15/2018 03:29	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/15/2018 03:29	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 03:29	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 03:29	WG1082735
(S) Toluene-d8	*105*		*80.0-120*		*03/15/2018 03:29*	WG1082735
(S) Dibromofluoromethane	*88.8*		*76.0-123*		*03/15/2018 03:29*	WG1082735
(S) 4-Bromofluorobenzene	*93.5*		*80.0-120*		*03/15/2018 03:29*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	03/12/2018 09:49	WG1083076

Sample Narrative:
L976079-17 WG1083076: 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	27300	T8	20000	1	03/12/2018 09:49	WG1083076

Sample Narrative:
L976079-17 WG1083076: 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)	510	J3	100	1	03/09/2018 12:48	WG1082627
Sulfate	ND		5000	1	03/09/2018 12:48	WG1082627

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	30.4		10.0	1	03/12/2018 12:12	WG1083421

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	1.02		1.00	1	03/15/2018 03:49	WG1082735
Toluene	ND		1.00	1	03/15/2018 03:49	WG1082735
Ethylbenzene	ND		1.00	1	03/15/2018 03:49	WG1082735
Total Xylenes	ND		3.00	1	03/15/2018 03:49	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/15/2018 03:49	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 03:49	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 03:49	WG1082735
(S) Toluene-d8	*112*		*80.0-120*		*03/15/2018 03:49*	WG1082735
(S) Dibromofluoromethane	*85.4*		*76.0-123*		*03/15/2018 03:49*	WG1082735
(S) 4-Bromofluorobenzene	*92.6*		*80.0-120*		*03/15/2018 03:49*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/12/2018 09:55	WG1083076

Sample Narrative:
L976079-18 WG1083076: 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	45000	T8	20000	1	03/12/2018 09:55	WG1083076

Sample Narrative:
L976079-18 WG1083076: 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	03/09/2018 13:49	WG1082627
Sulfate	ND		5000	1	03/09/2018 13:49	WG1082627

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	03/12/2018 12:15	WG1083421

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	03/15/2018 04:08	WG1082735
Toluene	ND		1.00	1	03/15/2018 04:08	WG1082735
Ethylbenzene	ND		1.00	1	03/15/2018 04:08	WG1082735
Total Xylenes	ND		3.00	1	03/15/2018 04:08	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/15/2018 04:08	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 04:08	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 04:08	WG1082735
(S) Toluene-d8	*110*		*80.0-120*		*03/15/2018 04:08*	WG1082735
(S) Dibromofluoromethane	*85.5*		*76.0-123*		*03/15/2018 04:08*	WG1082735
(S) 4-Bromofluorobenzene	*94.1*		*80.0-120*		*03/15/2018 04:08*	WG1082735

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	03/15/2018 04:28	WG1082735
Toluene	ND		1.00	1	03/15/2018 04:28	WG1082735
Ethylbenzene	ND		1.00	1	03/15/2018 04:28	WG1082735
Total Xylenes	ND		3.00	1	03/15/2018 04:28	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/15/2018 04:28	WG1082735
Naphthalene	ND		5.00	1	03/15/2018 04:28	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/15/2018 04:28	WG1082735
(S) Toluene-d8	*111*		*80.0-120*		*03/15/2018 04:28*	WG1082735
(S) Dibromofluoromethane	*85.5*		*76.0-123*		*03/15/2018 04:28*	WG1082735
(S) 4-Bromofluorobenzene	*94.5*		*80.0-120*		*03/15/2018 04:28*	WG1082735

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/12/2018 10:00	WG1083076

Sample Narrative:
L976079-20 WG1083076: 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	45300	T8	20000	1	03/12/2018 10:00	WG1083076

Sample Narrative:
L976079-20 WG1083076: 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)	643		100	1	03/09/2018 14:35	WG1082627
Sulfate	ND		5000	1	03/09/2018 14:35	WG1082627

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	03/12/2018 12:18	WG1083421

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	03/09/2018 21:08	WG1082735
Toluene	ND		1.00	1	03/09/2018 21:08	WG1082735
Ethylbenzene	ND		1.00	1	03/09/2018 21:08	WG1082735
Total Xylenes	ND		3.00	1	03/09/2018 21:08	WG1082735
Methyl tert-butyl ether	ND		1.00	1	03/09/2018 21:08	WG1082735
Naphthalene	ND		5.00	1	03/09/2018 21:08	WG1082735
1,2-Dichloroethane	ND		1.00	1	03/09/2018 21:08	WG1082735
(S) Toluene-d8	*105*		*80.0-120*		*03/09/2018 21:08*	WG1082735
(S) Dibromofluoromethane	*95.3*		*76.0-123*		*03/09/2018 21:08*	WG1082735
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*03/09/2018 21:08*	WG1082735

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	03/10/2018 01:22	WG1082917
Toluene	ND		1.00	1	03/10/2018 01:22	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 01:22	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 01:22	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 01:22	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 01:22	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 01:22	WG1082917
(S) Toluene-d8	*103*		*80.0-120*		*03/10/2018 01:22*	WG1082917
(S) Dibromofluoromethane	*94.3*		*76.0-123*		*03/10/2018 01:22*	WG1082917
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*03/10/2018 01:22*	WG1082917

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	10.1		1.00	1	03/10/2018 01:41	WG1082917
Toluene	5.27		1.00	1	03/10/2018 01:41	WG1082917
Ethylbenzene	9.92		1.00	1	03/10/2018 01:41	WG1082917
Total Xylenes	21.2		3.00	1	03/10/2018 01:41	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 01:41	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 01:41	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 01:41	WG1082917
(S) Toluene-d8	*106*		*80.0-120*		*03/10/2018 01:41*	WG1082917
(S) Dibromofluoromethane	*95.6*		*76.0-123*		*03/10/2018 01:41*	WG1082917
(S) 4-Bromofluorobenzene	*89.6*		*80.0-120*		*03/10/2018 01:41*	WG1082917

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.60		1.00	1	03/10/2018 02:00	WG1082917
Toluene	ND		1.00	1	03/10/2018 02:00	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 02:00	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 02:00	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 02:00	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 02:00	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 02:00	WG1082917
(S) Toluene-d8	*97.5*		*80.0-120*		*03/10/2018 02:00*	WG1082917
(S) Dibromofluoromethane	*105*		*76.0-123*		*03/10/2018 02:00*	WG1082917
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*03/10/2018 02:00*	WG1082917

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	26000		20000	1	03/12/2018 10:13	WG1083076

Sample Narrative:
L976079-24 WG1083076: 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	21900	T8	20000	1	03/12/2018 10:13	WG1083076

Sample Narrative:
L976079-24 WG1083076: 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	03/09/2018 14:51	WG1082627
Sulfate	ND		5000	1	03/09/2018 14:51	WG1082627

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	ND		10.0	1	03/12/2018 12:21	WG1083421

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	486		10.0	10	03/10/2018 02:20	WG1082917
Toluene	1880		10.0	10	03/10/2018 02:20	WG1082917
Ethylbenzene	25.2		10.0	10	03/10/2018 02:20	WG1082917
Total Xylenes	1980		30.0	10	03/10/2018 02:20	WG1082917
Methyl tert-butyl ether	ND		10.0	10	03/10/2018 02:20	WG1082917
Naphthalene	ND		50.0	10	03/10/2018 02:20	WG1082917
1,2-Dichloroethane	ND		10.0	10	03/10/2018 02:20	WG1082917
(S) Toluene-d8	*98.1*		*80.0-120*		*03/10/2018 02:20*	WG1082917
(S) Dibromofluoromethane	*106*		*76.0-123*		*03/10/2018 02:20*	WG1082917
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*03/10/2018 02:20*	WG1082917

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	14.5		1.00	1	03/10/2018 02:39	WG1082917
Toluene	62.3		1.00	1	03/10/2018 02:39	WG1082917
Ethylbenzene	29.7		1.00	1	03/10/2018 02:39	WG1082917
Total Xylenes	227		3.00	1	03/10/2018 02:39	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 02:39	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 02:39	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 02:39	WG1082917
(S) Toluene-d8	*99.1*		*80.0-120*		*03/10/2018 02:39*	WG1082917
(S) Dibromofluoromethane	*86.3*		*76.0-123*		*03/10/2018 02:39*	WG1082917
(S) 4-Bromofluorobenzene	*117*		*80.0-120*		*03/10/2018 02:39*	WG1082917

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	03/10/2018 02:58	WG1082917
Toluene	6.82		1.00	1	03/10/2018 02:58	WG1082917
Ethylbenzene	3.44		1.00	1	03/10/2018 02:58	WG1082917
Total Xylenes	28.8		3.00	1	03/10/2018 02:58	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 02:58	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 02:58	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 02:58	WG1082917
(S) Toluene-d8	*101*		*80.0-120*		*03/10/2018 02:58*	WG1082917
(S) Dibromofluoromethane	*101*		*76.0-123*		*03/10/2018 02:58*	WG1082917
(S) 4-Bromofluorobenzene	*96.5*		*80.0-120*		*03/10/2018 02:58*	WG1082917

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	03/12/2018 10:19	WG1083076

Sample Narrative:
L976079-27 WG1083076: 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	35300	T8	20000	1	03/12/2018 10:19	WG1083076

Sample Narrative:
L976079-27 WG1083076: 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	03/09/2018 15:06	WG1082627
Sulfate	ND		5000	1	03/09/2018 15:06	WG1082627

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	14.5		10.0	1	03/13/2018 10:46	WG1083671

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	1.85		1.00	1	03/10/2018 03:17	WG1082917
Toluene	ND		1.00	1	03/10/2018 03:17	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 03:17	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 03:17	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 03:17	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 03:17	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 03:17	WG1082917
(S) Toluene-d8	*102*		*80.0-120*		*03/10/2018 03:17*	WG1082917
(S) Dibromofluoromethane	*99.6*		*76.0-123*		*03/10/2018 03:17*	WG1082917
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*03/10/2018 03:17*	WG1082917

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.51		1.00	1	03/10/2018 03:36	WG1082917
Toluene	ND		1.00	1	03/10/2018 03:36	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 03:36	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 03:36	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 03:36	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 03:36	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 03:36	WG1082917
(S) Toluene-d8	*97.8*		*80.0-120*		*03/10/2018 03:36*	WG1082917
(S) Dibromofluoromethane	*93.2*		*76.0-123*		*03/10/2018 03:36*	WG1082917
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*03/10/2018 03:36*	WG1082917

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	03/10/2018 03:55	WG1082917
Toluene	7.97		1.00	1	03/10/2018 03:55	WG1082917
Ethylbenzene	4.02		1.00	1	03/10/2018 03:55	WG1082917
Total Xylenes	30.7		3.00	1	03/10/2018 03:55	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 03:55	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 03:55	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 03:55	WG1082917
(S) Toluene-d8	*129*	J1	*80.0-120*		*03/10/2018 03:55*	WG1082917
(S) Dibromofluoromethane	*97.5*		*76.0-123*		*03/10/2018 03:55*	WG1082917
(S) 4-Bromofluorobenzene	*88.6*		*80.0-120*		*03/10/2018 03:55*	WG1082917

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	03/10/2018 04:14	WG1082917
Toluene	ND		1.00	1	03/10/2018 04:14	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 04:14	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 04:14	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 04:14	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 04:14	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 04:14	WG1082917
(S) Toluene-d8	*98.3*		*80.0-120*		*03/10/2018 04:14*	WG1082917
(S) Dibromofluoromethane	*100*		*76.0-123*		*03/10/2018 04:14*	WG1082917
(S) 4-Bromofluorobenzene	*110*		*80.0-120*		*03/10/2018 04:14*	WG1082917

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	03/10/2018 04:33	WG1082917
Toluene	ND		1.00	1	03/10/2018 04:33	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 04:33	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 04:33	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 04:33	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 04:33	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 04:33	WG1082917
(S) Toluene-d8	*101*		*80.0-120*		*03/10/2018 04:33*	WG1082917
(S) Dibromofluoromethane	*92.1*		*76.0-123*		*03/10/2018 04:33*	WG1082917
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*03/10/2018 04:33*	WG1082917

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	03/10/2018 04:53	WG1082917
Toluene	ND		1.00	1	03/10/2018 04:53	WG1082917
Ethylbenzene	ND		1.00	1	03/10/2018 04:53	WG1082917
Total Xylenes	ND		3.00	1	03/10/2018 04:53	WG1082917
Methyl tert-butyl ether	ND		1.00	1	03/10/2018 04:53	WG1082917
Naphthalene	ND		5.00	1	03/10/2018 04:53	WG1082917
1,2-Dichloroethane	ND		1.00	1	03/10/2018 04:53	WG1082917
(S) Toluene-d8	*108*		*80.0-120*		*03/10/2018 04:53*	WG1082917
(S) Dibromofluoromethane	*96.5*		*76.0-123*		*03/10/2018 04:53*	WG1082917
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*03/10/2018 04:53*	WG1082917

L976094-01 Original Sample (OS) • Duplicate (DUP)

(OS) L976094-01 03/12/18 09:04 • (DUP) R3292406-1 03/12/18 09:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	113000	114000	1	1.23		20

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

L976002-02 Original Sample (OS) • Duplicate (DUP)

(OS) L976002-02 03/12/18 11:26 • (DUP) R3292406-5 03/12/18 11:34

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	8130	6420	1	23.5	J P1	20

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

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

(LCS) R3292406-3 03/12/18 10:06 • (LCSD) R3292406-4 03/12/18 11:18

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	96300	97600	96.3	97.6	85.0-115			1.30	20

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

L976094-01 Original Sample (OS) • Duplicate (DUP)

(OS) L976094-01 03/12/18 09:04 • (DUP) R3292406-2 03/12/18 09:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L976002-02 Original Sample (OS) • Duplicate (DUP)

(OS) L976002-02 03/12/18 11:26 • (DUP) R3292406-6 03/12/18 11:34

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) R3292164-1 03/09/18 11:31

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

L976070-02 Original Sample (OS) • Duplicate (DUP)

(OS) L976070-02 03/09/18 15:35 • (DUP) R3292164-4 03/09/18 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	U	0.000	1	0.000		15
Sulfate	3950	3900	1	1.32	J	15

L976080-01 Original Sample (OS) • Duplicate (DUP)

(OS) L976080-01 03/09/18 20:57 • (DUP) R3292164-7 03/09/18 21:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	21200	21300	1	0.252		15

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

(LCS) R3292164-2 03/09/18 11:45 • (LCSD) R3292164-3 03/09/18 11:58

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	8120	8100	102	101	80.0-120			0.260	15
Sulfate	40000	40100	39900	100	99.8	80.0-120			0.364	15

L976070-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L976070-02 03/09/18 15:35 • (MS) R3292164-5 03/09/18 16:28 • (MSD) R3292164-6 03/09/18 16:42

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	U	4850	4960	97.0	99.2	1	80.0-120			2.26	15
Sulfate	50000	3950	54000	53900	100	99.8	1	80.0-120			0.159	15

L976080-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L976080-01 03/09/18 20:57 • (MS) R3292164-8 03/09/18 21:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	9840	14500	93.5	1	80.0-120	E
Sulfate	50000	21200	70700	98.9	1	80.0-120	

Method Blank (MB)

(MB) R3292167-1 03/09/18 07:01

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

L976079-17 Original Sample (OS) • Duplicate (DUP)

(OS) L976079-17 03/09/18 12:48 • (DUP) R3292167-4 03/09/18 13:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	510	642	1	23.0	J3	15
Sulfate	ND	87.5	1	0.000		15

L976092-10 Original Sample (OS) • Duplicate (DUP)

(OS) L976092-10 03/09/18 18:42 • (DUP) R3292167-7 03/09/18 18:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	872	910	1	4.21		15
Sulfate	47100	46700	1	0.954		15

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

(LCS) R3292167-2 03/09/18 07:16 • (LCSD) R3292167-3 03/09/18 07:31

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 %
Nitrate	8000	8200	8200	102	103	80.0-120			0.0866	15
Sulfate	40000	39400	39200	98.5	98.1	80.0-120			0.464	15

L976079-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L976079-17 03/09/18 12:48 • (MS) R3292167-5 03/09/18 13:18 • (MSD) R3292167-6 03/09/18 13:34

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	510	5550	5790	101	106	1	80.0-120			4.21	15
Sulfate	50000	ND	50200	50800	100	101	1	80.0-120			1.17	15

L976092-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L976092-10 03/09/18 18:42 • (MS) R3292167-8 03/09/18 19:13

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	872	5930	101	1	80.0-120	
Sulfate	50000	47100	95000	95.7	1	80.0-120	

Method Blank (MB)

(MB) R3292460-1 03/12/18 08:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L975931-05 Original Sample (OS) • Duplicate (DUP)

(OS) L975931-05 03/12/18 11:20 • (DUP) R3292460-2 03/12/18 11:42

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

L976079-04 Original Sample (OS) • Duplicate (DUP)

(OS) L976079-04 03/12/18 11:49 • (DUP) R3292460-3 03/12/18 12:40

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

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

(LCS) R3292460-4 03/12/18 12:42 • (LCSD) R3292460-5 03/12/18 12:46

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	70.4	74.6	104	110	85.0-115			5.89	20

Method Blank (MB)

(MB) R3292710-1 03/13/18 10:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L976448-06 Original Sample (OS) • Duplicate (DUP)

(OS) L976448-06 03/13/18 11:09 • (DUP) R3292710-2 03/13/18 11:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	13.6	11.7	1	15.5		20

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

(LCS) R3292710-3 03/13/18 11:23 • (LCSD) R3292710-4 03/13/18 11:28

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	77.5	76.1	114	112	85.0-115			1.84	20

Method Blank (MB)

(MB) R3293235-2 03/09/18 14:32

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	*108*			*80.0-120*
(S) Dibromofluoromethane	*93.3*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3293235-1 03/09/18 13:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.0	95.8	70.0-130	
1,2-Dichloroethane	25.0	28.6	115	70.0-130	
Ethylbenzene	25.0	28.9	116	70.0-130	
Methyl tert-butyl ether	25.0	24.6	98.4	70.0-130	
Naphthalene	25.0	30.4	122	70.0-130	
Toluene	25.0	27.5	110	70.0-130	
Xylenes, Total	75.0	85.9	115	70.0-130	
(S) Toluene-d8			*106*	*80.0-120*	
(S) Dibromofluoromethane			*94.6*	*76.0-123*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

Method Blank (MB)

(MB) R3292885-2 03/10/18 01:03

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	*105*			*80.0-120*
(S) Dibromofluoromethane	*95.3*			*76.0-123*
(S) 4-Bromofluorobenzene	*97.8*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3292885-1 03/10/18 00:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	22.2	88.6	70.0-130	
1,2-Dichloroethane	25.0	25.4	102	70.0-130	
Ethylbenzene	25.0	25.7	103	70.0-130	
Methyl tert-butyl ether	25.0	22.5	90.1	70.0-130	
Naphthalene	25.0	23.8	95.1	70.0-130	
Toluene	25.0	24.9	99.8	70.0-130	
Xylenes, Total	75.0	74.3	99.1	70.0-130	
(S) Toluene-d8			*106*	*80.0-120*	
(S) Dibromofluoromethane			*97.6*	*76.0-123*	
(S) 4-Bromofluorobenzene			*98.8*	*80.0-120*	

Method Blank (MB)

(MB) R3293387-3 03/14/18 16:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00

Method Blank (MB)

(MB) R3293387-3 03/14/18 16:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Trichloroethene	U		0.398	1.00
1,2,3-Trimethylbenzene	U		0.321	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*82.6*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

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

(LCS) R3293387-1 03/14/18 15:41 • (LCSD) R3293387-2 03/14/18 16:01

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 %
Acetone	125	102	100	81.7	80.1	70.0-130			2.05	23.9
Benzene	25.0	23.7	23.7	94.8	94.9	70.0-130			0.201	20
Bromodichloromethane	25.0	25.6	25.4	102	102	70.0-130			0.497	20
Bromoform	25.0	29.2	28.6	117	115	70.0-130			1.84	20
Bromomethane	25.0	25.1	25.7	101	103	70.0-130			2.21	20
Carbon disulfide	25.0	24.0	24.0	95.8	95.9	70.0-130			0.0454	20
Carbon tetrachloride	25.0	24.5	24.8	98.1	99.4	70.0-130			1.30	20
Chlorobenzene	25.0	28.2	28.0	113	112	70.0-130			0.518	20
Chlorodibromomethane	25.0	27.9	27.8	112	111	70.0-130			0.372	20
Chloroethane	25.0	24.0	24.5	96.0	97.9	70.0-130			1.99	20
Chloroform	25.0	23.6	23.7	94.2	94.9	70.0-130			0.742	20
Chloromethane	25.0	23.6	24.0	94.2	95.8	70.0-130			1.67	20
1,2-Dibromo-3-Chloropropane	25.0	26.3	25.3	105	101	70.0-130			4.21	20
1,2-Dibromoethane	25.0	27.8	28.0	111	112	70.0-130			0.790	20
1,2-Dichlorobenzene	25.0	29.0	29.0	116	116	70.0-130			0.216	20
1,3-Dichlorobenzene	25.0	28.1	28.8	112	115	70.0-130			2.73	20
1,4-Dichlorobenzene	25.0	27.1	27.4	108	110	70.0-130			1.07	20
1,1-Dichloroethane	25.0	23.8	24.0	95.4	96.0	70.0-130			0.605	20
1,2-Dichloroethane	25.0	23.0	23.7	92.0	94.7	70.0-130			2.95	20
1,1-Dichloroethene	25.0	24.2	24.1	96.8	96.3	70.0-130			0.526	20
cis-1,2-Dichloroethene	25.0	23.0	23.4	92.0	93.5	70.0-130			1.63	20
trans-1,2-Dichloroethene	25.0	24.2	24.3	96.7	97.2	70.0-130			0.478	20
1,2-Dichloropropane	25.0	27.8	26.6	111	106	70.0-130			4.46	20
cis-1,3-Dichloropropene	25.0	27.8	26.9	111	108	70.0-130			3.11	20
trans-1,3-Dichloropropene	25.0	24.2	24.0	96.8	95.9	70.0-130			0.887	20

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

(LCS) R3293387-1 03/14/18 15:41 • (LCSD) R3293387-2 03/14/18 16:01

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 %
Di-isopropyl ether	25.0	22.6	22.8	90.2	91.1	70.0-130			0.993	20
Ethylbenzene	25.0	28.6	28.7	114	115	70.0-130			0.461	20
2-Hexanone	125	129	127	103	102	70.0-130			1.65	20
2-Butanone (MEK)	125	113	113	90.6	90.1	70.0-130			0.525	20
Methylene Chloride	25.0	21.6	22.1	86.4	88.3	70.0-130			2.18	20
4-Methyl-2-pentanone (MIBK)	125	130	132	104	106	70.0-130			1.19	20
Methyl tert-butyl ether	25.0	23.5	23.6	93.9	94.3	70.0-130			0.424	20
Naphthalene	25.0	27.8	27.8	111	111	70.0-130			0.0974	20
Styrene	25.0	29.5	29.7	118	119	70.0-130			0.507	20
1,1,2,2-Tetrachloroethane	25.0	24.3	24.3	97.1	97.2	70.0-130			0.0543	20
Tetrachloroethene	25.0	28.9	28.3	115	113	70.0-130			1.95	20
Toluene	25.0	28.2	27.8	113	111	70.0-130			1.57	20
1,1,2-Trichlorotrifluoroethane	25.0	21.0	21.2	84.1	84.7	70.0-130			0.684	20
1,1,1-Trichloroethane	25.0	23.9	24.2	95.8	96.8	70.0-130			1.04	20
1,1,2-Trichloroethane	25.0	27.4	26.9	109	108	70.0-130			1.60	20
Trichloroethene	25.0	29.0	29.4	116	118	70.0-130			1.33	20
1,2,3-Trimethylbenzene	25.0	26.7	27.0	107	108	70.0-130			1.19	20
Vinyl chloride	25.0	24.6	24.5	98.3	98.2	70.0-130			0.0744	20
Xylenes, Total	75.0	85.9	85.4	115	114	70.0-130			0.584	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*84.5*	*85.2*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*101*	*99.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.1*	*95.7*	*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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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.
J3	The associated batch QC was outside the established quality control range for precision.
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.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

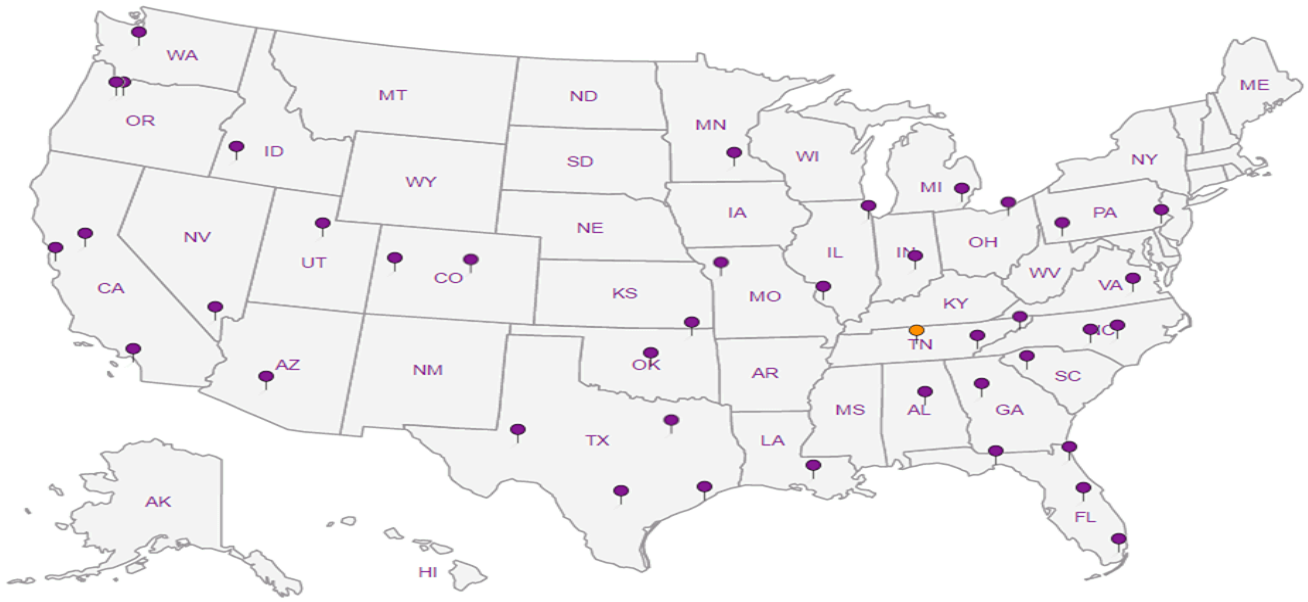
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

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 # 699858, LD.MR.GW LEWIS DRIVE

Lab Project # KINCH2MGA-LEWIS12

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)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

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	NAPHTHALENE	BTEX	1,2-DCA	Remarks	Sample # (lab only)
MW-07-030818	GRAB	GW	NA	03/08/18	0730	3				Y	Y	Y	Y		01
MW-03-030818		GW			0745	3	Y	Y	Y	Y	Y	Y	Y		02
MW-15B-030818		GW			0830	3				Y	Y	Y	Y		03
MW-15-030818		GW			0835	3	Y	Y	Y	Y	Y	Y	Y		04
MW-38-030818		GW			0850	3				Y	Y	Y	Y		05
MW-37-030818		GW			0855	3				Y	Y	Y	Y		06
MW-43B-030818		GW			0910	3				Y	Y	Y	Y		07
MW-43-030818		GW			0915	3				Y	Y	Y	Y		08
MW-24-030818		GW			0925	3				Y	Y	Y	Y		09
MW-24B-030818		GW			0930	3				Y	Y	Y	Y		10

* 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 2801

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

Temp: 3.5 °C Bottles Received: 23

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03/08/18	1630	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kate Mallard 863

Date: 3/9/18 Time: 0845

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 1 of 4

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# 976079

H198

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P640853
TSR: 526 - Chris McCord
PB: 2-27-18
Shipped Via: FedEX Ground

Chain of Custody Page 2 of 4

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

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 # 699858.CD.MP.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

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

Quote #

Date Results Needed

Immediately Packed on Ice N Y

L# 976079

Table #

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P640853

TSR: 526 - Chris McCord

PB: 2-27-18

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	NAPTHALENE	BTEX	1,2 - DCA	V8260BTEX NSC-TB - 40mlAmb-HCl-BLK	Remarks	Sample # (lab only)
FB01-030818	GRAB	GW	NA	03/08/18	0935	3					Y	Y	Y	Y			11
TB01-030818		GW			0937	1									Y		12
MW-34-030818		GW			0955	3					Y	Y	Y	Y			13
MW-39-030818		GW			1000	3					Y	Y	Y	Y			14
MW-40-030818		GW			1015	7 3a	Y	Y	Y	Y	Y	Y	Y	Y			15
MW-41-030818		GW			1020	3					Y	Y	Y	Y			16
MW-42-030818		GW			1030	7 3	Y	Y	Y	Y	Y	Y	Y	Y			17
MW-25-030818		GW			1040	7 3	Y	Y	Y	Y	Y	Y	Y	Y			18
MW-25B-030818		GW			1045	3					Y	Y	Y	Y			19
MW-35-030818		GW			1055	7 3	Y	Y	Y	Y	Y	Y	Y	Y			2

* 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 ____

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

Samples returned via: ___ UPS X FedEx ___ Courier ____

Tracking # 4142 5221 2801

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	03/08/18	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.5 °C Bottles Received: 123	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/9/18 Time: 0845	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 # 699858.1D.MR.GW

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): MELISSA WARREN

Site/Facility ID # LEWIS DRIVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	NAPHTHALENE	BTEX	1,2 - DCA
MW-49-030818	GRAB	GW	NA	03/08/18	1205	3				X	X	X	X
MW-28-030818		GW			1210	3	X	X	X	X	X	X	X
MW-12B-030818		GW			1225	3				X	X	X	X
MW-12-030818		GW			1230	7	X	X	X	X	X	X	X
MW-27-030818		GW			1300	3				X	X	X	X
MW-27B-030818		GW			1305	3				X	X	X	X
MW-01-030818		GW			1320	7	X	X	X	X	X	X	X
MW-01B-030818		GW			1330	3				X	X	X	X
MW-27BD-030818		GW			1307	3				X	X	X	X
MW-44-030818		GW			1335	3				X	X	X	X

* 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 2801

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

Temp: 3.5 °C

Bottles Received: 123

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

Sample Receipt Checklist
COC Seal Present/Intact: __NP (Y) N
COC Signed/Accurate: X N
Bottles arrive intact: X 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)
	03/08/18	1630	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kate Hoffman 803

Date: 3/9/11 Time: 0845

Chain of Custody Page 3 of 4

ESC LABORATORIES
a subsidiary of

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

L# 97607

Table #

Acctnum: KINCH2MGA

Template: T130277

Prelogin: P640853

TSR: 526 - Chris McCord

PB: 2-27-18

Shipped Via: FedEX Ground

Remarks	Sample # (lab only)
	21
	22
	23
	24
	25
	26
	27
	28
	29
	30

Client	Billing Information	Pres Chk
CH2M Hill- Kinder Morgan- Atlanta, GA 6600 Peachtree Dunwoody Road	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 # 699856.LD.MR.GW	Lab Project # KINCH2MGA-LEWIS12
Collected by (print): MELISSA WARA	Site/Facility ID # LEWIS DRIVE	P.O. #
Collected by (signature): [signature] Immediately Packed on Ice N X Y	Rush? (Lab MUST Be Notified) Same Day / Five Day / Next Day / 5 Day (Rad Only) / Two Day / 10 Day (Rad Only) / Three Day	Quote # Date Results Needed

Chain of Custody Page 4 of 4

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

L# 976079
Table #
Acctnum: KINCH2MGA
Template: T130277
Prelogin: P640853
TSR: 526 - Chris McCord
PB: 2-27-18
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	NAPHTHALENE	BTEX	1,2-DCA			Remarks	Sample # (lab only)
Pres Chk										X	X	X	X				
MW-44D-030818	GRAB	GW	NA	03/08/18	1340	3				X	X	X	X				31
MW-44B-030818	GRAB	GW	NA	03/08/18	1345	3				X	X	X	X				32
		GW															
		GW															
		GW															
		GW															
		GW															
		GW															
		GW															
		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 # 4142 5221 2861

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]	03/08/18	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.5 °C Bottles Received: 123	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 3/9/18 Time: 0845	Hold: Condition: NCF / (OK)